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Ace Computers

# Responsible Minerals Sourcing Report

Revision No. : 2

Original Date : 06/22/2020

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Approved by : \_\_\_\_\_

John Samborski, PE  
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## Revision History

| Revision Date | Description                | Sections Affected | Revised By | Approved By |
|---------------|----------------------------|-------------------|------------|-------------|
| 7/14/20       | Added additional responses | EMS/CI            | DD         | JS          |
|               |                            |                   |            |             |

This report is available online at [https://acecomputers.com/documents/Ace\\_Computers\\_Responsible\\_Minerals\\_Sourcing\\_Report-0720.pdf](https://acecomputers.com/documents/Ace_Computers_Responsible_Minerals_Sourcing_Report-0720.pdf)

## **Ace Computers Responsible Minerals Sourcing Report**

Ace Computers is concerned that proceeds from the mining, trade and sale of conflict minerals (tin, tantalum, tungsten and gold) are being used to directly or indirectly finance armed conflict and violence in the Democratic Republic of Congo and several adjoining countries (the “DRC Region”). In an effort to curb the violence, a portion of the 2010 Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”) required the Securities and Exchange Commission (“SEC”) to issue rules relating to the use of conflict minerals (Gold, Tantalum, Tin and Tungsten) or “3TG” within manufactured products. In August 2012, the SEC issued a final rule implementing the “conflict minerals” disclosure requirements of the Dodd-Frank Act (the “SEC Conflict Minerals Reporting Rule”). If an SEC registrant manufactures (or contracts to manufacture) commercial products containing “3TG” that are necessary to the products’ functionality or production, the Rule requires that company to determine the origin and status of those minerals.

As Ace Computers is not an SEC registrant, we are not subject to the effects of the Dodd-Frank act but we have voluntarily adopted these rules because it is the responsible thing to do and we want nothing to do with firms who are assisting the armed oppressors in the DRC and the affected areas.

Ace Computers supports, respects and upholds the internationally-recognized human rights of all people, including all internal team members and those in our supply chain. Ensuring the responsible sourcing of minerals is also part of this global approach.

Ace Computers manufactures and contracts to manufacture products for which 3TG minerals are necessary to their functionality or production. As a manufacturer of technology products, Ace Computers does not purchase 3TG directly from mines, smelters, or refiners, but does purchase components and materials that may contain 3TG. Therefore, we collaborate with suppliers, industry peers, and other stakeholders to meet our program goals and customer expectations.

As stated in our Responsible Minerals Sourcing Policy, Ace Computers is committed to the responsible sourcing of materials used in our products. With this commitment, in 2019 we initiated the scope of our Conflict Minerals Program and established our Responsible Minerals Program.

In order to determine the RCOI, we had to put together metrics on how this investigation should proceed. To make this determination, downstream companies like ACE must obtain and review sourcing information on the entities reported to provide conflict minerals necessary to functionality or production contained in our products in the form of the 3TG products.

In order to determine these products, we established the following mandatory criteria:

- 1) Ask Direct suppliers (who in turn will ask their suppliers) to provide us with relevant information and report to us the entities who were providing conflict minerals to them or their suppliers;
- 2) Surveying the results of direct and indirect suppliers which will allow us to identify actual suppliers of materials, parts, components or products containing conflict minerals;
- 3) Requiring that 3TG Direct Suppliers use the Responsible Minerals Initiative (“RMI”) Conflict Minerals Reporting Template (the “Template”) to obtain and provide to us information from their supply chains regarding relevant entities and the origin of necessary conflict minerals sourced by these entities;
- 4) Conducting follow-up investigations with 3TG Direct Suppliers with analysis of their submissions compared to these criteria, specifying deficiencies to be corrected in their responses, if necessary, to clarify, update or complete information reported to us so that it meets our expectations;

- 5) Providing useful training and education to support 3TG Direct Suppliers in completing the Template;
- 6) Obtaining acceptable responses from 3TG Direct Suppliers, to represent an estimated 95% of our 2018 spend with such suppliers;
- 7) Reviewing any information on countries of origin or recycled and scrap sourcing available publicly available information from the Responsible Minerals Initiative (RMI) for reported entities; and the following two optional criteria:
- 8) Potentially joining the RMI ourselves to obtain additional information;
- 9) Potentially engaging with an outside consultant who is an expert in the field to review other publicly available information and to contact reported entities to assist us in determining whether or not reported entities may have sourced from the Covered Countries or may source only conflict minerals from recycled or scrap sources.

As part of our Responsible Minerals Program activities, we continue to develop our due diligence program for cobalt, and have set have expectations for suppliers to take steps for responsible sourcing for the mineral mica.

It is our goal not to purchase product materials containing minerals whose mining and sale directly or indirectly finance armed conflict or contribute to human rights abuses. We remain committed to supporting responsible sourcing from those regions in which specific mining operations may present risk. If we vote with dollars and avoid purchasing products that are not sourced responsibly, the vendors will get the hint and avoid conflict products themselves.

To help us reach our goal, we are monitoring the Responsible Minerals Initiative (RMI) 2. RMI's programs, tools, and guidance documents help companies address responsible sourcing risks for minerals. Many of our raw material suppliers are members of this organization, but not all. Our full supplier list is listed below and they were all sent a request for RCOI for their smelters and refiners which included the following 4 additional questions:

- Have you established a conflict minerals sourcing policy?

Have you implemented due diligence measures in accordance with the OECD guidance?

- Do you review due diligence information received from your suppliers against your company's expectations?

Does your review process include mitigation actions and corrective action management?

When suppliers are able to meet or exceed the above criteria (ie answering "yes" to all four questions), they are deemed to have a strong program. When suppliers do not meet this criteria, they are deemed to have a "weak" program. Any suppliers that are deemed to have a "weak" program will be/were notified and provided guidance on how they can improve their conflict materials policy and procedures.

The list of suppliers this was sent to is listed below:

- |   |                                  |
|---|----------------------------------|
| AMD (Advanced Micro Devices)            | LG                               |
| ASUSTek Computer (also known as ASUS)   | Logitech                         |
| Cherry Inc                              | Microsoft                        |
| Cooler Master                           | nVidia Corporation               |
| EVGA                                    | Opentext – Software Company Only |
| Gigabyte Technology                     | PNY                              |
| HGST,(Now a Western Digital Subsidiary) | Samsung                          |
| Hynix                                   | Seagate Technology               |
| Intel                                   | Super Micro Computer             |
| In-Win                                  | Thermaltake – No smelter list    |
| Ingram Micro – Distributor Only         | Toshiba                          |
| Kingston Tech                           | Western Digital                  |

As of the date of the writing of this report, we have received data from all of these vendors, who are highlighted above. The responses for all these suppliers is as follows:

AMD responded with their SEC report filed accompanied by the following long list of smelters which are compliant that supply products to AMD and did not list any that were not compliant with the criteria. They also responded “YES” to the four criteria listed above.

The list can be found in table 1 below:

**Table 1: RMI and/or LBMA Responsible Gold Program Compliant Smelters and Refiners**

| Conflict Mineral(1) | Smelter or Refiner Name(1)         | Smelter or Refiner Location(1) |
|---------------------|------------------------------------|--------------------------------|
| Gold                | Advanced Chemical Company          | UNITED STATES OF AMERICA       |
| Gold                | Aida Chemical Industries Co., Ltd. | JAPAN                          |
| Gold                | Al Etihad Gold LLC                 | UNITED ARAB EMIRATES           |

|      |   |                          |
|------|---|--------------------------|
| Gold | Allgemeine Gold-und Silberscheideanstalt A.G.                 | GERMANY                  |
| Gold | Almalyk Mining and Metallurgical Complex (AMMC)               | UZBEKISTAN               |
| Gold | AngloGold Ashanti Córrego do Sítio Mineração                  | BRAZIL                   |
| Gold | Argor-Heraeus S.A.  | SWITZERLAND              |
| Gold | Asahi Pretec Corp.  | JAPAN                    |
| Gold | Asahi Refining Canada Ltd.                                    | CANADA                   |
| Gold | Asahi Refining USA Inc.                                       | UNITED STATES OF AMERICA |
| Gold | Asaka Riken Co., Ltd.   | JAPAN                    |
| Gold | AU Traders and Refiners                                       | SOUTH AFRICA             |
| Gold | Aurubis AG  | GERMANY                  |
| Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES              |
| Gold | Boliden AB  | SWEDEN                   |
| Gold | C. Hafner GmbH + Co. KG                                       | GERMANY                  |

|      |   |                             |
|------|---|-----------------------------|
| Gold | CCR Refinery - Glencore Canada Corporation    | CANADA                      |
| Gold | Cendres + Métaux S.A.                         | SWITZERLAND                 |
| Gold | Chimet S.p.A.                                 | ITALY                       |
| Gold | Daejin Indus Co., Ltd.                        | KOREA,<br>REPUBLIC OF       |
| Gold | DODUCO Contacts and Refining GmbH             | GERMANY                     |
| Gold | Dowa  | JAPAN                       |
| Gold | DSC (Do Sung Corporation)                     | KOREA,<br>REPUBLIC OF       |
| Gold | Eco-System Recycling Co., Ltd.                | JAPAN                       |
| Gold | Emirates Gold DMCC                            | UNITED ARAB<br>EMIRATES     |
| Gold | Geib Refining Corporation                     | UNITED STATES<br>OF AMERICA |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd. | CHINA                       |
| Gold | HeeSung                                       | KOREA,<br>REPUBLIC OF       |
| Gold | Heimerle + Meule GmbH                         | GERMANY                     |
| Gold | Heraeus Metals Hong Kong Ltd.                 | CHINA                       |

|      |   |                             |
|------|---|-----------------------------|
| Gold | Heraeus Precious Metals GmbH & Co. KG                           | GERMANY                     |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                       |
| Gold | Ishifuku Metal Industry Co., Ltd.                               | JAPAN                       |
| Gold | Istanbul Gold Refinery  | TURKEY                      |
| Gold | Italpreziosi  | ITALY                       |
| Gold | Japan Mint  | JAPAN                       |
| Gold | Jiangxi Copper Co., Ltd.  | CHINA                       |
| Gold | JSC Uralelectromed  | RUSSIAN<br>FEDERATION       |
| Gold | JX Nippon Mining & Metals Co., Ltd.                             | JAPAN                       |
| Gold | Kazzinc   | KAZAKHSTAN                  |
| Gold | Kennecott Utah Copper LLC                                       | UNITED STATES<br>OF AMERICA |
| Gold | Kojima Chemicals Co., Ltd.                                      | JAPAN                       |
| Gold | Korea Zinc Co., Ltd.  | KOREA,<br>REPUBLIC OF       |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN                  |
| Gold | LS-NIKKO Copper Inc.  | KOREA,<br>REPUBLIC OF       |
| Gold | Marsam Metals   | BRAZIL                      |

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|------|---|--------------------------|
| Gold | Materion                                    | UNITED STATES OF AMERICA |
| Gold | Matsuda Sangyo Co., Ltd.                    | JAPAN                    |
| Gold | Metalor Technologies (Hong Kong) Ltd.       | CHINA                    |
| Gold | Metalor Technologies (Singapore) Pte., Ltd. | SINGAPORE                |
| Gold | Metalor Technologies (Suzhou) Ltd.          | CHINA                    |
| Gold | Metalor Technologies S.A.                   | SWITZERLAND              |
| Gold | Metalor USA Refining Corporation            | UNITED STATES OF AMERICA |
| Gold | Metalúrgica Met-Mex Peñoles S.A. De C.V.    | MEXICO                   |
| Gold | Mitsubishi Materials Corporation            | JAPAN                    |
| Gold | Mitsui Mining and Smelting Co., Ltd.        | JAPAN                    |
| Gold | MMTC-PAMP India Pvt., Ltd.                  | INDIA                    |



|      |   |                    |
|------|---|--------------------|
| Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.Ş.                                      | TURKEY             |
| Gold | Nihon Material Co., Ltd.  | JAPAN              |
| Gold | Ögussa Österreichische Gold- und Silber-Scheideanstalt GmbH                 | AUSTRIA            |
| Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN              |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION |
| Gold | OJSC Novosibirsk Refinery   | RUSSIAN FEDERATION |
| Gold | PAMP S.A.   | SWITZERLAND        |
| Gold | Planta Recuperadora de Metales SpA  | CHILE              |
| Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION |
| Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA          |

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|------|--|--------------------|
| Gold | PX Précinox S.A.                                     | SWITZERLAND        |
| Gold | Rand Refinery (Pty) Ltd.                             | SOUTH AFRICA       |
| Gold | Remondis Argentia B.V.                               | NETHERLANDS        |
| Gold | Royal Canadian Mint                                  | CANADA             |
| Gold | SAAMP  | FRANCE             |
| Gold | Safimet S.p.A  | Italy              |
| Gold | SAXONIA Edelmetalle GmbH                             | GERMANY            |
| Gold | SEMPSA Joyería Platería S.A.                         | SPAIN              |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.    | CHINA              |
| Gold | Sichuan Tianze Precious Metals Co., Ltd.             | CHINA              |
| Gold | Singway Technology Co., Ltd.                         | TAIWAN             |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals | RUSSIAN FEDERATION |
| Gold | Solar Applied Materials Technology Corp.             | TAIWAN             |
| Gold | Sumitomo Metal Mining Co., Ltd.                      | JAPAN              |

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|------|---|-----------------------------|
| Gold | SungEel HiTech                                      | KOREA,<br>REPUBLIC OF       |
| Gold | T.C.A S.p.A   | ITALY                       |
| Gold | Tanaka Kikinzoku Kogyo K.K.                         | JAPAN                       |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.      | CHINA                       |
| Gold | Tokuriki Honten Co., Ltd.                           | JAPAN                       |
| Gold | Torecom   | KOREA,<br>REPUBLIC OF       |
| Gold | Umicore Brasil Ltda.                                | BRAZIL                      |
| Gold | Umicore Precious Metals Thailand                    | THAILAND                    |
| Gold | Umicore S.A. Business Unit Precious Metals Refining | BELGIUM                     |
| Gold | United Precious Metal Refining, Inc.                | UNITED STATES<br>OF AMERICA |
| Gold | Valcambi S.A.                                       | SWITZERLAND                 |
| Gold | Western Australian Mint trading as The Perth Mint   | AUSTRALIA                   |
| Gold | WIELAND Edelmetalle GmbH                            | GERMANY                     |

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|----------|---|--------------------------|
| Gold     | Yamamoto Precious Metal Co., Ltd.                   | JAPAN                    |
| Gold     | Yokohama Metal Co., Ltd.                            | JAPAN                    |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | CHINA                    |
| Tantalum | Asaka Riken Co., Ltd.                               | JAPAN                    |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.           | CHINA                    |
| Tantalum | D Block Metals, LLC                                 | UNITED STATES OF AMERICA |
| Tantalum | Exotech Inc.  | UNITED STATES OF AMERICA |
| Tantalum | F&X Electro-Materials Ltd.                          | CHINA                    |
| Tantalum | FIR Metals & Resource Ltd.                          | CHINA                    |
| Tantalum | Global Advanced Metals Aizu                         | JAPAN                    |
| Tantalum | Global Advanced Metals Boyertown                    | UNITED STATES OF AMERICA |
| Tantalum | Guangdong Rising Rare Metals-EO Materials Ltd.      | CHINA                    |

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| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.          | CHINA                    |
| Tantalum | H.C. Starck Co., Ltd.                             | THAILAND                 |
| Tantalum | H.C. Starck Hermsdorf GmbH                        | GERMANY                  |
| Tantalum | H.C. Starck Inc.                                  | UNITED STATES OF AMERICA |
| Tantalum | H.C. Starck Ltd.                                  | JAPAN                    |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                | GERMANY                  |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH             | GERMANY                  |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA                    |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.      | CHINA                    |
| Tantalum | Jiangxi Tuohong New Raw Material                  | CHINA                    |
| Tantalum | Jiujiang Janny New Material Co., Ltd.             | CHINA                    |

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|----------|---|--------------------------|
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.   | CHINA                    |
| Tantalum | Jiujiang Tanbre Co., Ltd.                     | CHINA                    |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd. | CHINA                    |
| Tantalum | KEMET Blue Metals                             | MEXICO                   |
| Tantalum | KEMET Blue Powder                             | UNITED STATES OF AMERICA |
| Tantalum | LSM Brasil S.A.                               | BRAZIL                   |
| Tantalum | Metallurgical Products India Pvt., Ltd.       | INDIA                    |
| Tantalum | Mineracao Taboca S.A.                         | BRAZIL                   |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.          | JAPAN                    |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.    | CHINA                    |
| Tantalum | NPM Silmet AS                                 | ESTONIA                  |
| Tantalum | Power Resources Ltd.                          | MACEDONIA                |
| Tantalum | QuantumClean                                  | UNITED STATES OF AMERICA |

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|----------|--|-----------------------------|
| Tantalum | Resind Industria e Comercio Ltda.                    | BRAZIL                      |
| Tantalum | RFH Tantalum Smeltry Co., Ltd.                       | CHINA                       |
| Tantalum | Solikamsk Magnesium Works OAO                        | RUSSIAN<br>FEDERATION       |
| Tantalum | Taki Chemicals                                       | JAPAN                       |
| Tantalum | Telex Metals   | UNITED STATES<br>OF AMERICA |
| Tantalum | Ulba Metallurgical Plant JSC                         | KAZAKHSTAN                  |
| Tantalum | XinXing HaoRong Electronic<br>Material Co., Ltd.     | CHINA                       |
| Tin      | Alpha  | UNITED STATES<br>OF AMERICA |
| Tin      | Chenzhou Yunxiang Mining and<br>Metallurgy Co., Ltd. | CHINA                       |
| Tin      | Chifeng Dajingzi Tin Industry Co.,<br>Ltd.           | CHINA                       |
| Tin      | China Tin Group Co., Ltd.                            | CHINA                       |
| Tin      | CV Dua Sekawan                                       | INDONESIA                   |
| Tin      | CV Gita Pesona                                       | INDONESIA                   |
| Tin      | CV Tiga Sekawan                                      | INDONESIA                   |
| Tin      | CV United Smelting                                   | INDONESIA                   |

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|-----|---|-----------|
| Tin | CV Venus Inti Perkasa                             | INDONESIA |
| Tin | Dowa  | JAPAN     |
| Tin | EM Vinto  | BOLIVIA   |
| Tin | Fenix Metals                                      | POLAND    |
| Tin | Gejiu Fengming Metallurgy Chemical Plant          | CHINA     |
| Tin | Gejiu Kai Meng Industry and Trade LLC             | CHINA     |
| Tin | Gejiu Non-Ferrous Metal Processing Co., Ltd.      | CHINA     |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.    | CHINA     |
| Tin | Guangdong Hanhe Non-ferrous Metal Limited Company | CHINA     |
| Tin | Guanyang Guida Nonferrous Metal Smelting Plant    | CHINA     |
| Tin | HuiChang Hill Tin Industry Co., Ltd.              | CHINA     |
| Tin | Huichang Jinshunda Tin Co., Ltd.                  | CHINA     |
| Tin | Jiangxi New Nanshan Technology Ltd.               | CHINA     |



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| Tin | Magnu's Minerai's Metais e Ligas Ltda.  | BRAZIL                   |
| Tin | Malaysia Smelting Corporation (MSC)     | MALAYSIA                 |
| Tin | Melt Metais e Ligas S.A.                | BRAZIL                   |
| Tin | Metallic Resources, Inc.                | UNITED STATES OF AMERICA |
| Tin | Metallo Belgium N.V.                    | BELGIUM                  |
| Tin | Metallo Spain S.L.U.                    | SPAIN                    |
| Tin | Mineracao Taboca S.A.                   | BRAZIL                   |
| Tin | Minsur                                  | PERU                     |
| Tin | Mitsubishi Materials Corporation        | JAPAN                    |
| Tin | Modeltech Sdn Bhd                       | MALAYSIA                 |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd. | THAILAND                 |
| Tin | O.M. Manufacturing Philippines, Inc.    | PHILIPPINES              |
| Tin | Operaciones Metalurgical S.A.           | BOLIVIA                  |
| Tin | PT Aries Kencana Sejahtera              | INDONESIA                |
| Tin | PT Artha Cipta Langgeng                 | INDONESIA                |

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| Tin | PT ATD Makmur Mandiri Jaya     | INDONESIA |
| Tin | PT Babel Inti Perkasa          | INDONESIA |
| Tin | PT Bangka Prima Tin            | INDONESIA |
| Tin | PT Bangka Serumpun             | INDONESIA |
| Tin | PT Bangka Tin Industry         | INDONESIA |
| Tin | PT Belitung Industri Sejahtera | INDONESIA |
| Tin | PT Bukit Timah                 | INDONESIA |
| Tin | PT DS Jaya Abadi               | INDONESIA |
| Tin | PT Inti Stania Prima           | INDONESIA |
| Tin | PT Kijang Jaya Mandiri         | INDONESIA |
| Tin | PT Menara Cipta Mulia          | INDONESIA |
| Tin | PT Mitra Stania Prima          | INDONESIA |
| Tin | PT Panca Mega Persada          | INDONESIA |
| Tin | PT Premium Tin Indonesia       | INDONESIA |
| Tin | PT Prima Timah Utama           | INDONESIA |
| Tin | PT Refined Bangka Tin          | INDONESIA |

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|-----|---|-----------|
| Tin | PT Sariwiguna Binasentosa                     | INDONESIA |
| Tin | PT Stanindo Inti Perkasa                      | INDONESIA |
| Tin | PT Sukses Inti Makmur                         | INDONESIA |
| Tin | PT Sumber Jaya Indah                          | INDONESIA |
| Tin | PT Timah (Persero) Tbk Kunder                 | INDONESIA |
| Tin | PT Timah (Persero) Tbk Mentok                 | INDONESIA |
| Tin | PT Tinindo Inter Nusa                         | INDONESIA |
| Tin | PT Tommy Utama                                | INDONESIA |
| Tin | Resind Industria e Comercio Ltda.             | BRAZIL    |
| Tin | Rui Da Hung                                   | TAIWAN    |
| Tin | Soft Metais Ltda.                             | BRAZIL    |
| Tin | Thaisarco                                     | THAILAND  |
| Tin | White Solder Metalurgia e Mineração Ltda.     | BRAZIL    |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co., Ltd. | CHINA     |

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|----------|--|--------------------------|
| Tin      | Yunnan Tin Company Limited                   | CHINA                    |
| Tungsten | A.L.M.T. TUNGSTEN Corp.                      | JAPAN                    |
| Tungsten | ACL Metais Eireli                            | BRAZIL                   |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd. | CHINA                    |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.         | CHINA                    |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.             | CHINA                    |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.  | CHINA                    |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.      | CHINA                    |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.           | CHINA                    |
| Tungsten | Global Tungsten & Powders Corp.              | UNITED STATES OF AMERICA |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.         | CHINA                    |
| Tungsten | H.C. Starck Smelting GmbH & Co.KG            | GERMANY                  |

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|----------|---|-----------------------|
| Tungsten | H.C. Starck Tungsten GmbH                                     | GERMANY               |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                               | CHINA                 |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji               | CHINA                 |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                   | CHINA                 |
| Tungsten | Hydrometallurg, JSC   | RUSSIAN<br>FEDERATION |
| Tungsten | Japan New Metals Co., Ltd.                                    | JAPAN                 |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.               | CHINA                 |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                 |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                 |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.                  | CHINA                 |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | CHINA                 |

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|----------|--|--------------------------|
| Tungsten | Kennametal Fallon  | UNITED STATES OF AMERICA |
| Tungsten | Kennametal Huntsville  | UNITED STATES OF AMERICA |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                              | CHINA                    |
| Tungsten | Moliren Ltd  | RUSSIAN FEDERATION       |
| Tungsten | Niagara Refining LLC   | UNITED STATES OF AMERICA |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC    | VIET NAM                 |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                    | PHILIPPINES              |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City | CHINA                    |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                          | VIET NAM                 |
| Tungsten | Unecha Refractory metals plant                               | RUSSIAN FEDERATION       |
| Tungsten | Wolfram Bergbau und Hütten AG                                | AUSTRIA                  |

|          |   |                    |
|----------|---|--------------------|
| Tungsten | Woltech Korea Co., Ltd.                                     | KOREA, REPUBLIC OF |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                            | CHINA              |
| Tungsten | Xiamen Tungsten Co., Ltd.                                   | CHINA              |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd. | CHINA              |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                   | CHINA              |

Information is based on the CMRTs received from our Direct Suppliers. See “Due Diligence,” above, for more information.

Table 2 below lists the smelters or refiners identified by our Direct Suppliers that may have been used to process conflict minerals necessary to the functionality or production of our products during 2018 and that are not participating in an independent third party audit program (RMI’s RMAP or LBMA Responsible Gold).

**Table 2: Smelters and Refiners Identified in AMD’s Supply Chain in 2018 That Have Not Yet Been Audited and Represent Undeterminable Country of Origin**

| Conflict Mineral(1) | Smelter or Refiner Name(1)                   | Smelter or Refiner Location(1) |
|---------------------|--|--------------------------------|
| Gold                | Daye Non-Ferrous Metals Mining Ltd.          | CHINA                          |
| Gold                | Great Wall Precious Metals Co., Ltd. of CBPM | CHINA                          |
| Gold                | Navoi Mining and Metallurgical Combinat      | UZBEKISTAN                     |
| Gold                | Samduck Precious Metals                      | KOREA, REPUBLIC OF             |

(1) Information is based on the CMRTs received from our Direct Suppliers. See “Due Diligence,” above, for more information.

**This is the end of the AMD information.**

**Asus** : All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”). Asus is also tracking cobalt on a voluntary basis. A list of smelters follows:

ASUS is cooperating with Responsible Minerals initiative (RMI) founded by EICC&GeSI to investigate on mineral sources within supply chain. All smelters/refiners identified in this list are aggregated and used in ASUS supply chain.

For more detail and the most current status of each smelter visit the RMI website at:

<http://www.responsiblemineralsinitiative.org/>

## 2020 ASUS Supply Chain Smelter/Refiner List:

| Metal/金屬 | Name/名稱  | Country/國家               | Smelter Identification/<br>冶煉廠識別 |
|----------|--|--------------------------|----------------------------------|
| Gold     | Eco-System Recycling Co., Ltd. West Plant                            | JAPAN                    | CID003425                        |
| Gold     | Eco-System Recycling Co., Ltd. North Plant                           | JAPAN                    | CID003424                        |
| Gold     | QG Refining, LLC   | UNITED STATES OF AMERICA | CID003324                        |
| Gold     | DS PRETECH Co., Ltd.   | KOREA, REPUBLIC OF       | CID003195                        |
| Gold     | NH Recytech Company  | KOREA, REPUBLIC OF       | CID003189                        |
| Gold     | State Research Institute Center for Physical Sciences and Technology | LITHUANIA                | CID003153                        |
| Gold     | Safimet S.p.A  | ITALY                    | CID002973                        |
| Gold     | Planta Recuperadora de Metales SpA                                   | CHILE                    | CID002919                        |
| Gold     | SungEel HiMetal Co., Ltd.  | KOREA, REPUBLIC OF       | CID002918                        |
| Gold     | Pease & Curren   | UNITED STATES OF AMERICA | CID002872                        |
| Gold     | Degussa Sonne / Mond Goldhandel GmbH                                 | GERMANY                  | CID002867                        |
| Gold     | Kyshtym Copper-Electrolytic Plant ZAO                                | RUSSIAN FEDERATION       | CID002865                        |
| Gold     | Bangalore Refinery   | INDIA                    | CID002863                        |
| Gold     | Sai Refinery   | INDIA                    | CID002853                        |
| Gold     | GCC Gujrat Gold Centre Pvt. Ltd.                                     | INDIA                    | CID002852                        |
| Gold     | AU Traders and Refiners  | SOUTH AFRICA             | CID002850                        |



| Metal/金屬 | Name/名稱   | Country/國家                | Smelter Identification/<br>冶煉廠識別 |
|----------|---|---------------------------|----------------------------------|
| Gold     | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH | AUSTRIA                   | CID002779                        |
| Gold     | WIELAND Edelmetalle GmbH                                    | GERMANY                   | CID002778                        |
| Gold     | SAXONIA Edelmetalle GmbH                                    | GERMANY                   | CID002777                        |
| Gold     | Italpreziosi  | ITALY                     | CID002765                        |
| Gold     | 8853 S.p.A.   | ITALY                     | CID002763                        |
| Gold     | L'Orfebvre S.A.   | ANDORRA                   | CID002762                        |
| Gold     | SAAMP   | FRANCE                    | CID002761                        |
| Gold     | Abington Reldan Metals, LLC                                 | UNITED STATES OF AMERICA  | CID002708                        |
| Gold     | TOO Tau-Ken-Altyn   | KAZAKHSTAN                | CID002615                        |
| Gold     | Marsam Metals   | BRAZIL                    | CID002606                        |
| Gold     | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF        | CID002605                        |
| Gold     | REMONDIS PMR B.V.   | NETHERLANDS               | CID002582                        |
| Gold     | T.C.A S.p.A   | ITALY                     | CID002580                        |
| Gold     | Emirates Gold DMCC  | UNITED ARAB EMIRATES      | CID002561                        |
| Gold     | Al Etihad Gold Refinery DMCC                                | UNITED ARAB EMIRATES      | CID002560                        |
| Gold     | Singway Technology Co., Ltd.                                | TAIWAN, PROVINCE OF CHINA | CID002516                        |
| Gold     | KGHM Polska Miedz Spolka Akcyjna                            | POLAND                    | CID002511                        |
| Gold     | MMTC-PAMP India Pvt., Ltd.                                  | INDIA                     | CID002509                        |
| Gold     | Geib Refining Corporation                                   | UNITED STATES OF AMERICA  | CID002459                        |
| Gold     | Umicore Precious Metals Thailand                            | THAILAND                  | CID002314                        |
| Gold     | Guangdong Jinding Gold Limited                              | CHINA                     | CID002312                        |
| Gold     | SAFINA A.S.   | CZECHIA                   | CID002290                        |
| Gold     | Morris and Watson   | NEW ZEALAND               | CID002282                        |
| Gold     | Gold Refinery of Zijin Mining Group Co., Ltd.               | CHINA                     | CID002243                        |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation         | CHINA                     | CID002224                        |
| Gold     | Yokohama Metal Co., Ltd.                                    | JAPAN                     | CID002129                        |
| Gold     | Yamakin Co., Ltd.   | JAPAN                     | CID002100                        |
| Gold     | Western Australian Mint (T/a The Perth Mint)                | AUSTRALIA                 | CID002030                        |

| Metal/金屬 | Name/名稱   | Country/國家                | Smelter Identification/<br>冶煉廠識別 |
|----------|---|---------------------------|----------------------------------|
| Gold     | Valcambi S.A.   | SWITZERLAND               | CID002003                        |
| Gold     | United Precious Metal Refining, Inc.                    | UNITED STATES OF AMERICA  | CID001993                        |
| Gold     | Umicore S.A. Business Unit Precious Metals Refining     | BELGIUM                   | CID001980                        |
| Gold     | Umicore Brasil Ltda.                                    | BRAZIL                    | CID001977                        |
| Gold     | Torecom   | KOREA, REPUBLIC OF        | CID001955                        |
| Gold     | Tongling Nonferrous Metals Group Co., Ltd.              | CHINA                     | CID001947                        |
| Gold     | Tokuriki Honten Co., Ltd.                               | JAPAN                     | CID001938                        |
| Gold     | The Refinery of Shandong Gold Mining Co., Ltd.          | CHINA                     | CID001916                        |
| Gold     | Great Wall Precious Metals Co., Ltd. of CBPM            | CHINA                     | CID001909                        |
| Gold     | Tanaka Kikinzoku Kogyo K.K.                             | JAPAN                     | CID001875                        |
| Gold     | Sumitomo Metal Mining Co., Ltd.                         | JAPAN                     | CID001798                        |
| Gold     | Solar Applied Materials Technology Corp.                | TAIWAN, PROVINCE OF CHINA | CID001761                        |
| Gold     | SOE Shyolkovsky Factory of Secondary Precious Metals    | RUSSIAN FEDERATION        | CID001756                        |
| Gold     | Sichuan Tianze Precious Metals Co., Ltd.                | CHINA                     | CID001736                        |
| Gold     | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.       | CHINA                     | CID001622                        |
| Gold     | Shandong Tiancheng Biological Gold Industrial Co., Ltd. | CHINA                     | CID001619                        |
| Gold     | SEMPSA Joyeria Plateria S.A.                            | SPAIN                     | CID001585                        |
| Gold     | Samwon Metals Corp.                                     | KOREA, REPUBLIC OF        | CID001562                        |
| Gold     | Samduck Precious Metals                                 | KOREA, REPUBLIC OF        | CID001555                        |
| Gold     | Sabin Metal Corp.                                       | UNITED STATES OF AMERICA  | CID001546                        |
| Gold     | Royal Canadian Mint                                     | CANADA                    | CID001534                        |
| Gold     | Rand Refinery (Pty) Ltd.                                | SOUTH AFRICA              | CID001512                        |
| Gold     | PX Precinox S.A.  | SWITZERLAND               | CID001498                        |
| Gold     | PT Aneka Tambang (Persero) Tbk                          | INDONESIA                 | CID001397                        |
| Gold     | Prioksky Plant of Non-Ferrous Metals                    | RUSSIAN FEDERATION        | CID001386                        |
| Gold     | Penglai Penggang Gold Industry Co., Ltd.                | CHINA                     | CID001362                        |
| Gold     | PAMP S.A.   | SWITZERLAND               | CID001352                        |

| Metal/金屬 | Name/名稱   | Country/國家                  | Smelter Identification/<br>冶煉廠識別 |
|----------|---|-----------------------------|----------------------------------|
| Gold     | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN<br>FEDERATION       | CID001326                        |
| Gold     | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                       | CID001325                        |
| Gold     | Navoi Mining and Metallurgical Combinat                                     | UZBEKISTAN                  | CID001236                        |
| Gold     | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                      | CID001220                        |
| Gold     | Moscow Special Alloys Processing Plant                                      | RUSSIAN<br>FEDERATION       | CID001204                        |
| Gold     | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                       | CID001193                        |
| Gold     | Mitsubishi Materials Corporation  | JAPAN                       | CID001188                        |
| Gold     | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO                      | CID001161                        |
| Gold     | Metalor USA Refining Corporation  | UNITED STATES OF<br>AMERICA | CID001157                        |
| Gold     | Metalor Technologies S.A.   | SWITZERLAND                 | CID001153                        |
| Gold     | Metalor Technologies (Singapore) Pte., Ltd.                                 | SINGAPORE                   | CID001152                        |
| Gold     | Metalor Technologies (Hong Kong) Ltd.                                       | CHINA                       | CID001149                        |
| Gold     | Metalor Technologies (Suzhou) Ltd.  | CHINA                       | CID001147                        |
| Gold     | Matsuda Sangyo Co., Ltd.  | JAPAN                       | CID001119                        |
| Gold     | Materion  | UNITED STATES OF<br>AMERICA | CID001113                        |
| Gold     | Luoyang Zijin Yinhui Gold Refinery Co., Ltd.                                | CHINA                       | CID001093                        |
| Gold     | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF          | CID001078                        |
| Gold     | Lingbao Jinyuan Tonghui Refinery Co., Ltd.                                  | CHINA                       | CID001058                        |
| Gold     | Lingbao Gold Co., Ltd.  | CHINA                       | CID001056                        |
| Gold     | L'azurde Company For Jewelry  | SAUDI ARABIA                | CID001032                        |
| Gold     | Kyrgyzaltyn JSC   | KYRGYZSTAN                  | CID001029                        |
| Gold     | Kojima Chemicals Co., Ltd.  | JAPAN                       | CID000981                        |
| Gold     | Kennecott Utah Copper LLC   | UNITED STATES OF<br>AMERICA | CID000969                        |
| Gold     | Kazzinc   | KAZAKHSTAN                  | CID000957                        |
| Gold     | Kazakhmys Smelting LLC  | KAZAKHSTAN                  | CID000956                        |
| Gold     | JX Nippon Mining & Metals Co., Ltd.   | JAPAN                       | CID000937                        |

| Metal/金屬 | Name/名稱  | Country/國家                  | Smelter Identification/<br>冶煉廠識別 |
|----------|--|-----------------------------|----------------------------------|
| Gold     | JSC Uralelectromed   | RUSSIAN<br>FEDERATION       | CID000929                        |
| Gold     | Asahi Refining Canada Ltd.   | CANADA                      | CID000924                        |
| Gold     | Asahi Refining USA Inc.  | UNITED STATES OF<br>AMERICA | CID000920                        |
| Gold     | Jiangxi Copper Co., Ltd.   | CHINA                       | CID000855                        |
| Gold     | Japan Mint   | JAPAN                       | CID000823                        |
| Gold     | Istanbul Gold Refinery   | TURKEY                      | CID000814                        |
| Gold     | Ishifuku Metal Industry Co., Ltd.                                  | JAPAN                       | CID000807                        |
| Gold     | Inner Mongolia Qiankun Gold and Silver Refinery Share<br>Co., Ltd. | CHINA                       | CID000801                        |
| Gold     | HwaSeong CJ CO., LTD.  | KOREA, REPUBLIC OF          | CID000778                        |
| Gold     | Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.                | CHINA                       | CID000773                        |
| Gold     | Heraeus Precious Metals GmbH & Co. KG                              | GERMANY                     | CID000711                        |
| Gold     | Heraeus Metals Hong Kong Ltd.                                      | CHINA                       | CID000707                        |
| Gold     | Heimerle + Meule GmbH  | GERMANY                     | CID000694                        |
| Gold     | LT Metal Ltd.  | KOREA, REPUBLIC OF          | CID000689                        |
| Gold     | Hangzhou Fuchunjiang Smelting Co., Ltd.                            | CHINA                       | CID000671                        |
| Gold     | Guoda Safina High-Tech Environmental Refinery Co., Ltd.            | CHINA                       | CID000651                        |
| Gold     | Refinery of Seemine Gold Co., Ltd.                                 | CHINA                       | CID000522                        |
| Gold     | OJSC Novosibirsk Refinery  | RUSSIAN<br>FEDERATION       | CID000493                        |
| Gold     | Eco-System Recycling Co., Ltd. East Plant                          | JAPAN                       | CID000425                        |
| Gold     | Dowa   | JAPAN                       | CID000401                        |
| Gold     | DODUCO Contacts and Refining GmbH                                  | GERMANY                     | CID000362                        |
| Gold     | DSC (Do Sung Corporation)  | KOREA, REPUBLIC OF          | CID000359                        |
| Gold     | Daye Non-Ferrous Metals Mining Ltd.                                | CHINA                       | CID000343                        |
| Gold     | Chugai Mining  | JAPAN                       | CID000264                        |
| Gold     | Chimet S.p.A.  | ITALY                       | CID000233                        |
| Gold     | Yunnan Copper Industry Co., Ltd.                                   | CHINA                       | CID000197                        |
| Gold     | Cendres + Metaux S.A.  | SWITZERLAND                 | CID000189                        |
| Gold     | CCR Refinery - Glencore Canada Corporation                         | CANADA                      | CID000185                        |

| Metal/金屬 | Name/名稱   | Country/國家               | Smelter Identification/<br>冶煉廠識別 |
|----------|---|--------------------------|----------------------------------|
| Gold     | Caridad   | MEXICO                   | CID000180                        |
| Gold     | C. Hafner GmbH + Co. KG                                       | GERMANY                  | CID000176                        |
| Gold     | Boliden AB  | SWEDEN                   | CID000157                        |
| Gold     | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES              | CID000128                        |
| Gold     | Aurubis AG  | GERMANY                  | CID000113                        |
| Gold     | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.                      | TURKEY                   | CID000103                        |
| Gold     | Asaka Riken Co., Ltd.   | JAPAN                    | CID000090                        |
| Gold     | Asahi Pretec Corp.  | JAPAN                    | CID000082                        |
| Gold     | Argor-Heraeus S.A.  | SWITZERLAND              | CID000077                        |
| Gold     | AngloGold Ashanti Corrego do Sitio Mineracao                  | BRAZIL                   | CID000058                        |
| Gold     | Almalyk Mining and Metallurgical Complex (AMMC)               | UZBEKISTAN               | CID000041                        |
| Gold     | Allgemeine Gold-und Silberscheideanstalt A.G.                 | GERMANY                  | CID000035                        |
| Gold     | Aida Chemical Industries Co., Ltd.                            | JAPAN                    | CID000019                        |
| Gold     | Advanced Chemical Company                                     | UNITED STATES OF AMERICA | CID000015                        |
| Gold     | Nihon Material Co., Ltd.                                      | JAPAN                    | CID001259                        |
| Tantalum | CP Metals Inc.  | UNITED STATES OF AMERICA | CID003402                        |
| Tantalum | PRG Doel  | NORTH MACEDONIA          | CID002847                        |
| Tantalum | Jiangxi Tuohong New Raw Material                              | CHINA                    | CID002842                        |
| Tantalum | Resind Industria e Comercio Ltda.                             | BRAZIL                   | CID002707                        |
| Tantalum | Global Advanced Metals Aizu                                   | JAPAN                    | CID002558                        |
| Tantalum | Global Advanced Metals Boyertown                              | UNITED STATES OF AMERICA | CID002557                        |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                            | GERMANY                  | CID002550                        |
| Tantalum | H.C. Starck Ltd.  | JAPAN                    | CID002549                        |
| Tantalum | H.C. Starck Inc.  | UNITED STATES OF AMERICA | CID002548                        |
| Tantalum | H.C. Starck Hermsdorf GmbH                                    | GERMANY                  | CID002547                        |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH                         | GERMANY                  | CID002545                        |
| Tantalum | H.C. Starck Co., Ltd.   | THAILAND                 | CID002544                        |
| Tantalum | KEMET Blue Metals   | MEXICO                   | CID002539                        |

| Metal/金屬 | Name/名稱   | Country/國家               | Smelter Identification/<br>冶煉廠識別 |
|----------|---|--------------------------|----------------------------------|
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.      | CHINA                    | CID002512                        |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.     | CHINA                    | CID002508                        |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.     | CHINA                    | CID002506                        |
| Tantalum | FIR Metals & Resource Ltd.                        | CHINA                    | CID002505                        |
| Tantalum | D Block Metals, LLC                               | UNITED STATES OF AMERICA | CID002504                        |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA                    | CID002492                        |
| Tantalum | Ulba Metallurgical Plant JSC                      | KAZAKHSTAN               | CID001969                        |
| Tantalum | Telex Metals                                      | UNITED STATES OF AMERICA | CID001891                        |
| Tantalum | Taki Chemical Co., Ltd.                           | JAPAN                    | CID001869                        |
| Tantalum | Solikamsk Magnesium Works OAO                     | RUSSIAN FEDERATION       | CID001769                        |
| Tantalum | Yanling Jincheng Tantalum & Niobium Co., Ltd.     | CHINA                    | CID001522                        |
| Tantalum | QuantumClean                                      | UNITED STATES OF AMERICA | CID001508                        |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.        | CHINA                    | CID001277                        |
| Tantalum | NPM Silmet AS                                     | ESTONIA                  | CID001200                        |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.              | JAPAN                    | CID001192                        |
| Tantalum | Mineracao Taboca S.A.                             | BRAZIL                   | CID001175                        |
| Tantalum | Metallurgical Products India Pvt., Ltd.           | INDIA                    | CID001163                        |
| Tantalum | LSM Brasil S.A.                                   | BRAZIL                   | CID001076                        |
| Tantalum | Jiujiang Tanbre Co., Ltd.                         | CHINA                    | CID000917                        |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.       | CHINA                    | CID000914                        |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.          | CHINA                    | CID000616                        |
| Tantalum | F&X Electro-Materials Ltd.                        | CHINA                    | CID000460                        |
| Tantalum | Exotech Inc.                                      | UNITED STATES OF AMERICA | CID000456                        |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.         | CHINA                    | CID000211                        |
| Tantalum | Asaka Riken Co., Ltd.                             | JAPAN                    | CID000092                        |
| Tin      | Precious Minerals and Smelting Limited            | INDIA                    | CID003409                        |

| Metal/金屬 | Name/名稱   | Country/國家               | Smelter Identification/<br>冶煉廠識別 |
|----------|---|--------------------------|----------------------------------|
| Tin      | Yunnan Yunfan Non-ferrous Metals Co., Ltd.  | CHINA                    | CID003397                        |
| Tin      | Ma'anshan Weitai Tin Co., Ltd.  | CHINA                    | CID003379                        |
| Tin      | Dongguan CiEXPO Environmental Engineering Co., Ltd.                                   | CHINA                    | CID003356                        |
| Tin      | Tin Technology & Refining   | UNITED STATES OF AMERICA | CID003325                        |
| Tin      | Pongpipat Company Limited   | MYANMAR                  | CID003208                        |
| Tin      | PT Bangka Serumpun  | INDONESIA                | CID003205                        |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.   | CHINA                    | CID003190                        |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.   | CHINA                    | CID003116                        |
| Tin      | Modeltech Sdn Bhd   | MALAYSIA                 | CID002858                        |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant  | CHINA                    | CID002849                        |
| Tin      | HuiChang Hill Tin Industry Co., Ltd.  | CHINA                    | CID002844                        |
| Tin      | Thai Nguyen Mining and Metallurgy Co., Ltd.   | VIET NAM                 | CID002834                        |
| Tin      | Metallo Spain S.L.U.  | SPAIN                    | CID002774                        |
| Tin      | Metallo Belgium N.V.  | BELGIUM                  | CID002773                        |
| Tin      | Super Ligas   | BRAZIL                   | CID002756                        |
| Tin      | Resind Industria e Comercio Ltda.   | BRAZIL                   | CID002706                        |
| Tin      | An Vinh Joint Stock Mineral Processing Company  | VIET NAM                 | CID002703                        |
| Tin      | Tuyen Quang Non-Ferrous Metals Joint Stock Company                                    | VIET NAM                 | CID002574                        |
| Tin      | Nghe Tinh Non-Ferrous Metals Joint Stock Company                                      | VIET NAM                 | CID002573                        |
| Tin      | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM                 | CID002572                        |
| Tin      | O.M. Manufacturing Philippines, Inc.  | PHILIPPINES              | CID002517                        |
| Tin      | PT ATD Makmur Mandiri Jaya  | INDONESIA                | CID002503                        |
| Tin      | Melt Metais e Ligas S.A.  | BRAZIL                   | CID002500                        |
| Tin      | Magnu's Minerais Metais e Ligas Ltda.   | BRAZIL                   | CID002468                        |
| Tin      | Yunnan Tin Company Limited  | CHINA                    | CID002180                        |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.   | CHINA                    | CID002158                        |
| Tin      | White Solder Metalurgia e Mineracao Ltda.   | BRAZIL                   | CID002036                        |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.  | CHINA                    | CID001908                        |

| Metal/金屬 | Name/名稱                                      | Country/國家                             | Smelter Identification/<br>冶煉廠識別 |
|----------|--|--|----------------------------------|
| Tin      | Thaisarco                                    | THAILAND                               | CID001898                        |
| Tin      | Soft Metais Ltda.                            | BRAZIL                                 | CID001758                        |
| Tin      | Rui Da Hung                                  | TAIWAN, PROVINCE<br>OF CHINA           | CID001539                        |
| Tin      | PT Timah Tbk Mentok                          | INDONESIA                              | CID001482                        |
| Tin      | PT Timah Tbk Kundur                          | INDONESIA                              | CID001477                        |
| Tin      | PT Refined Bangka Tin                        | INDONESIA                              | CID001460                        |
| Tin      | PT Mitra Stania Prima                        | INDONESIA                              | CID001453                        |
| Tin      | PT Artha Cipta Langgeng                      | INDONESIA                              | CID001399                        |
| Tin      | Operaciones Metalurgicas S.A.                | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID001337                        |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.      | THAILAND                               | CID001314                        |
| Tin      | Jiangxi New Nanshan Technology Ltd.          | CHINA                                  | CID001231                        |
| Tin      | Mitsubishi Materials Corporation             | JAPAN                                  | CID001191                        |
| Tin      | Minsur                                       | PERU                                   | CID001182                        |
| Tin      | Mineracao Taboca S.A.                        | BRAZIL                                 | CID001173                        |
| Tin      | Metallic Resources, Inc.                     | UNITED STATES OF<br>AMERICA            | CID001142                        |
| Tin      | Malaysia Smelting Corporation (MSC)          | MALAYSIA                               | CID001105                        |
| Tin      | China Tin Group Co., Ltd.                    | CHINA                                  | CID001070                        |
| Tin      | Gejiu Kai Meng Industry and Trade LLC        | CHINA                                  | CID000942                        |
| Tin      | Huichang Jinshunda Tin Co., Ltd.             | CHINA                                  | CID000760                        |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.   | CHINA                                  | CID000555                        |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd. | CHINA                                  | CID000538                        |
| Tin      | Fenix Metals                                 | POLAND                                 | CID000468                        |
| Tin      | Estanho de Rondonia S.A.                     | BRAZIL                                 | CID000448                        |
| Tin      | EM Vinto                                     | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID000438                        |
| Tin      | Dowa   | JAPAN                                  | CID000402                        |
| Tin      | Alpha  | UNITED STATES OF<br>AMERICA            | CID000292                        |



| Metal/金屬 | Name/名稱  | Country/國家                   | Smelter Identification/<br>冶煉廠識別 |
|----------|--|------------------------------|----------------------------------|
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.            | CHINA                        | CID000228                        |
| Tin      | PT Timah Tbk Mentok  | INDONESIA                    | CID001482                        |
| Tungsten | JSC "Kirovgrad Hard Alloys Plant"                            | RUSSIAN<br>FEDERATION        | CID003408                        |
| Tungsten | Lianyou Metals Co., Ltd.                                     | TAIWAN, PROVINCE<br>OF CHINA | CID003407                        |
| Tungsten | Fujian Ganmin RareMetal Co., Ltd.                            | CHINA                        | CID003401                        |
| Tungsten | KGETS Co., Ltd.  | KOREA, REPUBLIC OF           | CID003388                        |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.                     | CHINA                        | CID003182                        |
| Tungsten | Moliren Ltd.   | RUSSIAN<br>FEDERATION        | CID002845                        |
| Tungsten | Woltech Korea Co., Ltd.                                      | KOREA, REPUBLIC OF           | CID002843                        |
| Tungsten | ACL Metais Eireli  | BRAZIL                       | CID002833                        |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.  | CHINA                        | CID002830                        |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                    | PHILIPPINES                  | CID002827                        |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City | CHINA                        | CID002815                        |
| Tungsten | Unecha Refractory metals plant                               | RUSSIAN<br>FEDERATION        | CID002724                        |
| Tungsten | Hydrometallurg, JSC  | RUSSIAN<br>FEDERATION        | CID002649                        |
| Tungsten | Jiangxi Xianglu Tungsten Co., Ltd.                           | CHINA                        | CID002647                        |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                         | CHINA                        | CID002645                        |
| Tungsten | Niagara Refining LLC   | UNITED STATES OF<br>AMERICA  | CID002589                        |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji              | CHINA                        | CID002579                        |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.              | CHINA                        | CID002551                        |
| Tungsten | Masan Tungsten Chemical LLC (MTC)                            | VIET NAM                     | CID002543                        |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                           | GERMANY                      | CID002542                        |
| Tungsten | H.C. Starck Tungsten GmbH                                    | GERMANY                      | CID002541                        |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.                 | CHINA                        | CID002513                        |
| Tungsten | Asia Tungsten Products Vietnam Ltd.                          | VIET NAM                     | CID002502                        |

| Metal/金屬 | Name/名稱   | Country/國家               | Smelter Identification/<br>冶煉廠識別 |
|----------|---|--------------------------|----------------------------------|
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                            | CHINA                    | CID002494                        |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                    | CID002321                        |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                              | CHINA                    | CID002320                        |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | CHINA                    | CID002319                        |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                    | CID002318                        |
| Tungsten | Jiangxi Xincheng Tungsten Industry Co., Ltd.                  | CHINA                    | CID002317                        |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | CHINA                    | CID002316                        |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                       | CHINA                    | CID002315                        |
| Tungsten | Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.         | CHINA                    | CID002313                        |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                     | CHINA                    | CID002095                        |
| Tungsten | Xiamen Tungsten Co., Ltd.                                     | CHINA                    | CID002082                        |
| Tungsten | Wolfram Bergbau und Hutten AG                                 | AUSTRIA                  | CID002044                        |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | VIET NAM                 | CID001889                        |
| Tungsten | Kennametal Fallon   | UNITED STATES OF AMERICA | CID000966                        |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.                   | CHINA                    | CID000875                        |
| Tungsten | Japan New Metals Co., Ltd.                                    | JAPAN                    | CID000825                        |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                   | CHINA                    | CID000769                        |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                               | CHINA                    | CID000766                        |
| Tungsten | Global Tungsten & Powders Corp.                               | UNITED STATES OF AMERICA | CID000568                        |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                              | CHINA                    | CID000499                        |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                          | CHINA                    | CID000258                        |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                          | CHINA                    | CID000218                        |
| Tungsten | Kennametal Huntsville   | UNITED STATES OF AMERICA | CID000105                        |
| Tungsten | A.L.M.T. Corp.  | JAPAN                    | CID000004                        |
| Cobalt   | Hunan Zoomwe New Energy Science & Technology Co., Ltd.        | CHINA                    | CID003411                        |

| Metal/金屬 | Name/名稱   | Country/國家            | Smelter Identification/<br>冶煉廠識別 |
|----------|---|-----------------------|----------------------------------|
| Cobalt   | Glencore Nikkelverk Refinery                                  | NORWAY                | CID003403                        |
| Cobalt   | New Era Group Zhejiang Zhongneng Cycle Technology Co., Ltd.   | CHINA                 | CID003398                        |
| Cobalt   | NORILSK NICKEL HARJAVALTA OY                                  | FINLAND               | CID003390                        |
| Cobalt   | Ganzhou Highpower Technology Co., Ltd.                        | CHINA                 | CID003384                        |
| Cobalt   | Jingmen GEM Co., Ltd.   | CHINA                 | CID003378                        |
| Cobalt   | Jiangxi Jiangwu Cobalt industrial Co., Ltd.                   | CHINA                 | CID003377                        |
| Cobalt   | Jiangsu Xiongfeng Technology Co., Ltd.                        | CHINA                 | CID003293                        |
| Cobalt   | Guangdong Jiana Energy Technology Co., Ltd.                   | CHINA                 | CID003291                        |
| Cobalt   | Mine de Bou-Azzer   | MOROCCO               | CID003279                        |
| Cobalt   | Fort Saskatchewan Metals Facility                             | CANADA                | CID003242                        |
| Cobalt   | JSC Kolskaya Mining and Metallurgical Company (Kola MMC)      | RUSSIAN<br>FEDERATION | CID003233                        |
| Cobalt   | Dynatec Madagascar Company                                    | MADAGASCAR            | CID003232                        |
| Cobalt   | Gangzhou Yi Hao Umicore Industry Co.                          | CHINA                 | CID003227                        |
| Cobalt   | Nantong Xinwei Nickel Cobalt Technology Development Co., Ltd. | CHINA                 | CID003221                        |
| Cobalt   | Hunan Brunp Recycling Technology Co., Ltd.                    | CHINA                 | CID003219                        |
| Cobalt   | Guangxi Yinyi Advanced Material Co., Ltd.                     | CHINA                 | CID003213                        |
| Cobalt   | Ganzhou Tengyuan Cobalt New Material Co., Ltd.                | CHINA                 | CID003212                        |
| Cobalt   | Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.      | CHINA                 | CID003210                        |
| Cobalt   | Gem (Jiangsu) Cobalt Industry Co., Ltd.                       | CHINA                 | CID003209                        |
| Cobalt   | Murrin Murrin Nickel Cobalt Plant                             | AUSTRALIA             | CID003406                        |
| Cobalt   | Compagnie de Tifnout Tiranimine                               | MOROCCO               | CID003280                        |

**This is the end of the Asus information.**

**Cherry:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

Cherry’s smelters report is shown next:

|      |                                    |                             |           |
|------|------------------------------------|-----------------------------|-----------|
| Gold | Advanced Chemical Company          | UNITED STATES<br>OF AMERICA | CID000015 |
| Gold | Aida Chemical Industries Co., Ltd. | JAPAN                       | CID000019 |

|      |   |                          |           |
|------|---|--------------------------|-----------|
| Gold | Allgemeine Gold-und Silberscheideanstalt A.G.                   | GERMANY                  | CID000035 |
| Gold | Almalyk Mining and Metallurgical Complex (AMMC)                 | UZBEKISTAN               | CID000041 |
| Gold | AngloGold Ashanti Corrego do Sitio Mineracao                    | BRAZIL                   | CID000058 |
| Gold | Argor-Heraeus S.A.  | SWITZERLAND              | CID000077 |
| Gold | Asahi Pretec Corp.  | JAPAN                    | CID000082 |
| Gold | Asaka Riken Co., Ltd.   | JAPAN                    | CID000090 |
| Gold | Aurubis AG  | GERMANY                  | CID000113 |
| Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines)   | PHILIPPINES              | CID000128 |
| Gold | Boliden AB  | SWEDEN                   | CID000157 |
| Gold | C. Hafner GmbH + Co. KG   | GERMANY                  | CID000176 |
| Gold | CCR Refinery - Glencore Canada Corporation                      | CANADA                   | CID000185 |
| Gold | Cendres + Metaux S.A.   | SWITZERLAND              | CID000189 |
| Gold | Chimet S.p.A.   | ITALY                    | CID000233 |
| Gold | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF       | CID000328 |
| Gold | DSC (Do Sung Corporation)                                       | KOREA, REPUBLIC OF       | CID000359 |
| Gold | DODUCO Contacts and Refining GmbH                               | GERMANY                  | CID000362 |
| Gold | Dowa  | JAPAN                    | CID000401 |
| Gold | Eco-System Recycling Co., Ltd.                                  | JAPAN                    | CID000425 |
| Gold | OJSC Novosibirsk Refinery                                       | RUSSIAN FEDERATION       | CID000493 |
| Gold | HeeSung Metal Ltd.  | KOREA, REPUBLIC OF       | CID000689 |
| Gold | Heimerle + Meule GmbH   | GERMANY                  | CID000694 |
| Gold | Heraeus Metals Hong Kong Ltd.                                   | CHINA                    | CID000707 |
| Gold | Heraeus Precious Metals GmbH & Co. KG                           | GERMANY                  | CID000711 |
| Gold | Hunan Chenzhou Mining Co., Ltd.                                 | CHINA                    | CID000767 |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                    | CID000801 |
| Gold | Ishifuku Metal Industry Co., Ltd.                               | JAPAN                    | CID000807 |
| Gold | Istanbul Gold Refinery  | TURKEY                   | CID000814 |
| Gold | Japan Mint  | JAPAN                    | CID000823 |
| Gold | Asahi Refining USA Inc.   | UNITED STATES OF AMERICA | CID000920 |
| Gold | Asahi Refining Canada Ltd.                                      | CANADA                   | CID000924 |
| Gold | JSC Ekaterinburg Non-Ferrous Metal Processing Plant             | RUSSIAN FEDERATION       | CID000927 |
| Gold | JSC Uralelectromed  | RUSSIAN FEDERATION       | CID000929 |
| Gold | JX Nippon Mining & Metals Co., Ltd.                             | JAPAN                    | CID000937 |
| Gold | Kazzinc   | KAZAKHSTAN               | CID000957 |

|      |   |                           |           |
|------|---|---------------------------|-----------|
| Gold | Kennecott Utah Copper LLC   | UNITED STATES OF AMERICA  | CID000969 |
| Gold | Kojima Chemicals Co., Ltd.  | JAPAN                     | CID000981 |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN                | CID001029 |
| Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF        | CID001078 |
| Gold | Materion  | UNITED STATES OF AMERICA  | CID001113 |
| Gold | Matsuda Sangyo Co., Ltd.  | JAPAN                     | CID001119 |
| Gold | Metalor Technologies (Suzhou) Ltd.  | CHINA                     | CID001147 |
| Gold | Metalor Technologies (Hong Kong) Ltd.                                       | CHINA                     | CID001149 |
| Gold | Metalor Technologies (Singapore) Pte., Ltd.                                 | SINGAPORE                 | CID001152 |
| Gold | Metalor Technologies S.A.   | SWITZERLAND               | CID001153 |
| Gold | Metalor USA Refining Corporation  | UNITED STATES OF AMERICA  | CID001157 |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO                    | CID001161 |
| Gold | Mitsubishi Materials Corporation  | JAPAN                     | CID001188 |
| Gold | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                     | CID001193 |
| Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION        | CID001204 |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                    | CID001220 |
| Gold | Nihon Material Co., Ltd.  | JAPAN                     | CID001259 |
| Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                     | CID001325 |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION        | CID001326 |
| Gold | PAMP S.A.   | SWITZERLAND               | CID001352 |
| Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION        | CID001386 |
| Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA                 | CID001397 |
| Gold | PX Precinox S.A.  | SWITZERLAND               | CID001498 |
| Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA              | CID001512 |
| Gold | Royal Canadian Mint   | CANADA                    | CID001534 |
| Gold | Samduck Precious Metals   | KOREA, REPUBLIC OF        | CID001555 |
| Gold | SEMPA Joyeria Plateria S.A.   | SPAIN                     | CID001585 |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.                           | CHINA                     | CID001622 |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.                           | CHINA                     | CID001622 |
| Gold | Sichuan Tianze Precious Metals Co., Ltd.                                    | CHINA                     | CID001736 |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals                        | RUSSIAN FEDERATION        | CID001756 |
| Gold | Solar Applied Materials Technology Corp.                                    | TAIWAN, PROVINCE OF CHINA | CID001761 |
| Gold | Sumitomo Metal Mining Co., Ltd.   | JAPAN                     | CID001798 |
| Gold | Sumitomo Metal Mining Co., Ltd.   | JAPAN                     | CID001798 |

|      |   |                           |           |
|------|---|---------------------------|-----------|
| Gold | Tanaka Kikinzoku Kogyo K.K.                                 | JAPAN                     | CID001875 |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.              | CHINA                     | CID001916 |
| Gold | Tokuriki Honten Co., Ltd.                                   | JAPAN                     | CID001938 |
| Gold | Torecom   | KOREA, REPUBLIC OF        | CID001955 |
| Gold | Umicore Brasil Ltda.  | BRAZIL                    | CID001977 |
| Gold | Umicore S.A. Business Unit Precious Metals Refining         | BELGIUM                   | CID001980 |
| Gold | United Precious Metal Refining, Inc.                        | UNITED STATES OF AMERICA  | CID001993 |
| Gold | Valcambi S.A.   | SWITZERLAND               | CID002003 |
| Gold | Western Australian Mint (T/a The Perth Mint)                | AUSTRALIA                 | CID002030 |
| Gold | Yamakin Co., Ltd.   | JAPAN                     | CID002100 |
| Gold | Yokohama Metal Co., Ltd.                                    | JAPAN                     | CID002129 |
| Gold | Zhongyuan Gold Smelter of Zhongjin Gold Corporation         | CHINA                     | CID002224 |
| Gold | Zhongyuan Gold Smelter of Zhongjin Gold Corporation         | CHINA                     | CID002224 |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd.               | CHINA                     | CID002243 |
| Gold | Umicore Precious Metals Thailand                            | THAILAND                  | CID002314 |
| Gold | Geib Refining Corporation                                   | UNITED STATES OF AMERICA  | CID002459 |
| Gold | MMTC-PAMP India Pvt., Ltd.                                  | INDIA                     | CID002509 |
| Gold | Singway Technology Co., Ltd.                                | TAIWAN, PROVINCE OF CHINA | CID002516 |
| Gold | Al Etihad Gold Refinery DMCC                                | UNITED ARAB EMIRATES      | CID002560 |
| Gold | Emirates Gold DMCC  | UNITED ARAB EMIRATES      | CID002561 |
| Gold | T.C.A S.p.A   | ITALY                     | CID002580 |
| Gold | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF        | CID002605 |
| Gold | Marsam Metals   | BRAZIL                    | CID002606 |
| Gold | SAAMP   | FRANCE                    | CID002761 |
| Gold | Italpreziosi  | ITALY                     | CID002765 |
| Gold | SAXONIA Edelmetalle GmbH                                    | GERMANY                   | CID002777 |
| Gold | WIELAND Edelmetalle GmbH                                    | GERMANY                   | CID002778 |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH | AUSTRIA                   | CID002779 |
| Gold | AU Traders and Refiners                                     | SOUTH AFRICA              | CID002850 |
| Gold | SungEel HiMetal Co., Ltd.                                   | KOREA, REPUBLIC OF        | CID002918 |
| Gold | Planta Recuperadora de Metales SpA                          | CHILE                     | CID002919 |
| Gold | Safimet S.p.A   | ITALY                     | CID002973 |

|     |  |                                  |           |
|-----|--|----------------------------------|-----------|
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA         | CID000292 |
| Tin | PT Aries Kencana Sejahtera                 | INDONESIA                        | CID000309 |
| Tin | PT Premium Tin Indonesia                   | INDONESIA                        | CID000313 |
| Tin | Dowa                                       | JAPAN                            | CID000402 |
| Tin | EM Vinto                                   | BOLIVIA (PLURINATIONAL STATE OF) | CID000438 |
| Tin | EM Vinto                                   | BOLIVIA (PLURINATIONAL STATE OF) | CID000438 |
| Tin | EM Vinto                                   | BOLIVIA (PLURINATIONAL STATE OF) | CID000438 |
| Tin | Estanho de Rondonia S.A.                   | BRAZIL                           | CID000448 |
| Tin | Estanho de Rondonia S.A.                   | BRAZIL                           | CID000448 |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd. | CHINA                            | CID000555 |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd. | CHINA                            | CID000555 |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd. | CHINA                            | CID000555 |
| Tin | Huichang Jinshunda Tin Co., Ltd.           | CHINA                            | CID000760 |
| Tin | Huichang Jinshunda Tin Co., Ltd.           | CHINA                            | CID000760 |
| Tin | Huichang Jinshunda Tin Co., Ltd.           | CHINA                            | CID000760 |
| Tin | Gejiu Kai Meng Industry and Trade LLC      | CHINA                            | CID000942 |
| Tin | Gejiu Kai Meng Industry and Trade LLC      | CHINA                            | CID000942 |
| Tin | Gejiu Kai Meng Industry and Trade LLC      | CHINA                            | CID000942 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                            | CID001070 |
| Tin | Malaysia Smelting Corporation (MSC)        | MALAYSIA                         | CID001105 |
| Tin | Mineracao Taboca S.A.                      | BRAZIL                           | CID001173 |

|     |   |  |           |
|-----|---|--|-----------|
| Tin | Mineracao Taboca S.A.                             | BRAZIL                                 | CID001173 |
| Tin | Mineracao Taboca S.A.                             | BRAZIL                                 | CID001173 |
| Tin | Minsur  | PERU                                   | CID001182 |
| Tin | Jiangxi New Nanshan Technology Ltd.               | CHINA                                  | CID001231 |
| Tin | Jiangxi New Nanshan Technology Ltd.               | CHINA                                  | CID001231 |
| Tin | Jiangxi New Nanshan Technology Ltd.               | CHINA                                  | CID001231 |
| Tin | Operaciones Metalurgicas S.A.                     | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID001337 |
| Tin | Operaciones Metalurgicas S.A.                     | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID001337 |
| Tin | PT Babel Surya Alam Lestari                       | INDONESIA                              | CID001406 |
| Tin | PT Bukit Timah                                    | INDONESIA                              | CID001428 |
| Tin | PT Bukit Timah                                    | INDONESIA                              | CID001428 |
| Tin | PT Bukit Timah                                    | INDONESIA                              | CID001428 |
| Tin | PT Bukit Timah                                    | INDONESIA                              | CID001428 |
| Tin | PT Refined Bangka Tin                             | INDONESIA                              | CID001460 |
| Tin | PT Timah Tbk Kundur                               | INDONESIA                              | CID001477 |
| Tin | PT Timah Tbk Kundur                               | INDONESIA                              | CID001477 |
| Tin | PT Timah Tbk Kundur                               | INDONESIA                              | CID001477 |
| Tin | PT Timah Tbk Mentok                               | INDONESIA                              | CID001482 |
| Tin | PT Timah Tbk Mentok                               | INDONESIA                              | CID001482 |
| Tin | Thaisarco   | THAILAND                               | CID001898 |
| Tin | Thaisarco   | THAILAND                               | CID001898 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,<br>Ltd. | CHINA                                  | CID001908 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,<br>Ltd. | CHINA                                  | CID001908 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,<br>Ltd. | CHINA                                  | CID001908 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,<br>Ltd. | CHINA                                  | CID001908 |
| Tin | White Solder Metalurgia e Mineracao Ltda.         | BRAZIL                                 | CID002036 |
| Tin | White Solder Metalurgia e Mineracao Ltda.         | BRAZIL                                 | CID002036 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co.,<br>Ltd.  | CHINA                                  | CID002158 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co.,<br>Ltd.  | CHINA                                  | CID002158 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co.,<br>Ltd.  | CHINA                                  | CID002158 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co.,<br>Ltd.  | CHINA                                  | CID002158 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co.,<br>Ltd.  | CHINA                                  | CID002158 |
| Tin | Yunnan Tin Company Limited                        | CHINA                                  | CID002180 |



|     |   |                          |           |
|-----|---|--------------------------|-----------|
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | Yunnan Tin Company Limited  | CHINA                    | CID002180 |
| Tin | PT Tirus Putra Mandiri  | INDONESIA                | CID002478 |
| Tin | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM                 | CID002572 |
| Tin | Nghe Tinh Non-Ferrous Metals Joint Stock Company                                      | VIET NAM                 | CID002573 |
| Tin | Tuyen Quang Non-Ferrous Metals Joint Stock Company                                    | VIET NAM                 | CID002574 |
| Tin | PT Rajehan Ariq   | INDONESIA                | CID002593 |
| Tin | An Vinh Joint Stock Mineral Processing Company  | VIET NAM                 | CID002703 |
| Tin | Resind Industria e Comercio Ltda.   | BRAZIL                   | CID002706 |
| Tin | Super Ligas   | BRAZIL                   | CID002756 |
| Tin | Thai Nguyen Mining and Metallurgy Co., Ltd.   | VIET NAM                 | CID002834 |
| Tin | PT Bangka Serumpun  | INDONESIA                | CID003205 |
| Tin | Pongpipat Company Limited   | MYANMAR                  | CID003208 |
| Tin | Tin Technology & Refining   | UNITED STATES OF AMERICA | CID003325 |
| Tin | Dongguan CiEXPO Environmental Engineering Co., Ltd.                                   | CHINA                    | CID003356 |
| Tin | Ma'anshan Weitai Tin Co., Ltd.  | CHINA                    | CID003379 |
| Tin | PT Rajawali Rimba Perkasa   | INDONESIA                | CID003381 |
| Tin | Yunnan Yunfan Non-ferrous Metals Co., Ltd.  | CHINA                    | CID003397 |
| Tin | Precious Minerals and Smelting Limited  | INDIA                    | CID003409 |
| Tin | Gejiu City Fuxiang Industry and Trade Co., Ltd."                                      | CHINA                    | CID000228 |
| Tin | Gejiu City Fuxiang Industry and Trade Co., Ltd."                                      | CHINA                    | CID000228 |
| Tin | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                                     | CHINA                    | CID000228 |
| Tin | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                                     | CHINA                    | CID000228 |
| Tin | Alpha   | UNITED STATES OF AMERICA | CID000292 |
| Tin | CV Gita Pesona  | INDONESIA                | CID000306 |
| Tin | PT Aries Kencana Sejahtera  | INDONESIA                | CID000309 |
| Tin | PT Premium Tin Indonesia  | INDONESIA                | CID000313 |
| Tin | CV United Smelting  | INDONESIA                | CID000315 |
| Tin | Dowa  | JAPAN                    | CID000402 |

|     |   |  |           |
|-----|---|--|-----------|
| Tin | EM Vinto  | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID000438 |
| Tin | Fenix Metals                                      | POLAND                                 | CID000468 |
| Tin | Gejiu Non-Ferrous Metal Processing Co.,<br>Ltd.   | CHINA                                  | CID000538 |
| Tin | Huichang Jinshunda Tin Co., Ltd.                  | CHINA                                  | CID000760 |
| Tin | Gejiu Kai Meng Industry and Trade LLC             | CHINA                                  | CID000942 |
| Tin | China Tin Group Co., Ltd.                         | CHINA                                  | CID001070 |
| Tin | Malaysia Smelting Corporation (MSC)               | MALAYSIA                               | CID001105 |
| Tin | Metallic Resources, Inc.                          | UNITED STATES<br>OF AMERICA            | CID001142 |
| Tin | Mineracao Taboca S.A.                             | BRAZIL                                 | CID001173 |
| Tin | Minsur  | PERU                                   | CID001182 |
| Tin | Mitsubishi Materials Corporation                  | JAPAN                                  | CID001191 |
| Tin | Jiangxi New Nanshan Technology Ltd.               | CHINA                                  | CID001231 |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd.           | THAILAND                               | CID001314 |
| Tin | Operaciones Metalurgicas S.A.                     | BOLIVIA<br>(PLURINATIONAL<br>STATE OF) | CID001337 |
| Tin | PT Artha Cipta Langgeng                           | INDONESIA                              | CID001399 |
| Tin | PT Babel Inti Perkasa                             | INDONESIA                              | CID001402 |
| Tin | PT Bangka Tin Industry                            | INDONESIA                              | CID001419 |
| Tin | PT Belitung Industri Sejahtera                    | INDONESIA                              | CID001421 |
| Tin | PT Bukit Timah                                    | INDONESIA                              | CID001428 |
| Tin | PT DS Jaya Abadi                                  | INDONESIA                              | CID001434 |
| Tin | PT Karimun Mining                                 | INDONESIA                              | CID001448 |
| Tin | PT Mitra Stania Prima                             | INDONESIA                              | CID001453 |
| Tin | PT Panca Mega Persada                             | INDONESIA                              | CID001457 |
| Tin | PT Prima Timah Utama                              | INDONESIA                              | CID001458 |
| Tin | PT Refined Bangka Tin                             | INDONESIA                              | CID001460 |
| Tin | PT Sariwiguna Binasentosa                         | INDONESIA                              | CID001463 |
| Tin | PT Stanindo Inti Perkasa                          | INDONESIA                              | CID001468 |
| Tin | PT Sumber Jaya Indah                              | INDONESIA                              | CID001471 |
| Tin | PT Timah Tbk Kundur                               | INDONESIA                              | CID001477 |
| Tin | PT Timah Tbk Mentok                               | INDONESIA                              | CID001482 |
| Tin | PT Tinindo Inter Nusa                             | INDONESIA                              | CID001490 |
| Tin | PT Tommy Utama                                    | INDONESIA                              | CID001493 |
| Tin | Rui Da Hung                                       | TAIWAN,<br>PROVINCE OF<br>CHINA        | CID001539 |
| Tin | Soft Metais Ltda.                                 | BRAZIL                                 | CID001758 |
| Tin | Thaisarco   | THAILAND                               | CID001898 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,<br>Ltd. | CHINA                                  | CID001908 |
| Tin | White Solder Metalurgia e Mineracao Ltda.         | BRAZIL                                 | CID002036 |

|     |  |             |           |
|-----|--|-------------|-----------|
| Tin | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.  | CHINA       | CID002158 |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.  | CHINA       | CID002158 |
| Tin | Yunnan Tin Company Limited                     | CHINA       | CID002180 |
| Tin | CV Venus Inti Perkasa                          | INDONESIA   | CID002455 |
| Tin | Magnu's Minerais Metais e Ligas Ltda.          | BRAZIL      | CID002468 |
| Tin | Melt Metais e Ligas S.A.                       | BRAZIL      | CID002500 |
| Tin | PT ATD Makmur Mandiri Jaya                     | INDONESIA   | CID002503 |
| Tin | O.M. Manufacturing Philippines, Inc.           | PHILIPPINES | CID002517 |
| Tin | PT Inti Stania Prima                           | INDONESIA   | CID002530 |
| Tin | CV Ayi Jaya                                    | INDONESIA   | CID002570 |
| Tin | CV Dua Sekawan                                 | INDONESIA   | CID002592 |
| Tin | PT Rajehan Ariq                                | INDONESIA   | CID002593 |
| Tin | Resind Industria e Comercio Ltda.              | BRAZIL      | CID002706 |
| Tin | Resind Industria e Comercio Ltda.              | BRAZIL      | CID002706 |
| Tin | Metallo Belgium N.V.                           | BELGIUM     | CID002773 |
| Tin | Metallo Spain S.L.U.                           | SPAIN       | CID002774 |
| Tin | PT Bangka Prima Tin                            | INDONESIA   | CID002776 |
| Tin | PT Sukses Inti Makmur                          | INDONESIA   | CID002816 |
| Tin | PT Kijang Jaya Mandiri                         | INDONESIA   | CID002829 |
| Tin | PT Menara Cipta Mulia                          | INDONESIA   | CID002835 |
| Tin | HuiChang Hill Tin Industry Co., Ltd.           | CHINA       | CID002844 |
| Tin | Gejiu Fengming Metallurgy Chemical Plant       | CHINA       | CID002848 |
| Tin | Guanyang Guida Nonferrous Metal Smelting Plant | CHINA       | CID002849 |
| Tin | Modeltech Sdn Bhd                              | MALAYSIA    | CID002858 |
| Tin | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.    | CHINA       | CID003116 |
| Tin | Chifeng Dajingzi Tin Industry Co., Ltd.        | CHINA       | CID003190 |
| Tin | PT Bangka Serumpun                             | INDONESIA   | CID003205 |

**This is the end of the Cherry information.**

**Cooler Master:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

Cooler Master’s smelters report is shown next (only one used):

|     |                            |       |           |
|-----|----------------------------|-------|-----------|
| Tin | Yunnan Tin Company Limited | CHINA | CID002180 |
|-----|----------------------------|-------|-----------|

**This is the end of the Cooler Master information.**

**EVGA:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

|     |                                     |         |           |
|-----|-------------------------------------|---------|-----------|
| Tin | China Tin Lai Ben Smelter Co., Ltd. | CHINA   | 2CHN051   |
| Tin | EM Vinto                            | BOLIVIA | CID000438 |
| Tin | Gejiu Jinye Mineral Company         | CHINA   | CID002859 |
| Tin | China Tin Group Co., Ltd.           | CHINA   | CID001070 |

**This is the end of the EVGA information.**

**Gigabyte Technology:**

**Establishment of Management System**

GIGABYTE requires all first-tier suppliers to implement ISO14001 Environmental Management Systems and ISO 45001:2018 Occupational Health and Safety Management Systems (Original OHSAS 18001) and to cooperate with on-site inspection.

**Restrictions on Use of Hazardous Substances**

GIGABYTE became the first system brand vendor in the world to pass IECQ QC 080000 certification in 2005. Lead-free production processes were adopted for our products and a green material management system introduced to establish a green supply chain. Green Supply Chain Management (GSCM) is used to integrate component suppliers and link to the relevant regulatory review and approval processes. Through effective communication, tracking and management, components that contain restricted chemical substances are eliminated from the supply chain. All suppliers can use the system platform to check the latest version of HCSR issued by GIGABYTE Group as well as the relevant green product specifications.

Product suppliers are required to conform to the GIGABYTE Technology Group Guideline for the Management of Harmful Chemical Substances Requirements (HCSR), RoHS, WEEE and other regional pollution prevention or waste disposal-related environmental regulations. For environmental laws or substance management regulations specified by GIGABYTE such as the Substance of Very High Concern (SVHC) defined by the EU REACH legislation or Level B and Level C substances defined in the HCSR, suppliers should cooperate with inspections and voluntarily report the results. Suppliers must also sign the Certificate of Non-use of the Controlled Substances as well as a declaration of conformity on SVHC in EU REACH legislation.

In response to the additional control on PAE materials by RoHS 2.0 and the amendment of REACH, we revised the HCSR in 2017 to adjust the control level (from Level B to Level A) of the 4 PAE materials (DEHP, BBP, DBP, DIBP) and add 2 prohibited substances of DBP and PFOSF. To ensure that all of the products meet the RoHS 2.0 requirement by 2019, we have promoted and activated the control requirements at the year-end event of the suppliers since 2016. An overall inspection and spot check of the suppliers was conducted in 2017 and the suppliers of high risk must provide a test report from the lab of a third party. Follow-up actions are taken afterward to ensure that all the suppliers meet the HCSR.

**Supply Chain Labor Rights and EICC**

GIGABYTE commits to complying with local laws under high moral standards and also obeying regulations of industrial responsibility. Although we are not a formal member of Responsible Business Alliance (RBA, originally known as EICC), we voluntarily support “Code of Conduct – Responsible Business Alliance, RBA”.

We establish zero tolerance regulations for four conducts of “use of child labor, forced labor, discharge of untreated toxic or harmful matters or materials, and behavior that may cause direct injury to employees” to

implement the supply chain management regulations. Improvement shall be made within a specified time frame if any violation is identified. Otherwise, we will notify the customer if the supplier involved is designated by it, or reduce the orders or cease the transaction if the supplier involved is not designated by the customer. For the supplier who refuses to make improvements, we will disqualify them to reduce the supply chain risk and avoid any damage to the customer. For more information about the RBA, please visit the RBA website at <http://www.responsiblebusiness.org/> .

### Non-use of Conflict Minerals

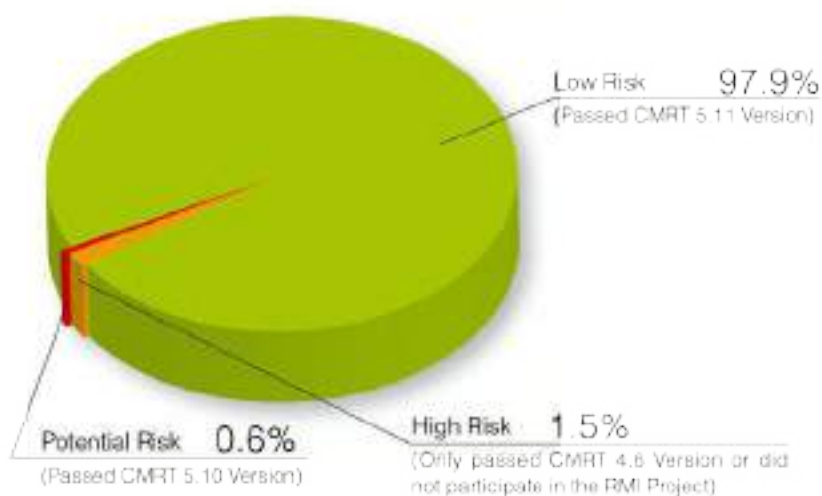
Conflict minerals refer to minerals from war zones and illegal mining operations involving human rights abuse and harsh working conditions. For example, Tantalum, Tin, Tungsten and Gold from mines in the Democratic Republic of the Congo and neighboring countries controlled by armed militia are used to fund further armed conflicts. These metals are extensively used in the technology and manufacturing industries so represent a serious risk in sustainable supply chain management.

GIGABYTE has used our official website and supply contracts to communicate to our suppliers that we oppose and do not use conflict minerals. We also conduct non-use inspections to reduce the impact of “conflict minerals” and ensure that suppliers take the same stance as GIGABYTE on the procurement of conflict minerals. We take self-management measures in the hope to complete the conflict mineral management by signing letters of undertaking, investigating conflict minerals, and analyzing relevant issues.

- Promoting social responsibility and code of conduct among suppliers; confirming. Subscription of the letter of undertaking for social responsibility.
- Establishing internal systematic and documented management systems.
- Establishing an annual supplier investigation system.
- Analyzing and retaining conflict mineral investigation data.

With reference to the list of qualified smelters announced by the Conflict-free Sourcing Initiative (CFSI; renamed to Responsible Minerals Initiative or RMI in 2017), we prioritized a conflict mineral investigation for the suppliers with highly potential risks in 2016. Afterward, we kept expanding the scope of investigation over the years in order to implement the requirements of our anti-conflict-mineral policy. In 2018, the number of investigated suppliers increased to 378 (up from 173 in 2016). We will continuously follow up the suppliers to understand the status of their smelters and ask to partner with the smelters that meet the RMI requirements.

### 2018 Result of 3TG (Tantalum, Tin, Tungsten, Gold) Smelter Survey



Gigabyte’s list of smelters now follows:

| 金屬<br>/Metal | 冶煉廠名稱<br>/Smelter Name                              | 冶煉廠所在國家<br>/Country      | 冶煉廠識別<br>/Smelter ID |
|--------------|---|--------------------------|----------------------|
| Gold         | Solar Applied Materials Technoloav Corp.            | TAIWAN                   | CID001761            |
| Gold         | Heraeus Metals Hong Kong Ltd.                       | CHINA                    | CID000707            |
| Gold         | Heimerle + Meule GmbH                               | GERMANY                  | CID000694            |
| Gold         | Heimerle + Meule GmbH                               | GERMANY                  | CID000694            |
| Gold         | Heraeus Precious Metals GmbH & Co. KG               | GERMANY                  | CID000711            |
| Gold         | Hunan Chenzhou Mining Co., Ltd.                     | CHINA                    | CID000767            |
| Gold         | Ishifuku Metal Industry Co., Ltd.                   | JAPAN                    | CID000807            |
| Gold         | Jiangxi Copper Co., Ltd.                            | CHINA                    | CID000855            |
| Gold         | JSC Ekaterinburg Non-Ferrous Metal Processing Plant | RUSSIAN FEDERATION       | CID000927            |
| Gold         | JX Nippon Mining & Metals Co., Ltd.                 | JAPAN                    | CID000937            |
| Gold         | Kazzinc   | KAZAKHSTAN               | CID000957            |
| Gold         | Matsuda Sangyo Co., Ltd.                            | JAPAN                    | CID001119            |
| Gold         | Metalor Technologies (Hong Kong) Ltd.               | CHINA                    | CID001149            |
| Gold         | Metalor Technologies (Singapore) Pte., Ltd.         | SINGAPORE                | CID001152            |
| Gold         | Metalor Technologies S.A.                           | SWITZERLAND              | CID001153            |
| Gold         | Metalor USA Refining Corporation                    | UNITED STATES OF AMERICA | CID001157            |
| Gold         | Metalurgica Met-Mex Penoles S.A. De C.V.            | MEXICO                   | CID001161            |
| Gold         | Mitsubishi Materials Corporation                    | JAPAN                    | CID001188            |
| Gold         | Moscow Special Alloys Processing Plant              | RUSSIAN FEDERATION       | CID001204            |
| Gold         | Nadir Metal Rafineri San. Ve Tic. A.S.              | TURKEY                   | CID001220            |
| Gold         | Ohura Precious Metal Industry Co., Ltd.             | JAPAN                    | CID001325            |
| Gold         | OJSC "The Gulidov Krasnoyarsk                       | RUSSIAN FEDERATION       | CID001326            |
| Gold         | PAMP S.A.   | SWITZERLAND              | CID001352            |
| Gold         | PT Aneka Tambang (Persero) Tbk                      | INDONESIA                | CID001397            |
| Gold         | PX Precinox S.A.                                    | SWITZERLAND              | CID001498            |
| Gold         | Royal Canadian Mint                                 | CANADA                   | CID001534            |
| Gold         | SEMPSA Joyeria Plateria S.A.                        | SPAIN                    | CID001585            |
| Gold         | Shandong Zhaojin Gold & Silver Refinery             | CHINA                    | CID001622            |
| Gold         | Sichuan Tianze Precious Metals Co., Ltd.            | CHINA                    | CID001736            |
| Gold         | Sumitomo Metal Mining Co., Ltd.                     | JAPAN                    | CID001798            |
| Gold         | MMTC-PAMP India Pvt., Ltd.                          | INDIA                    | CID002509            |
| Gold         | Republic Metals Corporation                         | UNITED STATES OF AMERICA | CID002510            |
| Gold         | T.C.A S.p.A   | ITALY                    | CID002580            |
| Gold         | Silber-Scheideanstalt GmbH                          | AUSTRIA                  | CID002779            |
| Gold         | OJSC Novosibirsk Refinery                           | RUSSIAN FEDERATION       | CID000493            |
| Gold         | Guangdong Jinding Gold Limited                      | CHINA                    | CID002312            |

|      |   |                          |           |
|------|---|--------------------------|-----------|
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                    | CID000801 |
| Gold | Istanbul Gold Refinery  | TURKEY                   | CID000814 |
| Gold | Japan Mint  | JAPAN                    | CID000823 |
| Gold | JSC Uralelectromed  | RUSSIAN FEDERATION       | CID000929 |
| Gold | Kennecott Utah Copper LLC                                       | UNITED STATES OF AMERICA | CID000969 |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN               | CID001029 |
| Gold | L'azurde Company For Jewelry                                    | SAUDI ARABIA             | CID001032 |
| Gold | Lingbao Gold Co., Ltd.  | CHINA                    | CID001056 |
| Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF       | CID001078 |
| Gold | Luoyang Zijin Yinhui Gold Refinery Co., Ltd.                    | CHINA                    | CID001093 |
| Gold | Materion  | UNITED STATES OF AMERICA | CID001113 |
| Gold | Metalor Technologies (Suzhou) Ltd.                              | CHINA                    | CID001147 |
| Gold | Mitsui Mining and Smelting Co., Ltd.                            | JAPAN                    | CID001193 |
| Gold | Navoi Mining and Metallurgical Combinat                         | UZBEKISTAN               | CID001236 |
| Gold | Prioksky Plant of Non-Ferrous Metals                            | RUSSIAN FEDERATION       | CID001386 |
| Gold | Sabin Metal Corp.   | UNITED STATES OF AMERICA | CID001546 |
| Gold | Samwon Metals Corp.   | KOREA, REPUBLIC OF       | CID001562 |
| Gold | Schone Edelmetaal B.V.  | NETHERLANDS              | CID001573 |
| Gold | Shandong Tiancheng Biological Gold                              | CHINA                    | CID001619 |
| Gold | So Accurate Group, Inc.   | UNITED STATES OF AMERICA | CID001754 |
| Gold | SOE Shyolkovsky Factory   | RUSSIAN FEDERATION       | CID001756 |
| Gold | Tanaka Kikinzoku Kogyo K.K.                                     | JAPAN                    | CID001875 |
| Gold | Great Wall Precious Metals Co. Ltd                              | CHINA                    | CID001909 |
| Gold | Guoda Safina High-Tech Environmental                            | CHINA                    | CID000651 |
| Gold | Kojima Chemicals Co., Ltd.                                      | JAPAN                    | CID000981 |
| Gold | Nihon Material Co., Ltd.  | JAPAN                    | CID001259 |
| Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA             | CID001512 |
| Gold | Samduck Precious Metals   | KOREA, REPUBLIC OF       | CID001555 |
| Gold | Gold Refinery of Zijin Mining Group Co                          | CHINA                    | CID002243 |
| Gold | Singway Technology Co., Ltd.                                    | CHINA                    | CID002516 |
| Gold | SAXONIA Edelmetalle GmbH  | GERMANY                  | CID002777 |
| Gold | Refinery of Seemine Gold Co., Ltd.                              | CHINA                    | CID000522 |
| Gold | Hangzhou Fuchunjiang Smelting Co., Ltd.                         | CHINA                    | CID000671 |
| Gold | HwaSeong CJ CO., LTD.   | KOREA, REPUBLIC OF       | CID000778 |
| Gold | Kazakhmys Smelting LLC  | KAZAKHSTAN               | CID000956 |
| Gold | Lingbao Jinyuan Tonghui Refinery Co., Ltd.                      | CHINA                    | CID001058 |
| Gold | Penglai Penggang Gold Industry Co., Ltd.                        | CHINA                    | CID001362 |
| Gold | Morris and Watson   | NEW ZEALAND              | CID007623 |
| Gold | SAFINA A.S.   | CZECH REPUBLIC           | CID002290 |

|             |  |                          |           |
|-------------|--|--------------------------|-----------|
| <b>Gold</b> | KGHM Polska Miedz Spolka Akcyjna           | POLAND                   | CID002511 |
| <b>Gold</b> | Kaloti Precious Metals                     | UNITED ARAB EMIRATES     | CID002563 |
| <b>Gold</b> | Sudan Gold Refinery                        | SUDAN                    | CID002567 |
| <b>Gold</b> | Remondis Argentia B.V.                     | NETHERLANDS              | CID002582 |
| <b>Gold</b> | Korea Zinc Co., Ltd.                       | KOREA, REPUBLIC OF       | CID002605 |
| <b>Gold</b> | SAAMP                                      | FRANCE                   | CID002761 |
| <b>Gold</b> | Modeltech Sdn Bhd                          | MALAYSIA                 | CID002857 |
| <b>Gold</b> | The Refinery of Shandong Gold Mining Co.   | CHINA                    | CID001916 |
| <b>Gold</b> | Tokuriki Honten Co., Ltd.                  | JAPAN                    | CID001938 |
| <b>Gold</b> | Torecom                                    | KOREA, REPUBLIC OF       | CID001955 |
| <b>Gold</b> | Tongling Nonferrous Metals Group Co.,      | CHINA                    | CID001947 |
| <b>Gold</b> | Tony Goetz NV                              | BELGIUM                  | CID002587 |
| <b>Gold</b> | Umicore Brasil Ltda.                       | BRAZIL                   | CID001977 |
| <b>Gold</b> | Umicore S.A. Business Unit Precious Metals | BELGIUM                  | CID001980 |
| <b>Gold</b> | United Precious Metal Refining, Inc.       | UNITED STATES OF AMERICA | CID001993 |
| <b>Gold</b> | Valcambi S.A.                              | SWITZERLAND              | CID002003 |
| <b>Gold</b> | Western Australian Mint aka The Perth Mint | AUSTRALIA                | CID002030 |
| <b>Gold</b> | Zhongyuan Gold Smelter of Zhongjin Gold    | CHINA                    | CID002224 |
| <b>Gold</b> | Umicore Precious Metals Thailand           | THAILAND                 | CID002314 |
| <b>Gold</b> | Yamakin Co., Ltd.                          | JAPAN                    | CID002100 |
| <b>Gold</b> | Yokohama Metal Co., Ltd.                   | JAPAN                    | CID002129 |
| <b>Gold</b> | WIELAND Edelmetalle GmbH                   | GERMANY                  | CID002778 |
| <b>Gold</b> | Yunnan Copper Industry Co., Ltd.           | CHINA                    | CID000197 |
| <b>Gold</b> | Aida Chemical Industries Co., Ltd.         | JAPAN                    | CID000019 |
| <b>Gold</b> | Allgemeine Gold-und Silberscheideanstalt   | GERMANY                  | CID000035 |
| <b>Gold</b> | AngloGold Ashanti Corrego do Sitio         | BRAZIL                   | CID000058 |
| <b>Gold</b> | Argor-Heraeus S.A.                         | SWITZERLAND              | CID000077 |
| <b>Gold</b> | Asahi Pretec Corp.                         | JAPAN                    | CID000082 |
| <b>Gold</b> | C. Hafner GmbH + Co. KG                    | GERMANY                  | CID000176 |
| <b>Gold</b> | CCR Refinery - Glencore Canada             | CANADA                   | CID000185 |
| <b>Gold</b> | Chimet S.p.A.                              | ITALY                    | CID000233 |
| <b>Gold</b> | DODUCO Contacts and Refining GmbH          | GERMANY                  | CID000362 |
| <b>Gold</b> | Elemental Refining, LLC                    | UNITED STATES OF AMERICA | CID001322 |
| <b>Gold</b> | Almalyk Mining and Metallurgical Complex   | UZBEKISTAN               | CID000041 |
| <b>Gold</b> | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.   | TURKEY                   | CID000103 |
| <b>Gold</b> | Aurubis AG                                 | GERMANY                  | CID000113 |
| <b>Gold</b> | Bangko Sentral ng Pilipinas (Central Bank) | PHILIPPINES              | CID000128 |
| <b>Gold</b> | Boliden AB                                 | SWEDEN                   | CID000157 |
| <b>Gold</b> | Caridad                                    | MEXICO                   | CID000180 |



|          |   |                          |           |
|----------|---|--------------------------|-----------|
| Gold     | Cendres + Metaux S.A.                       | SWITZERLAND              | CID000189 |
| Gold     | Chugai Mining                               | JAPAN                    | CID000264 |
| Gold     | Daye Non-Ferrous Metals Mining Ltd.         | CHINA                    | CID000343 |
| Gold     | DSC (Do Sung Corporation)                   | KOREA, REPUBLIC OF       | CID000359 |
| Gold     | Dowa  | JAPAN                    | CID000401 |
| Gold     | Eco-System Recycling Co., Ltd.              | JAPAN                    | CID000425 |
| Gold     | Asaka Riken Co., Ltd.                       | JAPAN                    | CID000090 |
| Gold     | Asahi Refining USA Inc.                     | UNITED STATES OF AMERICA | CID000920 |
| Gold     | Asahi Refining Canada Ltd.                  | CANADA                   | CID000924 |
| Gold     | Advanced Chemical Company                   | UNITED STATES OF AMERICA | CID000015 |
| Gold     | Emirates Gold DMCC                          | UNITED ARAB EMIRATES     | CID002561 |
| Gold     | Daejin Indus Co., Ltd.                      | KOREA, REPUBLIC OF       | CID000328 |
| Gold     | Geib Refining Corporation                   | UNITED STATES OF AMERICA | CID002459 |
| Gold     | Fidelity Printers and Refiners Ltd.         | ZIMBABWE                 | CID002515 |
| Gold     | Al Etihad Gold LLC                          | UNITED ARAB EMIRATES     | CID002560 |
| Gold     | Bangalore Refinery                          | INDIA                    | CID002863 |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.    | CHINA                    | CID000616 |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd. | CHINA                    | CID000914 |
| Tantalum | LSM Brasil S.A.                             | BRAZIL                   | CID001076 |
| Tantalum | Mineracao Taboca S.A.                       | BRAZIL                   | CID001175 |
| Tantalum | NPM Silmet AS                               | ESTONIA                  | CID001200 |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.  | CHINA                    | CID001277 |
| Tantalum | Solikamsk Magnesium Works OAO               | RUSSIAN FEDERATION       | CID001769 |
| Tantalum | Taki Chemical Co., Ltd.                     | JAPAN                    | CID001869 |
| Tantalum | Hengyang King Xing Lifeng New Materials     | CHINA                    | CID002492 |
| Tantalum | Resind Industria e Comercio Ltda.           | BRAZIL                   | CID002707 |
| Tantalum | Guangdong Rising Rare Metals-EO             | CHINA                    | CID000291 |
| Tantalum | H.C. Starck Co., Ltd.                       | THAILAND                 | CID002544 |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH       | GERMANY                  | CID002545 |
| Tantalum | H.C. Starck Inc.                            | UNITED STATES OF AMERICA | CID002548 |
| Tantalum | H.C. Starck Ltd.                            | JAPAN                    | CID002549 |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG          | GERMANY                  | CID002550 |
| Tantalum | Jiujiang Nonferrous Metals Smelting Co      | CHINA                    | CID000917 |
| Tantalum | KEMET Blue Metals                           | MEXICO                   | CID002539 |
| Tantalum | KEMET Blue Powder                           | UNITED STATES OF AMERICA | CID002568 |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.        | JAPAN                    | CID001192 |
| Tantalum | QuantumClean                                | UNITED STATES OF AMERICA | CID001508 |
| Tantalum | H.C. Starck Hermsdorf GmbH                  | GERMANY                  | CID002547 |
| Tantalum | King-Tan Tantalum Industry Ltd.             | CHINA                    | CID000973 |
| Tantalum | Metallurgical Products India Pvt., Ltd.     | INDIA                    | CID001163 |

|                 |   |                          |           |
|-----------------|---|--------------------------|-----------|
| <b>Tantalum</b> | RFH Tantalum Smeltery Co., Ltd./Yanling   | CHINA                    | CID001522 |
| <b>Tantalum</b> | Jiujiang Zhongao Tantalum & Niobium Co.,  | CHINA                    | CID002506 |
| <b>Tantalum</b> | Jiangxi Dinghai Tantalum & Niobium Co.,   | CHINA                    | CID002512 |
| <b>Tantalum</b> | Telex Metals                              | UNITED STATES OF AMERICA | CID001891 |
| <b>Tantalum</b> | Ulba Metallurgical Plant JSC              | KAZAKHSTAN               | CID001969 |
| <b>Tantalum</b> | Yichun Jin Yang Rare Metal Co., Ltd.      | CHINA                    | CID002307 |
| <b>Tantalum</b> | XinXing HaoRong Electronic Material Co.,  | CHINA                    | CID002508 |
| <b>Tantalum</b> | Duoluoshan                                | CHINA                    | CID000410 |
| <b>Tantalum</b> | F&X Electro-Materials Ltd.                | CHINA                    | CID000460 |
| <b>Tantalum</b> | Global Advanced Metals Boyertown          | UNITED STATES OF AMERICA | CID002557 |
| <b>Tantalum</b> | Changsha South Tantalum Niobium Co.,      | CHINA                    | CID000211 |
| <b>Tantalum</b> | Exotech Inc.                              | UNITED STATES OF AMERICA | CID000456 |
| <b>Tantalum</b> | Global Advanced Metals Aizu               | JAPAN                    | CID002558 |
| <b>Tantalum</b> | D Block Metals, LLC                       | UNITED STATES OF AMERICA | CID002504 |
| <b>Tantalum</b> | FIR Metals & Resource Ltd.                | CHINA                    | CID002505 |
| <b>Tin</b>      | PT Timah (Persero) Tbk Mentok             | INDONESIA                | CID001482 |
| <b>Tin</b>      | Malaysia Smelting Corporation (MSC)       | MALAYSIA                 | CID001105 |
| <b>Tin</b>      | Jiangxi Ketai Advanced Material Co., Ltd. | CHINA                    | CID000244 |
| <b>Tin</b>      | PT Aries Kencana Sejahtera                | INDONESIA                | CID000309 |
| <b>Tin</b>      | O.M. Manufacturing (Thailand) Co., Ltd.   | THAILAND                 | CID001314 |
| <b>Tin</b>      | Operaciones Metalurgical S.A.             | BOLIVIA                  | CID001337 |
| <b>Tin</b>      | PT Mitra Stania Prima                     | INDONESIA                | CID001453 |
| <b>Tin</b>      | PT Panca Mega Persada                     | INDONESIA                | CID001457 |
| <b>Tin</b>      | PT Refined Bangka Tin                     | INDONESIA                | CID001460 |
| <b>Tin</b>      | PT Timah (Persero) Tbk Kundur             | INDONESIA                | CID001477 |
| <b>Tin</b>      | Soft Metais Ltda.                         | BRAZIL                   | CID001758 |
| <b>Tin</b>      | Magnu's Minerai's Metais e Ligas Ltda.    | BRAZIL                   | CID002468 |
| <b>Tin</b>      | O.M. Manufacturing Philippines, Inc.      | PHILIPPINES              | CID002517 |
| <b>Tin</b>      | PT Inti Stania Prima                      | INDONESIA                | CID002530 |
| <b>Tin</b>      | Metallo Belgium N.V.                      | BELGIUM                  | CID002773 |
| <b>Tin</b>      | Metallo Spain S.L.U.                      | SPAIN                    | CID002774 |
| <b>Tin</b>      | PT Sukses Inti Makmur                     | INDONESIA                | CID002816 |
| <b>Tin</b>      | Metallic Resources, Inc.                  | UNITED STATES OF AMERICA | CID001142 |
| <b>Tin</b>      | Minsur                                    | PERU                     | CID001182 |
| <b>Tin</b>      | Nghe Tinh Non-Ferrous Metals Joint Stock  | VIET NAM                 | CID002573 |
| <b>Tin</b>      | PT Artha Cipta Langgeng                   | INDONESIA                | CID001399 |
| <b>Tin</b>      | PT ATD Makmur Mandiri Jaya                | INDONESIA                | CID002503 |
| <b>Tin</b>      | PT Babel Inti Perkasa                     | INDONESIA                | CID001402 |
| <b>Tin</b>      | PT Bangka Prima Tin                       | INDONESIA                | CID002776 |
| <b>Tin</b>      | PT Bangka Tin Industry                    | INDONESIA                | CID001419 |

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|-----|--|--------------------------|-----------|
| Tin | PT Belitung Industri Sejahtera             | INDONESIA                | CID001421 |
| Tin | PT Bukit Timah                             | INDONESIA                | CID001428 |
| Tin | PT DS Jaya Abadi                           | INDONESIA                | CID001434 |
| Tin | PT Eunindo Usaha Mandiri                   | INDONESIA                | CID001438 |
| Tin | PT Karimun Mining                          | INDONESIA                | CID001448 |
| Tin | PT Prima Timah Utama                       | INDONESIA                | CID001458 |
| Tin | PT Sariwiguna Binasentosa                  | INDONESIA                | CID001463 |
| Tin | PT Stanindo Inti Perkasa                   | INDONESIA                | CID001468 |
| Tin | PT Sumber Jaya Indah                       | INDONESIA                | CID001471 |
| Tin | PT Tinindo Inter Nusa                      | INDONESIA                | CID001490 |
| Tin | Rui Da Hung                                | TAIWAN                   | CID001539 |
| Tin | Melt Metais e Ligas S.A.                   | BRAZIL                   | CID002500 |
| Tin | HuiChang Hill Tin Industry Co., Ltd.       | CHINA                    | CID002844 |
| Tin | PT Kijang Jaya Mandiri                     | INDONESIA                | CID002829 |
| Tin | PT Tommy Utama                             | INDONESIA                | CID001493 |
| Tin | Huichang Jinshunda Tin Co., Ltd.           | CHINA                    | CID000760 |
| Tin | Nankang Nanshan Tin Manufactory Co.,       | CHINA                    | CID001231 |
| Tin | PT O.M. Indonesia                          | INDONESIA                | CID002757 |
| Tin | Guanyang Guida Nonferrous Metal            | CHINA                    | CID002849 |
| Tin | Mineracao Taboca S.A.                      | BRAZIL                   | CID001173 |
| Tin | Thaisarco                                  | THAILAND                 | CID001898 |
| Tin | White Solder Metalurgia e Mineracao Ltda.  | BRAZIL                   | CID002036 |
| Tin | Yunnan Tin Company Limited                 | CHINA                    | CID002180 |
| Tin | Yunnan Chengfeng Non-ferrous Metals        | CHINA                    | CID002158 |
| Tin | Tuyen Quang Non-Ferrous Metals Joint       | VIET NAM                 | CID002574 |
| Tin | CV United Smelting                         | INDONESIA                | CID000315 |
| Tin | EM Vinto                                   | BOLIVIA                  | CID000438 |
| Tin | CV Ayi Jaya                                | INDONESIA                | CID002570 |
| Tin | Alpha                                      | UNITED STATES OF AMERICA | CID000292 |
| Tin | China Tin Group Co., Ltd.                  | CHINA                    | CID001070 |
| Tin | CV Serumpun Sebalai                        | INDONESIA                | CID000313 |
| Tin | Dowa                                       | JAPAN                    | CID000402 |
| Tin | Estanho de Rondonia S.A.                   | BRAZIL                   | CID000448 |
| Tin | Fenix Metals                               | POLAND                   | CID000468 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co.,  | CHINA                    | CID001908 |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd. | CHINA                    | CID000555 |
| Tin | Gejiu Kai Meng Industry and Trade LLC      | CHINA                    | CID000942 |
| Tin | Gejiu Non-Ferrous Metal Processing Co.,    | CHINA                    | CID000538 |
| Tin | CV Gita Pesona                             | INDONESIA                | CID000306 |
| Tin | CV Venus Inti Perkasa                      | INDONESIA                | CID002455 |

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|-----------------|---|--------------------------|-----------|
| <b>Tin</b>      | An Vinh Joint Stock Mineral Processing  | VIET NAM                 | CID002703 |
| <b>Tin</b>      | Chenzhou Yunxiang Mining and Metallurgy                                       | CHINA                    | CID000228 |
| <b>Tin</b>      | CV Dua Sekawan  | INDONESIA                | CID002592 |
| <b>Tin</b>      | CV Tiga Sekawan   | INDONESIA                | CID002593 |
| <b>Tin</b>      | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock | VIET NAM                 | CID002572 |
| <b>Tin</b>      | CNMC (Guangxi) PGMA Co., Ltd.   | CHINA                    | CID000278 |
| <b>Tin</b>      | Gejiu Fengming Metallurgy Chemical Plant                                      | CHINA                    | CID002848 |
| <b>Tungsten</b> | Gejiu Jinye Mineral Company   | CHINA                    | CID002859 |
| <b>Tungsten</b> | Kennametal Huntsville   | UNITED STATES OF AMERICA | CID000105 |
| <b>Tungsten</b> | Guangdong Xianglu Tungsten Co., Ltd.  | CHINA                    | CID000218 |
| <b>Tungsten</b> | Hunan Chunchang Nonferrous Metals Co.,  | CHINA                    | CID000769 |
| <b>Tungsten</b> | Japan New Metals Co., Ltd.  | JAPAN                    | CID000825 |
| <b>Tungsten</b> | Kennametal Fallon   | UNITED STATES OF AMERICA | CID000966 |
| <b>Tungsten</b> | Jiangxi Xincheng Tungsten Industry Co.,                                       | CHINA                    | CID002317 |
| <b>Tungsten</b> | Jiangxi Gan Bei Tungsten Co., Ltd.  | CHINA                    | CID002321 |
| <b>Tungsten</b> | H.C. Starck Tungsten GmbH   | GERMANY                  | CID002541 |
| <b>Tungsten</b> | H.C. Starck Smelting GmbH & Co. KG  | GERMANY                  | CID002542 |
| <b>Tungsten</b> | Nui Phao H.C. Starck Tungsten Chemicals                                       | VIET NAM                 | CID002543 |
| <b>Tungsten</b> | Jiangwu H.C. Starck Tungsten Products Co.,                                    | CHINA                    | CID002551 |
| <b>Tungsten</b> | Niagara Refining LLC  | UNITED STATES OF AMERICA | CID002589 |
| <b>Tungsten</b> | Hydrometallurg, JSC   | RUSSIAN FEDERATION       | CID002649 |
| <b>Tungsten</b> | Jiangxi Yaosheng Tungsten Co., Ltd.   | CHINA                    | CID002316 |
| <b>Tungsten</b> | Jiangxi Tonggu Non-ferrous Metallurgical                                      | CHINA                    | CID002318 |
| <b>Tungsten</b> | Malipo Haiyu Tungsten Co., Ltd.   | CHINA                    | CID002319 |
| <b>Tungsten</b> | Jiangxi Xiushui Xianggan Nonferrous Metals                                    | CHINA                    | CID002535 |
| <b>Tungsten</b> | Hunan Chuangda Vanadium Tungsten Co.,   | CHINA                    | CID002579 |
| <b>Tungsten</b> | Moliren Ltd.  | RUSSIAN FEDERATION       | CID002845 |
| <b>Tungsten</b> | Philippine Chuangxin Industrial Co., Inc.                                     | PHILIPPINES              | CID002827 |
| <b>Tungsten</b> | Jiangxi Minmetals Gao'an Non-ferrous  | CHINA                    | CID002313 |
| <b>Tungsten</b> | Jiangxi Dayu Longxintai Tungsten Co., Ltd.                                    | CHINA                    | CID002647 |
| <b>Tungsten</b> | Tejing (Vietnam) Tungsten Co., Ltd.   | VIET NAM                 | CID001889 |
| <b>Tungsten</b> | Vietnam Youngsun Tungsten Industry Co., Ltd.                                  | VIET NAM                 | CID002011 |
| <b>Tungsten</b> | Wolfram Bergbau und Hutten AG   | AUSTRIA                  | CID002044 |
| <b>Tungsten</b> | Xiamen Tungsten Co., Ltd.   | CHINA                    | CID002082 |
| <b>Tungsten</b> | Xiamen Tungsten (H.C.) Co., Ltd.  | CHINA                    | CID002320 |
| <b>Tungsten</b> | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                                     | CHINA                    | CID002095 |
| <b>Tungsten</b> | A.L.M.T. TUNGSTEN Corp.   | JAPAN                    | CID000004 |
| <b>Tungsten</b> | Chongyi Zhangyuan Tungsten Co., Ltd.  | CHINA                    | CID000258 |

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|-----------------|--|--------------------------|-----------|
| <b>Tungsten</b> | Fujian Jinxin Tungsten Co., Ltd.             | CHINA                    | CID000499 |
| <b>Tungsten</b> | Global Tungsten & Powders Corp.              | UNITED STATES OF AMERICA | CID000568 |
| <b>Tungsten</b> | Ganzhou Seadragon W & Mo Co., Ltd.           | CHINA                    | CID002494 |
| <b>Tungsten</b> | Chenzhou Diamond Tungsten Products Co., Ltd. | CHINA                    | CID002513 |
| <b>Tungsten</b> | Ganzhou Huaxing Tungsten Products Co., Ltd.  | CHINA                    | CID000875 |
| <b>Tungsten</b> | Ganzhou Jiangwu Ferrotungsten Co., Ltd.      | CHINA                    | CID002315 |
| <b>Tungsten</b> | Asia Tungsten Products Vietnam Ltd.          | VIET NAM                 | CID002502 |
| <b>Tungsten</b> | Ganzhou Yatai Tungsten Co., Ltd.             | CHINA                    | CID002536 |
| <b>Tungsten</b> | ACL Metais Eireli                            | BRAZIL                   | CID002833 |

This is the end of the Gigabyte Section.

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HGST is now part of Western Digital and will be included in the WD section.

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Intel responded that their own analysis of 277 suppliers identified 257 operating smelters and they had reason to believe that 42 of the 257 may have originated in the covered countries and may not be solely from scrap or recycled sources. Intel responded YES to all 4 questions and even though they had identified some covered countries, they stated that the majority (92%) of those listed were due to a firm they had recently acquired and as such, they were in process of “cleaning” up their supply chain and it would take at least a year or two.

Intel’s specific data is below:

*For 2019, Intel conducted a supply chain survey of 282 suppliers that we identified may contribute necessary conflict minerals to our products. The results of our RCOI as of March 1, 2020 are as follows:*

- *98% of surveyed suppliers provided a CMRT in response to our supply chain survey request.*
- *The surveyed suppliers identified 257 operational smelter and refiner facilities which may process the necessary conflict minerals contained in the products provided to us.*
- *We know or have reason to believe that a portion of the conflict minerals processed by 42 of these 257 smelters and refiners may have originated in the Covered Countries and may not be solely from recycled or scrap sources.*

*This data includes suppliers to Mobileye, a company Intel acquired in 2017. Mobileye conflict mineral due diligence efforts are completely incorporated into our responsible minerals program. Of the 282 surveyed suppliers, 53 were suppliers to Mobileye that were not otherwise part of the Intel supply chain (“Mobileye-unique” suppliers). As of March 1, 2020, 49 of the 53 Mobileye-unique suppliers, approximately 89%, had provided a CMRT in response to our supply chain survey request (compared with 68% in the previous year’s Report). The information provided by those suppliers is included in the results of our RCOI and the Results of our Due Diligence Measures below. Our response rate for Mobileye-unique suppliers has improved since last year, but is not meeting the overall goal that Intel expects from its supply chain (excluding Mobileye unique suppliers, our supplier response rate was 100%). Intel’s supplier due diligence with these remaining suppliers is ongoing and we are continuing work on our escalation paths to increase the response rate.*

**Conclusion Based on Reasonable Country of Origin Inquiry**

We have concluded in good faith that during 2019:

a) Intel manufactured and contracted with others to manufacture products as to which conflict minerals are necessary to the functionality or production of our products.

b) Based on our RCOI, we know or have reason to believe that a portion of the necessary conflict minerals contained in our products originated or may have originated in the Covered Countries and know or have reason to believe that those necessary conflict minerals may not be solely from recycled or scrap sources.

As a result of the above conclusion and pursuant to the Rule, we undertook due diligence measures on the source and chain of custody of the necessary conflict minerals in our products which we had reason to believe may have originated from the Covered Countries and which may not have come from recycled or scrap sources. There is significant overlap between our RCOI efforts and our due diligence measures performed.

#### ***Inherent Limitations on Due Diligence Measures***

As a downstream purchaser of products which contain conflict minerals, our due diligence measures can provide only reasonable, not absolute, assurance regarding the source and chain of custody of the necessary conflict minerals. Our due diligence processes are based on the necessity of seeking data from our direct suppliers and those suppliers seeking similar information within their supply chains to identify the original sources of the necessary conflict minerals. We also rely, to a large extent, on information collected and provided by responsible mineral sourcing validation programs. Such sources of information, as well as our smelters and refiner facility visits and publicly available sources, may yield inaccurate or incomplete information and may be subject to fraud.

Another complicating factor is the unavailability of country of origin and chain of custody information from our suppliers on a continuous, real-time basis. The supply chain of commodities such as conflict minerals is a multi-step process operating more or less on a daily basis, with ore being delivered to smelters and refiners, with smelters and refiners smelting or refining ores into metal containing derivatives such as ingots, with the derivatives being shipped, sold and stored in numerous market locations around the world and with distributors and purchasers holding varying amounts of the derivatives in inventory for use. Since we do not have direct contractual relationships with smelters and refiners, we rely on our direct suppliers and the entire supply chain to gather and provide specific information about the date when the ore is smelted into a derivative and later shipped, stored, sold and first entered the stream of commerce. We directly seek sourcing data on a periodic basis from our direct suppliers as well as certain smelters and refiners. We ask that the data cover the entire reporting year, and we seek to use contract provisions requiring the suppliers to promptly update us in the event that the sourcing data changes.

#### ***Smelter and Refiner Due Diligence Results***

As a result of the supply chain survey, our surveyed suppliers identified an aggregate of 257 operational smelter and refiner facilities which may process the necessary conflict minerals contained in the products these surveyed suppliers provided to Intel.

Intel conducted due diligence on these smelters and refiners. Our due diligence activities are dominated by a continual process to determine and monitor whether the identified smelters and refiners are operational and therefore may contribute necessary conflict minerals to our final products, and whether they are conformant to a responsible mineral sourcing validation program or have begun participating in such a program. We also sought reliable information on the source and chain of custody of the conflict minerals processed by such facilities, including from publicly available sources, with the goal to determine if any of these facilities processed conflict minerals that may have originated from the Covered Countries and may not be solely from recycled or scrap sources.

If a smelter or refiner in our supply chain was not yet conformant to a responsible mineral sourcing validation program or had not yet begun participating in such a program, Intel and other RMI member companies proactively attempted to contact such facilities to request country of origin information for the conflict minerals the facilities processed, as well as to encourage and assist their participation in a responsible mineral sourcing validation program and, in some cases, visited such facilities on-site. We monitored and tracked smelters and refiners which we identified as not being conformant to a responsible mineral sourcing validation program or not having begun participating in such a program.

During this reporting year, we identified 26 smelter and refiner facilities that were not conformant to a responsible mineral sourcing validation program. These facilities were the focus of our smelter and refiner due diligence activities for this reporting period and, as a result of our activities, we reasonably concluded that as of March 1, 2020:

- 12 of these 26 smelter and refiner facilities had later become conformant to a responsible mineral sourcing program.
- 4 of these 26 smelter and refiner facilities have begun participating in a responsible mineral sourcing validation program but are not yet conformant. Intel has performed due diligence on these 4 smelters and has reasonably concluded that they do not process conflict minerals originating from the Covered Countries.
- The remaining 10 of these 26 smelter and refiner facilities do not process conflict minerals which originated from the Covered Countries (referred to below as “Intel Validated”).

As result of our due diligence activities summarized above, we determined the following as of March 1, 2020:

- All 257 smelters and refiners identified by our surveyed suppliers were either conformant to a responsible

Mineral sourcing validation program, have begun participating in such a program, or are facilities that, based on our own due diligence activities, we have reasonably concluded do not process conflict minerals which originated from the Covered Countries.

- All 42 smelters and refiners which we know or have reason to believe may source conflict minerals from the Covered Countries which may not be solely from recycled or scrap sources are conformant to a responsible mineral sourcing validation program.
- We have no reason to believe that any of the 257 smelter and refiner facilities directly or indirectly finance or benefit armed groups in the Covered Countries.

The table below lists the facilities which, to the extent known, processed the necessary conflict minerals in our products based on responses received from our surveyed suppliers as of March 1, 2020. Intel conducts no direct transactions and has no contractual relationship with these smelter and refiner facilities nor their sources of ore:

| <u>Metal</u> | <u>Smelter or Refinery Facility Name†</u>        | <u>Country‡</u>          |
|--------------|--|--------------------------|
| Gold         | Advanced Chemical Company*                       | United States of America |
| Gold         | Aida Chemical Industries Co., Ltd.*              | Japan                    |
| Gold         | Al Etihad Gold Refinery DMCC*                    | United Arab Emirates     |
| Gold         | Allgemeine Gold-und Silberscheideanstalt A.G.*   | Germany                  |
| Gold         | Almalyk Mining and Metallurgical Complex (AMMC)* | Uzbekistan               |
| Gold         | AngloGold Ashanti Corrego do Sitio Mineracao*    | Brazil                   |
| Gold         | Argon-Heraeus S.A.*                              | Switzerland              |
| Gold         | Asahi Pretec Corp.*                              | Japan                    |
| Gold         | Asahi Refining Canada Ltd.*                      | Canada                   |
| Gold         | Asahi Refining USA Inc.*                         | United States of America |
| Gold         | Asaka Riken Co., Ltd.*                           | Japan                    |
| Gold         | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.         | Turkey                   |
| Gold         | AU Traders and Refiners*                         | South Africa             |
| Gold         | Aurubis AG*                                      | Germany                  |
| Gold         | Bangalore Refinery**                             | India                    |

| <u>Metal</u> | <u>Smelter or Refinery Facility Name†</u>                        | <u>Country‡</u>          |
|--------------|--|--------------------------|
| Gold         | Bangko Sentral ng Pilipinas (Central Bank of the Philippines)*   | Philippines              |
| Gold         | Boliden AB*  | Sweden                   |
| Gold         | C. Hafner GmbH + Co. KG*   | Germany                  |
| Gold         | Caridad  | Mexico                   |
| Gold         | CCR Refinery - Glencore Canada Corporation*                      | Canada                   |
| Gold         | Cendres + Metaux S.A.*   | Switzerland              |
| Gold         | Chimet S.p.A.*   | Italy                    |
| Gold         | Chugai Mining**  | Japan                    |
| Gold         | Daejin Indus Co., Ltd.*  | Korea, Republic of       |
| Gold         | Daye Non-Ferrous Metals Mining Ltd.*                             | China                    |
| Gold         | DODUCO Contacts and Refining GmbH*                               | Germany                  |
| Gold         | Dowa*  | Japan                    |
| Gold         | DSC (Do Sung Corporation)*                                       | Korea, Republic of       |
| Gold         | Eco-System Recycling Co., Ltd.*                                  | Japan                    |
| Gold         | Emirates Gold DMCC*  | United Arab Emirates     |
| Gold         | GCC Gujrat Gold Centre Pvt. Ltd.                                 | India                    |
| Gold         | Geib Refining Corporation*                                       | United States Of America |
| Gold         | Gold Refinery of Zijin Mining Group Co., Ltd.*                   | China                    |
| Gold         | Great Wall Precious Metals Co., Ltd. of CBPM*                    | China                    |
| Gold         | HeeSung Metal Ltd.*  | Korea, Republic of       |
| Gold         | Heimerle + Meule GmbH*   | Germany                  |
| Gold         | Heraeus Metals Hong Kong Ltd.*                                   | China                    |
| Gold         | Heraeus Precious Metals GmbH & Co. KG*                           | Germany                  |
| Gold         | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.* | China                    |
| Gold         | Ishifuku Metal Industry Co., Ltd.*                               | Japan                    |
| Gold         | Istanbul Gold Refinery*  | Turkey                   |
| Gold         | Italpreziosi*  | Italy                    |
| Gold         | Japan Mint*  | Japan                    |
| Gold         | Jiangxi Copper Co., Ltd.*  | China                    |
| Gold         | JSC Uralselctromed*  | Russian Federation       |
| Gold         | JX Nippon Mining & Metals Co., Ltd.*                             | Japan                    |
| Gold         | Kazakhmys Smelting LLC   | Kazakhstan               |
| Gold         | Kazzinc*   | Kazakhstan               |
| Gold         | Kennecott Utah Copper LLC*                                       | United States of America |
| Gold         | KGHM Polska Miedz Spolka Akcyjna                                 | Poland                   |

| <b>Metal</b> | <b>Smelter or Refinery Facility Name*</b>                                    | <b>Country†</b>          |
|--------------|--|--------------------------|
| Gold         | Metalor Technologies (Suzhou) Ltd.*  | China                    |
| Gold         | Metalor Technologies S.A.*   | Switzerland              |
| Gold         | Metalor USA Refining Corporation*  | United States of America |
| Gold         | Metalurgica Met-Mex Penoles S.A. De C.V.*                                    | Mexico                   |
| Gold         | Mitsubishi Materials Corporation*  | Japan                    |
| Gold         | Mitsui Mining and Smelting Co., Ltd.*  | Japan                    |
| Gold         | MMTC-PAMP India Pvt., Ltd.*  | India                    |
| Gold         | Modeltech Sdn Bhd  | Malaysia                 |
| Gold         | Moscow Special Alloys Processing Plant*                                      | Russian Federation       |
| Gold         | Nadir Metal Rafineri San. Ve Tic. A.S.*                                      | Turkey                   |
| Gold         | Navoi Mining and Metallurgical Combinat*                                     | Uzbekistan               |
| Gold         | Nihon Material Co., Ltd.*  | Japan                    |
| Gold         | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH*                 | Austria                  |
| Gold         | Ohura Precious Metal Industry Co., Ltd.*                                     | Japan                    |
| Gold         | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)* | Russian Federation       |
| Gold         | OJSC Novosibirsk Refinery*   | Russian Federation       |
| Gold         | PAMP S.A.*   | Switzerland              |
| Gold         | Penglai Penggang Gold Industry Co., Ltd.                                     | China                    |
| Gold         | Planta Recuperadora de Metales SpA*  | Chile                    |
| Gold         | Pricksky Plant of Non-Ferrous Metals*  | Russian Federation       |
| Gold         | PT Aneka Tambang (Persero) Tbk*  | Indonesia                |
| Gold         | PX Precinox S.A.*  | Switzerland              |
| Gold         | Rand Refinery (Pty) Ltd.*  | South Africa             |
| Gold         | REMONDIS PMR B.V.*   | Netherlands              |
| Gold         | Royal Canadian Mint*   | Canada                   |
| Gold         | SAAMP*   | France                   |
| Gold         | Sabin Metal Corp.  | United States of America |
| Gold         | Safimet S.p.A*   | Italy                    |
| Gold         | Samduck Precious Metals*   | Korea, Republic of       |
| Gold         | SAXONIA Edelmetalle GmbH*  | Germany                  |
| Gold         | SEMPSA Joyeria Plateria S.A.*  | Spain                    |
| Gold         | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.*                           | China                    |
| Gold         | Sichuan Tianze Precious Metals Co., Ltd.*                                    | China                    |
| Gold         | Singway Technology Co., Ltd.*  | Taiwan                   |
| Gold         | SOE Shyolkovsky Factory of Secondary Precious Metals*                        | Russian Federation       |
| Gold         | Solar Applied Materials Technology Corp.*                                    | Taiwan                   |
| Gold         | Sumitomo Metal Mining Co., Ltd.*   | Japan                    |
| Gold         | SungEel HiMetal Co., Ltd.*   | Korea, Republic of       |
| Gold         | T.C.A S.p.A*   | Italy                    |
| Gold         | Tanaka Kikinzoku Kogyo K.K.*   | Japan                    |
| Gold         | The Refinery of Shandong Gold Mining Co., Ltd.*                              | China                    |
| Gold         | Tokuriki Honten Co., Ltd.*   | Japan                    |
| Gold         | TOO Tau-Ken-Altyn  | Kazakhstan               |
| Gold         | Torecom*   | Korea, Republic of       |
| Gold         | Kojima Chemicals Co., Ltd.*  | Japan                    |
| Gold         | Korea Zinc Co., Ltd.*  | Korea, Republic of       |
| Gold         | Kyrgyzaltyn JSC*   | Kyrgyzstan               |
| Gold         | L'Orfebre S.A.*  | Andorra                  |
| Gold         | LS-NIKKO Copper Inc.*  | Korea, Republic of       |
| Gold         | Marsam Metals*   | Brazil                   |
| Gold         | Materion*  | United States of America |
| Gold         | Matsuda Sangyo Co., Ltd.*  | Japan                    |
| Gold         | Metalor Technologies (Hong Kong) Ltd.*                                       | China                    |
| Gold         | Metalor Technologies (Singapore) Pte., Ltd.*                                 | Singapore                |



| <u>Metal</u> | <u>Smelter or Refinery Facility Name†</u>            | <u>Country†</u>          |
|--------------|--|--------------------------|
| Gold         | Umicore Brasil Ltda.*                                | Brazil                   |
| Gold         | Umicore Precious Metals Thailand*                    | Thailand                 |
| Gold         | Umicore S.A. Business Unit Precious Metals Refining* | Belgium                  |
| Gold         | United Precious Metal Refining, Inc.*                | United States of America |
| Gold         | Valcambi S.A.*                                       | Switzerland              |
| Gold         | Western Australian Mint (T/a The Perth Mint)*        | Australia                |
| Gold         | WIELAND Edelmetalle GmbH*                            | Germany                  |
| Gold         | Yamakin Co., Ltd.*                                   | Japan                    |
| Gold         | Yokohama Metal Co., Ltd.*                            | Japan                    |
| Gold         | Zhongyuan Gold Smelter of Zhongjin Gold Corporation* | China                    |
| Tantalum     | Asaka Riken Co., Ltd.*                               | Japan                    |
| Tantalum     | Changsha South Tantalum Niobium Co., Ltd.*           | China                    |
| Tantalum     | D Block Metals, LLC*                                 | United States of America |
| Tantalum     | Exotech Inc.*  | United States of America |
| Tantalum     | F&X Electro-Materials Ltd.*                          | China                    |
| Tantalum     | FIR Metals & Resource Ltd.*                          | China                    |
| Tantalum     | Global Advanced Metals Aizu*                         | Japan                    |
| Tantalum     | Global Advanced Metals Boyertown*                    | United States of America |
| Tantalum     | Guangdong Rising Rare Metals-EO Materials Ltd.*      | China                    |
| Tantalum     | Guangdong Zhiyuan New Material Co., Ltd.*            | China                    |
| Tantalum     | H.C. Starck Co., Ltd.*                               | Thailand                 |
| Tantalum     | H.C. Starck Hermsdorf GmbH*                          | Germany                  |
| Tantalum     | H.C. Starck Inc.*                                    | United States of America |
| Tantalum     | H.C. Starck Ltd.*                                    | Japan                    |
| Tantalum     | H.C. Starck Smelting GmbH & Co. KG*                  | Germany                  |
| Tantalum     | H.C. Starck Tantalum and Niobium GmbH*               | Germany                  |
| Tantalum     | Hengyang King Xing Lifeng New Materials Co., Ltd.*   | China                    |
| Tantalum     | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.*        | China                    |
| Tantalum     | Jiangxi Tuohong New Raw Material*                    | China                    |
| Tantalum     | Jiujiang Janny New Material Co., Ltd.*               | China                    |
| Tantalum     | Jiujiang JinXin Nonferrous Metals Co., Ltd.*         | China                    |
| Tantalum     | Jiujiang Tanbre Co., Ltd.*                           | China                    |
| Tantalum     | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.*       | China                    |
| Tantalum     | KEMET Blue Metals*                                   | Mexico                   |
| Tantalum     | KEMET Blue Powder*                                   | United States of America |
| Tantalum     | LSM Brasil S.A.*                                     | Brazil                   |
| Tantalum     | Metallurgical Products India Pvt., Ltd.*             | India                    |
| Tantalum     | Mineracao Taboca S.A.*                               | Brazil                   |
| Tantalum     | Mitsui Mining and Smelting Co., Ltd.*                | Japan                    |
| Tantalum     | Ningxia Orient Tantalum Industry Co., Ltd.*          | China                    |
| Tantalum     | NPM Silmet AS*                                       | Estonia                  |
| Tantalum     | Power Resources Ltd.*                                | North Macedonia          |
| Tantalum     | QuantumClean*  | United States of America |
| Tantalum     | Resind Industria e Comercio Ltda.*                   | Brazil                   |

| <u>Metal</u> | <u>Smelter or Refinery Facility Name†</u>                                      | <u>Country†</u>          |
|--------------|--|--------------------------|
| Tantalum     | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd.* | China                    |
| Tantalum     | Solikamsk Magnesium Works OAO*   | Russian Federation       |
| Tantalum     | Taki Chemical Co., Ltd.*   | Japan                    |
| Tantalum     | Telex Metals*  | United States of America |
| Tantalum     | Ulba Metallurgical Plant JSC*  | Kazakhstan               |
| Tantalum     | XinXing HaoRong Electronic Material Co., Ltd.*                                 | China                    |
| Tin          | Alpha*   | United States of America |
| Tin          | An Vinh Joint Stock Mineral Processing Company                                 | Vietnam                  |
| Tin          | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.*                             | China                    |
| Tin          | Chifeng Dajingzi Tin Industry Co., Ltd.*                                       | China                    |
| Tin          | China Tin Group Co., Ltd.*   | China                    |
| Tin          | CV Ayi Jaya*   | Indonesia                |
| Tin          | CV Dua Sekawan*  | Indonesia                |
| Tin          | CV Gita Pesona*  | Indonesia                |
| Tin          | CV United Smelting*  | Indonesia                |
| Tin          | CV Venus Inti Perkasa*   | Indonesia                |
| Tin          | Dowa*  | Japan                    |
| Tin          | EM Vinto*  | Bolivia                  |
| Tin          | Estarho de Rondonia S.A.   | Brazil                   |
| Tin          | Fenix Metals*  | Poland                   |
| Tin          | Gejiu Fengming Metallurgy Chemical Plant*                                      | China                    |
| Tin          | Gejiu Kai Meng Industry and Trade LLC*   | China                    |

| <u>Metal</u> | <u>Smelter or Refinery Facility Name†</u>                      | <u>Country†</u>          |
|--------------|--|--------------------------|
| Tin          | PT ATD Makmur Mandiri Jaya*                                    | Indonesia                |
| Tin          | PT Babel Inti Perkasa*   | Indonesia                |
| Tin          | PT Bangka Prima Tin*   | Indonesia                |
| Tin          | PT Bangka Serumpun*  | Indonesia                |
| Tin          | PT Bangka Tin Industry*  | Indonesia                |
| Tin          | PT Belitung Industri Sejahtera*                                | Indonesia                |
| Tin          | PT Bukit Timah*  | Indonesia                |
| Tin          | PT DS Jaya Abadi*  | Indonesia                |
| Tin          | PT Inti Stania Prima*  | Indonesia                |
| Tin          | PT Karimun Mining*   | Indonesia                |
| Tin          | PT Kijang Jaya Mandiri*  | Indonesia                |
| Tin          | PT Menara Cipta Mulia*   | Indonesia                |
| Tin          | PT Mitra Stania Prima*   | Indonesia                |
| Tin          | PT Panca Mega Persada*   | Indonesia                |
| Tin          | PT Premium Tin Indonesia*                                      | Indonesia                |
| Tin          | PT Prima Timah Utama*  | Indonesia                |
| Tin          | PT Rajehan Ariq*   | Indonesia                |
| Tin          | PT Refined Bangka Tin*   | Indonesia                |
| Tin          | PT Sariwiguna Binasentosa*                                     | Indonesia                |
| Tin          | PT Stanindo Inti Perkasa*                                      | Indonesia                |
| Tin          | PT Sukses Inti Makmur*   | Indonesia                |
| Tin          | PT Sumber Jaya Indah*  | Indonesia                |
| Tin          | PT Timah Tbk Kundur*   | Indonesia                |
| Tin          | PT Timah Tbk Mentok*   | Indonesia                |
| Tin          | PT Tinindo Inter Nusa*   | Indonesia                |
| Tin          | PT Tommy Utama*  | Indonesia                |
| Tin          | Resind Industria e Comercio Ltda.*                             | Brazil                   |
| Tin          | Rui Da Hung*   | Taiwan                   |
| Tin          | Soft Metals Ltda.*   | Brazil                   |
| Tin          | Thalsarco*   | Thailand                 |
| Tin          | White Solder Metalurgia e Mineracao Ltda.*                     | Brazil                   |
| Tin          | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.*                 | China                    |
| Tin          | Yunnan Tin Company Limited*                                    | China                    |
| Tungsten     | A.L.M.T. Corp.*  | Japan                    |
| Tungsten     | Chenzhou Diamond Tungsten Products Co., Ltd.*                  | China                    |
| Tungsten     | Chongyi Zhangyuan Tungsten Co., Ltd.*                          | China                    |
| Tungsten     | Fujian Jinxin Tungsten Co., Ltd.*                              | China                    |
| Tungsten     | Ganzhou Haichuang Tungsten Co., Ltd.*                          | China                    |
| Tungsten     | Ganzhou Huaxing Tungsten Products Co., Ltd.*                   | China                    |
| Tungsten     | Ganzhou Seadragon W & Mo Co., Ltd.*                            | China                    |
| Tungsten     | Global Tungsten & Powders Corp.*                               | United States of America |
| Tungsten     | Guangdong Xianglu Tungsten Co., Ltd.*                          | China                    |
| Tungsten     | H.C. Starck Smelting GmbH & Co. KG*                            | Germany                  |
| Tungsten     | H.C. Starck Tungsten GmbH*                                     | Germany                  |
| Tungsten     | Hunan Chenzhou Mining Co., Ltd.*                               | China                    |
| <b>Metal</b> | <b>Smelter or Refinery Facility Name†</b>                      | <b>Country†</b>          |
| Tungsten     | Hunan Chunchang Nonferrous Metals Co., Ltd.*                   | China                    |
| Tungsten     | Hydrometallurg. JSC*   | Russian Federation       |
| Tungsten     | Japan New Metals Co., Ltd.*                                    | Japan                    |
| Tungsten     | Jiangwu H.C. Starck Tungsten Products Co., Ltd.*               | China                    |
| Tungsten     | Jiangxi Gan Bei Tungsten Co., Ltd.*                            | China                    |
| Tungsten     | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.* | China                    |
| Tungsten     | Jiangxi Xinsheng Tungsten Industry Co., Ltd.*                  | China                    |
| Tungsten     | Jiangxi Yaosheng Tungsten Co., Ltd.*                           | China                    |
| Tungsten     | Kennametal Huntsville*   | United States of America |
| Tungsten     | Malipo Haiyu Tungsten Co., Ltd.*                               | China                    |
| Tungsten     | Masan Tungsten Chemical LLC (MTC)*                             | Vietnam                  |
| Tungsten     | Niagara Refining LLC*  | United States of America |
| Tungsten     | Philippine Chuangxin Industrial Co., Inc.*                     | Philippines              |
| Tungsten     | South-East Nonferrous Metal Company Limited of Hengyang City*  | China                    |
| Tungsten     | Tejing (Vietnam) Tungsten Co., Ltd.*                           | Vietnam                  |
| Tungsten     | Wolfram Bergbau und Hutten AG*                                 | Austria                  |
| Tungsten     | Xiamen Tungsten (H.C.) Co., Ltd.*                              | China                    |
| Tungsten     | Xiamen Tungsten Co., Ltd.*                                     | China                    |
| Tungsten     | Xinleng Huanui Tungsten & Molybdenum New Material Co., Ltd.*   | China                    |
| Tungsten     | Xinhai Rendan Shaoguan Tungsten Co., Ltd.*                     | China                    |

## Product Conclusions

For this reporting period, we identified the following products which we manufactured or contracted with others to manufacture that may contain necessary conflict minerals. On the basis of our due diligence measures as described in this Report as of March 1, 2020, we have made the following conclusions in good faith for this reporting period.

Our *Microprocessors, FPGA Products and Chipsets Solely Manufactured by Intel* consisting of Celeron®, Pentium®, Intel® Core™, Intel® Xeon®, Intel® Quark™ and Intel Atom® processors; Intel® Stratix®, Intel® Arria®, and Intel® Cyclone® FPGAs; Intel® MAX® CPLD; Intel® Enpirion® Power Solutions and Mobileye EyeQ\* family of system-on-chip (SoC) devices: All surveyed suppliers which we identified as contributing necessary conflict minerals to these products have identified the smelters and refiners in the supply chain that are the sources of the necessary conflict minerals, and all of these smelters and refiners are conformant to a responsible mineral sourcing validation program. We have therefore reasonably concluded that these necessary conflict minerals did not directly or indirectly finance or benefit armed groups in the Covered Countries based on our due diligence measures performed.

Our *Other Products* consisting of other server products and networking, boards and kits, memory storage products, and other Mobileye products: With the exception of six Mobileye-unique suppliers with whom our due diligence is ongoing as described above, all of the surveyed suppliers which we identified as contributing necessary conflict minerals to these products provided a CMRT in response to our supply chain survey request. Of these surveyed suppliers, 96% were in compliance with our conflict minerals policy or contractual requirements. All of the smelters and refiners identified by these surveyed suppliers were either conformant to a responsible mineral sourcing validation program, have begun participating in such a program, or are facilities that, based on our own due diligence activities, we have reasonably concluded do not process conflict minerals which originated from the Covered Countries. We have no reason to believe the necessary conflict minerals in our *Other Products* directly or indirectly finance or benefit armed groups in the Covered Countries based on our due diligence measures performed.

Our efforts to determine the mine or location of origin of the necessary conflict minerals in all of our products with the greatest possible specificity consisted of the due diligence measures described in this Report. In particular, we relied on the information made available by responsible mineral sourcing validation programs for the smelters and refiners in our supply chain because such programs review and audit whether sufficient evidence exists regarding the mine and/or location of origin of the conflict minerals that the audited smelter or refiner facilities have processed. We also sought source and chain of custody information directly from smelters and refiners and from publicly available sources and, if we determined such information to be reliable, we used the information to make reasonable conclusions on the source and chain of custody of the conflict minerals processed by facilities which were not conformant to or participating in a responsible mineral sourcing validation program.

### **This is the end of the Intel report.**

**HYNIX:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

| # | Metal | Standard Smelter Names                            | Smelter Facility Location : Country | Smelter ID |
|---|-------|---|-------------------------------------|------------|
| 1 | Gold  | Western Australian Mint trading as The Perth Mint | AUSTRALIA                           | 1AUS046    |
| 2 | Gold  | Aida Chemical Industries Co. Ltd.                 | JAPAN                               | 1JPN072    |
| 3 | Gold  | Allgemeine Gold- und Silberscheideanstalt A.G.    | GERMANY                             | 1DEU001    |
| 4 | Gold  | Almalyk Mining and Metallurgical Complex (AMMC)   | UZBEKISTAN                          | 1UZB002    |
| 5 | Gold  | AngloGold Ashanti Mineração Ltda                  | BRAZIL                              | 1BRA003    |
| 6 | Gold  | Argor-Heraeus SA                                  | SWITZERLAND                         | 1CHE004    |
| 7 | Gold  | Asahi Pretec Corporation                          | JAPAN                               | 1JPN005    |
| 8 | Gold  | Asaka Riken Co Ltd                                | JAPAN                               | 1JPN073    |
| 9 | Gold  | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.          | TURKEY                              | 1TUR006    |

|    |      |   |                    |         |
|----|------|---|--------------------|---------|
| 10 | Gold | Aurubis AG  | GERMANY            | 1DEU007 |
| 11 | Gold | Boliden AB  | SWEDEN             | 1SWE009 |
| 12 | Gold | Caridad   | MEXICO             | 1MEX010 |
| 13 | Gold | Cendres & Métaux SA   | SWITZERLAND        | 1CHE011 |
| 14 | Gold | Central Bank of the DPR of Korea                                      | KOREA, REPUBLIC OF | 1KOR012 |
| 15 | Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines)         | PHILIPPINES        | 1PHL008 |
| 16 | Gold | Chimet SpA  | ITALY              | 1ITA013 |
| 17 | Gold | The Refinery of Shandong Gold Mining Co. Ltd                          | CHINA              | 1CHN053 |
| 18 | Gold | Chugai Mining   | JAPAN              | 1JPN078 |
| 19 | Gold | Codelco   | CHILE              | 1CHL014 |
| 20 | Gold | Daejin Indus Co. Ltd  | KOREA, REPUBLIC OF | 1KOR082 |
| 21 | Gold | DaeryongENC   | KOREA, REPUBLIC OF | 1KOR083 |
| 22 | Gold | Do Sung Corporation   | KOREA, REPUBLIC OF | 1KOR084 |
| 23 | Gold | Dowa  | JAPAN              | 1JPN015 |
| 24 | Gold | FSE Novosibirsk Refinery  | RUSSIAN FEDERATION | 1RUS016 |
| 25 | Gold | Heimerle + Meule GmbH   | GERMANY            | 1DEU017 |
| 26 | Gold | Heraeus Precious Metals GmbH & Co. KG                                 | GERMANY            | 1DEU018 |
| 27 | Gold | Heraeus Ltd Hong Kong   | HONG KONG          | 1HKG019 |
| 28 | Gold | Hwasung CJ Co. Ltd  | KOREA, REPUBLIC OF | 1KOR085 |
| 29 | Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Company Limited | CHINA              | 1CHN020 |
| 30 | Gold | Ishifuku Metal Industry Co., Ltd.                                     | JAPAN              | 1JPN021 |
| 31 | Gold | Istanbul Gold Refinery  | TURKEY             | 1TUR069 |
| 32 | Gold | Japan Mint  | JAPAN              | 1JPN022 |
| 33 | Gold | Jiangxi Copper Company Limited  | CHINA              | 1CHN023 |
| 34 | Gold | Johnson Matthey Limited   | CANADA             | 1CAN024 |
| 35 | Gold | Johnson Matthey Inc   | UNITED STATES      | 1USA025 |
| 36 | Gold | JSC Ekaterinburg Non-Ferrous Metal Processing Plant                   | RUSSIAN FEDERATION | 1RUS026 |
| 37 | Gold | JSC Uraelectromed   | RUSSIAN FEDERATION | 1RUS027 |
| 38 | Gold | JX Nippon Mining & Metals Co., Ltd                                    | JAPAN              | 1JPN028 |
| 39 | Gold | Kazzinc Ltd   | KAZAKHSTAN         | 1KAZ029 |
| 40 | Gold | Kojima Chemicals Co. Ltd  | JAPAN              | 1JPN074 |
| 41 | Gold | Korea Metal Co. Ltd   | KOREA, REPUBLIC OF | 1KOR086 |
| 42 | Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN         | 1KGZ030 |
| 43 | Gold | L'azurde Company For Jewelry  | SAUDI ARABIA       | 1SAU031 |
| 44 | Gold | LS-Nikko Copper Inc   | KOREA, REPUBLIC OF | 1KOR032 |
| 45 | Gold | Materion  | UNITED STATES      | 1USA033 |
| 46 | Gold | Matsuda Sangyo Co. Ltd  | JAPAN              | 1JPN034 |
| 47 | Gold | Metalor Technologies SA   | SWITZERLAND        | 1CHE035 |
| 48 | Gold | Metalor Technologies (Hong Kong) Ltd                                  | HONG KONG          | 1HKG036 |
| 49 | Gold | Metalor USA Refining Corporation                                      | UNITED STATES      | 1USA037 |
| 50 | Gold | Met-Mex Peñoles, S.A.   | MEXICO             | 1MEX038 |
| 51 | Gold | Mitsubishi Materials Corporation                                      | JAPAN              | 1JPN039 |
| 52 | Gold | Mitsui Mining and Smelting Co., Ltd.                                  | JAPAN              | 1JPN040 |
| 53 | Gold | Moscow Special Alloys Processing Plant                                | RUSSIAN FEDERATION | 1RUS041 |
| 54 | Gold | Nadir Metal Rafineri San. Ve Tic. A.Ş.                                | TURKEY             | 1TUR070 |

|    |          |  |                    |         |
|----|----------|--|--------------------|---------|
| 55 | Gold     | Navoi Mining and Metallurgical Combinat                                    | UZBEKISTAN         | 1UZB042 |
| 56 | Gold     | Nihon Material Co. LTD   | JAPAN              | 1JPN071 |
| 57 | Gold     | Ohio Precious Metals LLC.  | UNITED STATES      | 1USA043 |
| 58 | Gold     | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastvetmet) | RUSSIAN FEDERATION | 1RUS044 |
| 59 | Gold     | OJSC Kolyma Refinery   | RUSSIAN FEDERATION | 1RUS067 |
| 60 | Gold     | PAMP SA  | SWITZERLAND        | 1CHE045 |
| 61 | Gold     | Pan Pacific Copper Co. LTD   | JAPAN              | 1JPN080 |
| 62 | Gold     | Prioksky Plant of Non-Ferrous Metals                                       | RUSSIAN FEDERATION | 1RUS047 |
| 63 | Gold     | PT Aneka Tambang (Persero) Tbk   | INDONESIA          | 1IDN048 |
| 64 | Gold     | PX Précinox SA   | SWITZERLAND        | 1CHE068 |
| 65 | Gold     | Rand Refinery (Pty) Ltd  | SOUTH AFRICA       | 1ZAF049 |
| 66 | Gold     | Royal Canadian Mint  | CANADA             | 1CAN050 |
| 67 | Gold     | Sabin Metal Corp.  | UNITED STATES      | 1USA075 |
| 68 | Gold     | SAMWON METALS Corp.  | KOREA, REPUBLIC OF | 1KOR087 |
| 69 | Gold     | Schone Edelmetaal  | NETHERLANDS        | 1NLD051 |
| 70 | Gold     | SEMPSA Joyeria Plateria SA   | SPAIN              | 1ESP052 |
| 71 | Gold     | Shandong Zhaojin Gold & Silver Refinery Co. Ltd                            | CHINA              | 1CHN054 |
| 72 | Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation                        | CHINA              | 1CHN065 |
| 73 | Gold     | SOE Shyolkovsky Factory of Secondary Precious Metals                       | RUSSIAN FEDERATION | 1RUS055 |
| 74 | Gold     | Solar Applied Materials Technology Corp.                                   | TAIWAN             | 1TWN056 |
| 75 | Gold     | Sumitomo Metal Mining Co. Ltd.   | JAPAN              | 1JPN057 |
| 76 | Gold     | Suzhou Xingrui Noble   | CHINA              | 1CHN079 |
| 77 | Gold     | Tanaka Kikinzoku Kogyo K.K.  | JAPAN              | 1JPN058 |
| 78 | Gold     | The Great Wall Gold and Silver Refinery of China                           | CHINA              | 1CHN059 |
| 79 | Gold     | Tokuriki Honten Co. Ltd  | JAPAN              | 1JPN060 |
| 80 | Gold     | Torecom  | KOREA, REPUBLIC OF | 1KOR081 |
| 81 | Gold     | Umicore SA Business Unit Precious Metals Refining                          | BELGIUM            | 1BEL062 |
| 82 | Gold     | Umicore Brasil Ltda  | BRAZIL             | 1BRA061 |
| 83 | Gold     | United Precious Metal Refining, Inc.                                       | UNITED STATES      | 1USA076 |
| 84 | Gold     | Valcambi SA  | SWITZERLAND        | 1CHE063 |
| 85 | Gold     | Xstrata Canada Corporation   | CANADA             | 1CAN064 |
| 86 | Gold     | Yokohama Metal Co Ltd  | JAPAN              | 1JPN077 |
| 87 | Gold     | Zijin Mining Group Co. Ltd   | CHINA              | 1CHN066 |
| 88 | Tantalum | Conghua Tantalum and Niobium Smeltry                                       | CHINA              | 3CHN019 |
| 89 | Tantalum | Duoluoshan   | CHINA              | 3CHN001 |
| 90 | Tantalum | Exotech Inc.   | UNITED STATES      | 3USA002 |
| 91 | Tantalum | F&X  | CHINA              | 3CHN003 |
| 92 | Tantalum | Gannon & Scott   | UNITED STATES      | 3USA004 |
| 93 | Tantalum | Global Advanced Metals   | UNITED STATES      | 3USA005 |
| 94 | Tantalum | H.C. Starck GmbH   | GERMANY            | 3DEU006 |
| 95 | Tantalum | Hi-Temp  | UNITED STATES      | 3USA016 |
| 96 | Tantalum | JiuJiang JinXin Nonferrous Metals Co. Ltd.                                 | CHINA              | 3CHN020 |
| 97 | Tantalum | JiuJiang Tambre Co. Ltd.   | CHINA              | 3CHN007 |

|     |          |   |                       |         |
|-----|----------|---|-----------------------|---------|
| 98  | Tantalum | Kemet Blue Powder                           | UNITED STATES         | 3USA010 |
| 99  | Tantalum | Mitsui Mining & Smelting                    | JAPAN                 | 3JPN008 |
| 100 | Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.  | CHINA                 | 3CHN009 |
| 101 | Tantalum | Plansee                                     | AUSTRIA               | 3AUT011 |
| 102 | Tantalum | RFH   | CHINA                 | 3CHN017 |
| 103 | Tantalum | Solikamsk Metal Works                       | RUSSIAN<br>FEDERATION | 3RUS012 |
| 104 | Tantalum | Taki Chemicals                              | JAPAN                 | 3JPN023 |
| 105 | Tantalum | Telex                                       | UNITED STATES         | 3USA018 |
| 106 | Tantalum | Ulba  | KAZAKHSTAN            | 3KAZ014 |
| 107 | Tantalum | Zhuzhou Cement Carbide                      | CHINA                 | 3CHN015 |
| 108 | Tin      | PT Timah                                    | INDONESIA             | 2IDN042 |
| 109 | Tin      | Yunnan Chengfeng                            | CHINA                 | 2CHN047 |
| 110 | Tin      | Minmetals Ganzhou Tin Co. Ltd.              | CHINA                 | 2CHN051 |
| 111 | Tin      | CNMC (Guangxi) PGMA Co. Ltd.                | CHINA                 | 2CHN050 |
| 112 | Tin      | Cookson                                     | UNITED STATES         | 2USA001 |
| 113 | Tin      | Cooper Santa                                | BRAZIL                | 2BRA063 |
| 114 | Tin      | PT Stanindo Inti Perkasa                    | INDONESIA             | 2IDN040 |
| 115 | Tin      | CV Duta Putra Bangka                        | INDONESIA             | 2IDN003 |
| 116 | Tin      | CV Gita Pesona                              | INDONESIA             | 2IDN056 |
| 117 | Tin      | CV JusTindo                                 | INDONESIA             | 2IDN004 |
| 118 | Tin      | CV Makmur Jaya                              | INDONESIA             | 2IDN005 |
| 119 | Tin      | CV Nurjanah                                 | INDONESIA             | 2IDN006 |
| 120 | Tin      | CV Prima Timah Utama                        | INDONESIA             | 2IDN007 |
| 121 | Tin      | CV Serumpun Sebalai                         | INDONESIA             | 2IDN008 |
| 122 | Tin      | CV United Smelting                          | INDONESIA             | 2IDN009 |
| 123 | Tin      | EM Vinto                                    | BOLIVIA               | 2BOL010 |
| 124 | Tin      | Fenix Metals                                | POLAND                | 2POL064 |
| 125 | Tin      | Minsur                                      | PERU                  | 2PER019 |
| 126 | Tin      | Gejiu Non-Ferrous Metal Processing Co. Ltd. | CHINA                 | 2CHN012 |
| 127 | Tin      | Gejiu Zi-Li                                 | CHINA                 | 2CHN011 |
| 128 | Tin      | Gold Bell Group                             | CHINA                 | 2CHN013 |
| 129 | Tin      | Huichang Jinshunda Tin Co. Ltd              | CHINA                 | 2CHN052 |
| 130 | Tin      | PT Bukit Timah                              | INDONESIA             | 2IDN032 |
| 131 | Tin      | Jiangxi Nanshan                             | CHINA                 | 2CHN014 |
| 132 | Tin      | Kai Unita Trade Limited Liability Company   | CHINA                 | 2CHN053 |
| 133 | Tin      | PT Bangka Putra Karya                       | INDONESIA             | 2IDN028 |
| 134 | Tin      | PT Tambang Timah                            | INDONESIA             | 2IDN049 |
| 135 | Tin      | Linwu Xianggui Smelter Co                   | CHINA                 | 2CHN055 |
| 136 | Tin      | Liuzhou China Tin                           | CHINA                 | 2CHN015 |
| 137 | Tin      | Malaysia Smelting Corporation (MSC)         | MALAYSIA              | 2MYS016 |
| 138 | Tin      | Metallo Chimique                            | BELGIUM               | 2BEL017 |
| 139 | Tin      | Mineração Taboca S.A.                       | BRAZIL                | 2BRA018 |
| 140 | Tin      | Mitsubishi Materials Corporation            | JAPAN                 | 2JPN020 |
| 141 | Tin      | Novosibirsk Integrated Tin Works            | RUSSIAN<br>FEDERATION | 2RUS021 |
| 142 | Tin      | OMSA  | BOLIVIA               | 2BOL022 |
| 143 | Tin      | PT Alam Lestari Kencana                     | INDONESIA             | 2IDN023 |
| 144 | Tin      | PT Artha Cipta Langgeng                     | INDONESIA             | 2IDN024 |
| 145 | Tin      | PT Babel Inti Perkasa                       | INDONESIA             | 2IDN025 |

|     |          |  |                    |         |
|-----|----------|--|--------------------|---------|
| 146 | Tin      | PT Babel Surya Alam Lestari                                    | INDONESIA          | 2IDN026 |
| 147 | Tin      | PT Bangka Kudai Tin  | INDONESIA          | 2IDN027 |
| 148 | Tin      | PT Bangka Timah Utama Sejahtera                                | INDONESIA          | 2IDN029 |
| 149 | Tin      | PT Bangka Tin Industry   | INDONESIA          | 2IDN058 |
| 150 | Tin      | PT Belitung Industri Sejahtera                                 | INDONESIA          | 2IDN030 |
| 151 | Tin      | PT BilliTin Makmur Lestari                                     | INDONESIA          | 2IDN031 |
| 152 | Tin      | PT DS Jaya Abadi   | INDONESIA          | 2IDN059 |
| 153 | Tin      | PT Eunindo Usaha Mandiri                                       | INDONESIA          | 2IDN033 |
| 154 | Tin      | PT Fang Di MulTindo  | INDONESIA          | 2IDN034 |
| 155 | Tin      | PT HP Metals Indonesia   | INDONESIA          | 2IDN035 |
| 156 | Tin      | PT Karimun Mining  | INDONESIA          | 2IDN062 |
| 157 | Tin      | PT Koba Tin  | INDONESIA          | 2IDN036 |
| 158 | Tin      | PT Mitra Stania Prima  | INDONESIA          | 2IDN037 |
| 159 | Tin      | PT Panca Mega  | INDONESIA          | 2IDN060 |
| 160 | Tin      | PT Refined Banka Tin   | INDONESIA          | 2IDN038 |
| 161 | Tin      | PT Sariwiguna Binasentosa                                      | INDONESIA          | 2IDN039 |
| 162 | Tin      | PT Seirama Tin investment                                      | INDONESIA          | 2IDN061 |
| 163 | Tin      | PT Sumber Jaya Indah   | INDONESIA          | 2IDN041 |
| 164 | Tin      | PT Timah Nusantara   | INDONESIA          | 2IDN043 |
| 165 | Tin      | PT Tinindo Inter Nusa  | INDONESIA          | 2IDN044 |
| 166 | Tin      | PT Tommy Utama   | INDONESIA          | 2IDN057 |
| 167 | Tin      | PT Yinchendo Mining Industry                                   | INDONESIA          | 2IDN045 |
| 168 | Tin      | Yunnan Tin Company Limited                                     | CHINA              | 2CHN048 |
| 169 | Tin      | Thaisarco  | THAILAND           | 2THA046 |
| 170 | Tin      | White Solder Metalurgia  | BRAZIL             | 2BRA054 |
| 171 | Tungsten | A.L.M.T. Corp.   | JAPAN              | 4JPN020 |
| 172 | Tungsten | ATI Tungsten Materials   | UNITED STATES      | 4USA001 |
| 173 | Tungsten | Chaozhou Xianglu Tungsten Industry Co Ltd                      | CHINA              | 4CHN002 |
| 174 | Tungsten | China Minmetals Nonferrous Metals Co Ltd                       | CHINA              | 4CHN003 |
| 175 | Tungsten | Jiangxi Tungsten Industry Group Co Ltd                         | CHINA              | 4CHN010 |
| 176 | Tungsten | Chongyi Zhangyuan Tungsten Co Ltd                              | CHINA              | 4CHN004 |
| 177 | Tungsten | Dayu Weiliang Tungsten Co., Ltd.                               | CHINA              | 4CHN021 |
| 178 | Tungsten | Fujian Jinxin Tungsten Co., Ltd.                               | CHINA              | 4CHN022 |
| 179 | Tungsten | Ganzhou Grand Sea W & Mo Group Co Ltd                          | CHINA              | 4CHN016 |
| 180 | Tungsten | Jiangxi Rare Earth & Rare Metals Tungsten Group Corp           | CHINA              | 4CHN009 |
| 181 | Tungsten | Global Tungsten & Powders Corp                                 | UNITED STATES      | 4USA007 |
| 182 | Tungsten | HC Starck GmbH   | GERMANY            | 4DEU008 |
| 183 | Tungsten | Hunan Chenzhou Mining Group Co                                 | CHINA              | 4CHN018 |
| 184 | Tungsten | Hunan Chun-Chang Nonferrous Smelting & Concentrating Co., Ltd. | CHINA              | 4CHN023 |
| 185 | Tungsten | Japan New Metals Co Ltd  | JAPAN              | 4JPN017 |
| 186 | Tungsten | Kennametal Inc.  | UNITED STATES      | 4USA026 |
| 187 | Tungsten | Tejing (Vietnam) Tungsten Co Ltd                               | VIETNAM            | 4VNM019 |
| 188 | Tungsten | Wolfram Bergbau und Hütten AG                                  | AUSTRIA            | 4AUT012 |
| 189 | Tungsten | Wolfram Company CJSC   | RUSSIAN FEDERATION | 4RUS013 |
| 190 | Tungsten | Xiamen Tungsten Co Ltd   | CHINA              | 4CHN014 |
| 191 | Tungsten | Zhuzhou Cemented Carbide Group Co Ltd                          | CHINA              | 4CHN015 |

**This is the end of the Hynix report.**

In Win Development Inc. has a CSR Task Force to address stakeholder concerns. To this end, stakeholders have been identified, namely employees, communities around our operations, investors, suppliers, and customers, and their concerns are taken into consideration in the Company's planning and operations. From among the indicators in the GRI/G4 Guidelines published by the Global Reporting Initiative (GRI), we have selected those indicators that we think are relevant indicators to monitor the economic, environmental, and social impacts of our operations. Through emails, telephone calls, and questionnaires, we have identified the material topics of our five stakeholder groups. This process has been standardized and laid down in our Procedures Governing Corporate Social Responsibility Communications and Material Topic Identification.

In Win Development Inc. has an ISO 14000 environmental management system in place to achieve the policies and objectives under its sustainable development strategy regarding its products, activities, and services. The products provided to its customers are designed and manufactured in accordance with environmental protection requirements. Environmental management, environmental education, and environmental awareness raising all contribute to its environmental performance to mitigate the earth's pollution, reduce its environmental impacts, and popularize environmental awareness, conserve energy and use resources efficiently, and so on, in order to ultimately finally arrive at positive environmental management concepts and effective performance in these areas, and fulfill the Company's corporate social responsibility (CSR) and attain the goal of sustainable business.

InWin introduced green product procurement specifications in 2006 and has drawn up green product procurement specifications for all its suppliers:

- (1) Suppliers must have a sound system in place for hazardous substance management.
- (2) Suppliers must guarantee that any heavy materials, solvents, or auxiliary materials used in their finished products, modules, parts, auxiliary materials, packaging, and processes supplied by InWin fully comply with the Technical Specifications for Environmental Management Materials for Green Products. They also must commit to refrain from using Class 1 Prohibited Hazardous Substances in their production processes and comply with InWin's Technical Specifications for Green Product Environmental Management Substances.
- (3) Suppliers must have a management system structure for the use of hazardous materials to assist InWin in its checks on such hazardous substances.
- (4) Supplier assessment: To ensure that the supplier's production system can meet the management standards of the "Green Product Purchasing Specification" and meet the Company's needs. The assessment covers the following:
  1. HSPM (Hazardous Substance Process Management) Assessment
  2. Evaluation, based on the QI-E021-000-00 process, whether raw materials, parts, auxiliary materials, and subcontracting are processed in accordance with the Hazardous Substance Process Management (HSPM) to ensure that the delivered products meet the Company's requirements.

Besides strict adherence to environmental protection principles within its supplier management mechanism, InWin also follows the Electronic Industry Code of Conduct (EICC) management system since 2010. InWin calls on its suppliers to fulfill their corporate social responsibility (such as the Conflict Minerals Code). At present, the Company's supplier selection indicators already include important indicators of corporate social responsibility such as RoHS (HSF), QC 080000, ISO 14000, and EICC. The Company requires compliance with the freedoms of assembly and association and the prohibitions on child labor and forced labor. To help maintain basic human rights, the above indicators are also included in the supplier audits through the Supplier Audit Table.

In addition, we also require that our suppliers subscribe the principle of equality laid down in the Tripartite Declaration of Principles Concerning Multinational Enterprises and Social Policy of the International Labor Organization. The procurement unit and the general affairs unit manage suppliers and contractors (including security companies).



Both for our own as well as our suppliers, we demand that our suppliers as well as our own production utilizes responsible sourcing of minerals from potential conflict regions, including gold, tantalum, tin or tungsten. When these materials are sourced in conflict regions, specifically the Democratic Republic of the Congo and adjacent territories, proceeds may fund armed conflicts and perpetuate human rights violations. We therefore included requirements for the responsible sourcing of minerals in our supplier code of ethics.

Our list of smelters is as follows:

|          |  |                          |
|----------|--|--------------------------|
| Tin      | Alpha  | UNITED STATES OF AMERICA |
| Tin      | Metallic Resources, Inc.                     | UNITED STATES OF AMERICA |
| Tin      | Tin Technology & Refining                    | UNITED STATES OF AMERICA |
| Tungsten | Lianyou Metals Co., Ltd.                     | TAIWAN                   |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd. | CHINA                    |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.         | CHINA                    |

**This is the end of the In-Win report.**

**INGRAM MICRO** – Ingram Micro is not an actual manufacturer, they are the world’s largest distribution company for IT Products and does not manufacture anything. They have provided a statement on conflict minerals but will be removed from our report in the future.

At Ingram Micro, we recognize the importance of engaging our supply chain partners in our social responsibility efforts. In 2017, we introduced a supplier code of ethics in alignment with the code of conduct of the Responsible Business Alliance. Our next steps include the following:

- Introduce supplier risk evaluations for key suppliers with the objective to collaboratively develop corrective action plans
- Actively engage suppliers and encourage adherence to best practices in corporate responsibility
- Improve supplier awareness of Ingram Micro's CSR policies and programs
- Continue to work with key suppliers to identify materials and solutions that reduce environmental impact

**Conflict Minerals, Slavery and Human Trafficking**

Ingram Micro does not manufacture or contract to manufacture, but with access to nearly 80% of the world's IT spend, we touch nearly every piece of technology in circulation. Many of these devices require certain minerals for production, including gold, tantalum, tin or tungsten. When these materials are sourced in conflict regions, specifically the Democratic Republic of the Congo and adjacent territories, proceeds may fund armed conflicts and perpetuate human rights violations. We therefore included requirements for the responsible sourcing of minerals in our supplier code of ethics. To learn more about our position on conflict resources and human rights, please read our Global Human Rights Policy (Política Mundial de Derechos Humanos). Ingram Micro is a member of the Responsible Minerals Initiative (RMI). Furthermore, Ingram Micro strongly supports the eradication of slavery and human trafficking. Please see our statement on these issues in compliance with the UK Modern Slavery Act of 2015 here. When evaluating our suppliers, we'll look closely at areas with potential for human rights risks.

## Product Lifecycle Management

In 2019, 44.7 million metric tons of electronic waste were generated worldwide (Global E-waste Monitor). Only about 20% of e-waste is recycled through appropriate channels. Ingram Micro provides solutions supporting reverse logistics including returns management, repair and asset management and recycling programs for carriers, original equipment manufacturers (OEMs) and insurance providers to reduce the environmental impact of waste electronics.

## Customer Data Protection

At Ingram Micro, we are committed to the protection of customer data, a critical component of our social responsibility efforts. In addition to the implementation of Security Management Systems to ISO 27000, we offer IT asset disposition, including onsite data destruction to protect sensitive customer information.

### **This is the end of the Ingram report.**

**KINGSTON TECHNOLOGY** - Kingston Technology Company, Inc. is committed to operating our business in a manner that is Socially and Environmentally Responsible (SER). Over the past 24 years, Kingston has maintained a basic philosophy that centers on the core values of the company: respect, loyalty, integrity, flexibility and adaptability, investing in our employees and having fun at work in the company of friends. These core values also influence our obligations to make a positive difference in the communities in which we operate and to help protect the environment.

### Conflict Minerals

Kingston shares the concern of our customers that the sources of minerals used in the manufacture of our product are not considered "conflict minerals." Conflict minerals pertain to 3TG minerals (tin, tantalum, tungsten and gold) that are mined in countries where conditions of armed conflict and human rights abuses are reported to be occurring.

Our commitment to address this concern includes a two step approach.

1. Kingston has taken steps to ensure that the purchased materials used in our manufacturing process that contain minerals are free of conflict minerals. Kingston has written assurances from all of its suppliers of metal alloy materials used in the manufacturing process of Kingston products that the sources of such minerals and raw materials are not from conflict-affected and high-risk areas or other regions in violation of human rights.
2. Kingston is also working with our supply chain to ensure that the purchased components used in our products are free of materials containing conflict minerals. We are asking that our suppliers support our concern and we are involved in an ongoing effort to collect the necessary supporting data and applicable evidence as part of our due diligence.
3. Kingston tracks all the smelters according to the regulations of the Dodd-Frank Act.

### Environmental Responsibility

Kingston is doing its part to be a responsible environmental steward. In June 2004, Kingston obtained certification to ISO 14001 which provides guidance in environmental issues. We are operating in ways that are more sensitive to the environment in order to reduce our carbon footprint and disclose our efforts through our participation in the Carbon Disclosure Project. As energy use in our facilities makes up the majority of our carbon footprint, we are researching ways to reduce our energy usage.

## Smelters And Refiners Reported In Kingston's Supply Chain As Of December 31, 2019.

Smelters or refiners that complete a Third Party Audit will be approved for Kingston's supply chain; otherwise, such smelters and refiners will be removed from Kingston's supply chain.

| Subject      | Country location of Smelter or Refiner                        |                   |
|--------------|---|-------------------|
| <u>Metal</u> | <u>Facility Name of Smelter of Refiner</u>                    | <u>Refiner</u>    |
| Gold         | Aida Chemical Industries Co., Ltd.*                           | Japan             |
| Gold         | Allgemeine Gold-und Silberscheideanstalt AG                   | Germany           |
| Gold         | Almalyk Mining and Metallurgical Complex                      | Uzbekistan        |
| Gold         | AngloGold Ashanti Córrego do Sítio Mineração                  | Brazil            |
| Gold         | Argor-Heraeus S.A.  | Switzerland       |
| Gold         | Asahi Pretec Corp.  | Japan             |
| Gold         | Asahi Refining Canada, Ltd.                                   | Canada            |
| Gold         | Asahi Refining USA, Inc.                                      | United States     |
| Gold         | Asaka Riken Co., Ltd.*  | Japan             |
| Gold         | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.                      | Turkey            |
| Gold         | Aurubis AG  | Germany           |
| Gold         | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | Philippines       |
| Gold         | Boliden AB  | Sweden            |
| Gold         | C. Hafner GmbH + Co. KG                                       | Germany           |
| Gold         | CCR Refinery – Glencore Canada Corp.                          | Canada            |
| Gold         | Cendres + Métaux S.A.   | Switzerland       |
| Gold         | Chimet S.p.A.   | Italy             |
| Gold         | Daejin Indus Co., Ltd.  | Republic of Korea |
| Gold         | Doduco GmbH   | Germany           |
| Gold         | Dowa  | Japan             |
| Tantalum     | King-Tan Tantalum Industry, Ltd.                              | China             |
| Tantalum     | LSM Brasil S.A.   | Brazil            |
| Tantalum     | Metallurgical Products India Pvt., Ltd.                       | India             |
| Tantalum     | Mineração Taboca S.A.   | Brazil            |
| Tantalum     | Mitsui Mining & Smelting*                                     | Japan             |
| Tantalum     | Molycorp Silmet A.S.  | Estonia           |
| Tantalum     | Ningxia Orient Tantalum Industry Co., Ltd.                    | China             |
| Tantalum     | Plansee SE Liezen   | Austria           |
| Tantalum     | Plansee SE Reutte   | Austria           |
| Tantalum     | QuantumClean*   | United States     |
| Tantalum     | Resind Indústria e Comércio, Ltda.                            | Brazil            |
| Tin          | Alpha   | United States     |
| Tin          | An Vinh Joint Stock Mineral Processing Co.                    | Vietnam           |
| Tin          | China Tin Group Co., Ltd.                                     | China             |
| Tin          | Cooperativa Metalurgica de Rondônia Ltda.                     | Brazil            |
| Tin          | CV Ayi Jaya   | Indonesia         |

|          |   |               |
|----------|---|---------------|
| Tin      | Elmet S.L.U. (Metallo Group)*                             | Spain         |
| Tin      | EM Vinto  | Bolivia       |
| Tin      | Feinhütte Halsbrücke GmbH                                 | Germany       |
| Tin      | Fenix Metals  | Poland        |
| Tin      | Gejiu Kai Meng Industry and Trade LLC                     | China         |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.              | China         |
| Tin      | Jiangxi Ketai Advanced Material Co., Ltd.                 | China         |
| Tin      | Magnu's Minerais Metais e Ligas, Ltda.                    | Brazil        |
| Tungsten | A.L.M.T. Tungsten Corp.                                   | Japan         |
| Tungsten | Asia Tungsten Products Vietnam Ltd.                       | Vietnam       |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.              | China         |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                      | China         |
| Tungsten | Dayu Weiliang Tungsten Co., Ltd.                          | China         |
| Tungsten | Dayu Jincheng Tungsten Industry Co., Ltd.                 | China         |
| Tungsten | FuJian JinXin Tungsten Co., Ltd.                          | China         |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.               | China         |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                   | China         |
| Tungsten | Ganzhou Non-ferrous Metals Smelting Co., Ltd.             | China         |
| Tungsten | H.C. Starck GmbH  | Germany       |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG*                       | Germany       |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                           | China         |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji           | China         |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Yanglin        | China         |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.               | China         |
| Tungsten | Hydrometallurg, JSC                                       | Russia        |
| Tungsten | Japan New Metals Co., Ltd.                                | Japan         |
| Tungsten | Kennametal Fallon   | United States |
| Tungsten | Kennametal Huntsville                                     | United States |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                           | China         |
| Tungsten | Niagara Refining LLC                                      | United States |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC | Vietnam       |
| Tungsten | Pobedit, JSC*   | Russia        |
| Tungsten | Sanher Tungsten Vietnam Co., Ltd.                         | Vietnam       |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                       | Vietnam       |

**Smelters And Refiners Identified In Kingston's Supply Chain During 2019 But Subsequently Determined to Be Inoperative Or Removed Prior to December 31, 2019.**

Some smelters or refiners that are no longer reported in Kingston's supply chain may currently be participating in a Third Party Audit.

| <u>Mineral</u> | <u>Facility Name of Smelter or Refiner</u>              | <u>Refiner</u>    |
|----------------|---|-------------------|
| Gold           | Advanced Chemical Co.                                   | United States     |
| Gold           | Caridad   | Mexico            |
| Gold           | Daye Non-Ferrous Metals Mining Ltd.                     | China             |
| Gold           | Gansu Seemine Material High-Tech Co., Ltd.              | China             |
| Gold           | Guangdong Jinding Gold Ltd.                             | China             |
| Gold           | Hangzhou Fuchunjiang Smelting Co., Ltd.                 | China             |
| Gold           | Hunan Chenzhou Mining Group Co., Ltd.                   | China             |
| Gold           | Hwasung CJ Co., Ltd.                                    | Republic of Korea |
| Gold           | KGHM Polska Miedz Spółka Akcyjna                        | Poland            |
| Gold           | Korea Metal Co., Ltd.                                   | Republic of Korea |
| Gold           | Lingbao Gold Co., Ltd.                                  | China             |
| Gold           | Lingbao Jinyuan Tonghui Refinery Co., Ltd.              | China             |
| Gold           | Luoyang Zijin Yinhui Metal Smelting Co., Ltd.           | China             |
| Gold           | Morris and Watson                                       | New Zealand       |
| Gold           | OJSC Kolyma Refinery                                    | Russia            |
| Gold           | Penglai Penggang Gold Industry Co., Ltd.                | China             |
| Gold           | Sabin Metal Corp.                                       | United States     |
| Gold           | Samwon Metals Corp.                                     | Republic of Korea |
| Gold           | Shandong Tiancheng Biological Gold Industrial Co., Ltd. | China             |
| Gold           | Tongling Nonferrous Metals Group Holdings Co., Ltd.     | China             |
| Gold           | Wieland Edelmetalle GmbH                                | Germany           |
| Gold           | Yantai Guoda Safina High-Advanced Refining Co. Ltd.     | China             |
| Gold           | Yunnan Copper Industry Co., Ltd.                        | China             |
| Tin            | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.       | China             |
| Tin            | CNMC (Guangxi) PGMA Co., Ltd.                           | China             |
| Tin            | Estanho de Rondônia S.A.                                | Brazil            |
| Tin            | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.          | China             |
| Tin            | Gejiu Zi-Li   | China             |
| Tin            | Huichang Jinshunda Tin Co., Ltd.                        | China             |
| Tin            | Linwu Xianggui Smelter Co.                              | China             |
| Tin            | Nankang Nanshan Tin Manufactory Co., Ltd.               | China             |
| Tin            | PT Alam Lestari Kencana                                 | Indonesia         |
| Tin            | PT Bangka Kudai Tin                                     | Indonesia         |
| Tin            | PT Bangka Putra Karya                                   | Indonesia         |
| Tin            | PT Bangka Timah Utama Sejahtera                         | Indonesia         |

|          |   |           |
|----------|---|-----------|
| Tin      | PT Karimun Mining**                                   | Indonesia |
| Tin      | PT Seirama Tin Investment                             | Indonesia |
| Tin      | PT Timah Nusantara                                    | Indonesia |
| Tin      | PT Tirus Putra Mandiri                                | Indonesia |
| Tin      | PT Tommy Utama**                                      | Indonesia |
| Tungsten | Ganxian Shirui New Material Co., Ltd.                 | China     |
| Tungsten | Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd. | China     |

**This is the end of the Kingston Report**

**LG:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

**SECTION 1 – CONFLICT MINERALS DISCLOSURE**

**Item 1.01: Conflict Minerals Disclosure and Report**

A company is required to file Form SD pursuant to Rule 13p-1 promulgated under the Exchange Act if it manufactures, or contracts to manufacture, products for which certain specified minerals are necessary to the functionality or production of the products. These minerals consist of columbite-tantalite (also referred to as “coltan”), cassiterite and wolframite (and their derivatives tantalum, tin, and tungsten), and gold and are referred to as “conflict minerals” (also referred to herein as “3TG minerals”) regardless of the geographic origin of the minerals and whether or not they fund armed conflict. LG Display Co., Ltd. (together with its consolidated subsidiaries, also referred to herein as “we” or “our”) manufactures display panels and OLED light panels for which we have determined that 3TG minerals are necessary to the functionality or production of those products. Accordingly, we conducted in good faith a reasonable country of origin inquiry (“RCOI”) with respect to 3TG minerals contained in those products manufactured in 2019. We believe our RCOI was reasonably designed to determine whether any 3TG minerals contained in our products originated in the Democratic Republic of the Congo or an adjoining country (together, the “Covered Countries”), or are from recycled or scrap sources. We have prepared a Conflict Minerals Report, which is attached as an exhibit hereto and also publicly available on our website at [www.lgdisplay.com](http://www.lgdisplay.com).

A Conflict Minerals Report is attached as Exhibit 1.01 to this report.

**Conflict Minerals Policy**

As a responsible corporate citizen, we believe in ethical sourcing and have formulated and announced a conflict minerals policy (our “Policy”), which is to eliminate from our products the use of 3TG minerals that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (“DRC”) or an adjoining country (together, the “Covered Countries”). Our current Policy is publicly available on our website at [www.lgdisplay.com/eng/sustainability/safetyEnvironment/conflictMinerals/policy](http://www.lgdisplay.com/eng/sustainability/safetyEnvironment/conflictMinerals/policy) and serves as a common reference point for all our suppliers and us internally.

We conducted in good faith a reasonable country of origin inquiry (“RCOI”) with respect to 3TG minerals contained in our products manufactured in 2019. We believe our RCOI was reasonably designed to determine whether any 3TG minerals contained in our products originated in the Covered Countries or were from recycled or scrap sources.

Based on our RCOI, and as described further below, although we did not find any indication that the 3TG minerals necessary to the functionality of our products originated from a Covered Country, we concluded that we had insufficient information to determine that there was no reason to believe that the 3TG minerals necessary to the functionality of our products may have originated from a Covered Country or were not from recycled or scrap sources.

## Source and Chain of Custody Due Diligence

Given the results of our RCOI, we engaged in additional due diligence on the source and chain of custody of the 3TG minerals necessary to the functionality of our products. As further described below, our due diligence conformed in all material respects to the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (Second Edition) and related Supplements (“OECD Guidance”) for downstream companies.

We obtained CMRT responses from 100% of our Covered Suppliers, excluding suppliers no longer in our supply chain, as of December 31, 2019. We assessed the conformity and reliability of these CMRT responses, conducted risk analyses and compliance improvement activities, and provided regular progress updates to our chief executive officer and other relevant members of management. In addition, we implemented strict limitations on authorizing transactions with new suppliers where risks materialized. We believe that these efforts have driven the following results.

Annex I

### Conformant Smelters and Refiners

| Mineral  | Smelter or Refiner Name                        | Country                  |
|----------|--|--------------------------|
| Tantalum | Asaka Riken Co., Ltd.                          | Japan                    |
| Tantalum | Changsha South Tantalum<br>Niobium Co., Ltd.   | China                    |
| Tantalum | Conghua Tantalum and<br>Niobium Smeltry        | China                    |
| Tantalum | Exotech Inc.                                   | United States of America |
| Tantalum | F&X Electro-Materials Ltd.                     | China                    |
| Tantalum | Guangdong Zhiyuan New<br>Material Co., Ltd.    | China                    |
| Tantalum | JiuJiang JinXin Nonferrous<br>Metals Co., Ltd. | China                    |
| Tantalum | Jiujiang Tanbre Co., Ltd.                      | China                    |
| Tantalum | LSM Brasil S.A.                                | Brazil                   |
| Tantalum | Metallurgical Products India<br>Pvt., Ltd.     | India                    |
| Tantalum | Mineração Taboca S.A.                          | Brazil                   |
| Tantalum | Mitsui Mining & Smelting                       | Japan                    |
| Tantalum | Molycorp Silmet A.S.                           | Estonia                  |
| Tantalum | Ningxia Orient Tantalum<br>Industry Co., Ltd.  | China                    |
| Tantalum | QuantumClean                                   | United States of America |
| Tantalum | RFH Tantalum Smeltry Co.,<br>Ltd.              | China                    |

|          |   |                          |
|----------|---|--------------------------|
| Tantalum | Solikamsk Magnesium Works<br>OAO                                  | Russia                   |
| Tantalum | Taki Chemicals  | Japan                    |
| Tantalum | Telex Metals  | United States of America |
| Tantalum | Ulba Metallurgical Plant JSC                                      | Kazakhstan               |
| Tantalum | Hengyang King Xing Lifeng<br>New Materials Co., Ltd.              | China                    |
| Tantalum | D Block Metals, LLC   | United States of America |
| Tantalum | FIR Metals & Resource Ltd.  | China                    |
| Tantalum | Jiujiang Zhongao Tantalum &                                       | China                    |
| Tantalum | Niobium Co., Ltd.   | China China Mexico       |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.                     |                          |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.<br>KEMET Blue Metals |                          |
| Tantalum | H.C. Starck Co., Ltd.   | Thailand                 |
| Tantalum | H.C. Starck GmbH Goslar   | Germany                  |
| Tantalum | H.C. Starck Hermsdorf GmbH  | Germany                  |
| Tantalum | H.C. Starck Inc.  | United States of America |
| Tantalum | H.C. Starck Ltd.  | Japan                    |
| Tantalum | H.C. Starck Smelting GmbH & Co.KG                                 | Germany                  |
| Tantalum | Global Advanced Metals Boyertown                                  | United States of America |
| Tantalum | Global Advanced Metals Aizu                                       | Japan                    |
| Tantalum | KEMET Blue Powder   | United States of America |
| Tantalum | Resind Indústria e Comércio Ltda                                  | Brazil China             |
| Tantalum | Jiangxi Tuohong New Raw Material                                  | Macedonia                |
| Tantalum | Power Resources Ltd   |                          |
| Tantalum | Jiujiang Janny New Material Co., Ltd.                             | China China              |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                 | United States of America |
| Tin      | Alpha   |                          |



|     |                            |           |
|-----|----------------------------|-----------|
| Tin | CV Gita Pesona             | Indonesia |
| Tin | PT Aries Kencana Sejahtera | Indonesia |
| Tin | CV Serumpun Sebalai        | Indonesia |
| Tin | CV United Smelting         | Indonesia |

**This is the end of the LG report.**

**Logitech:** All of the smelters and refiners identified in 2018 achieved a 100% response rate from our direct suppliers and verified 95.2% of their smelters are now participating in certification programs and 93.7% are certified conflict-free. Logitech has also been tracking cobalt due diligence on a voluntary basis. Logitech’s report is only though 2018. For the reporting period from January 1 to December 31, 2018, Logitech conducted a reasonable country of origin inquiry (“RCOI”) to determine whether any of the conflict minerals necessary to the functionality or production of the products (“Necessary Conflict Minerals”) that we manufactured or contracted to manufacture originated in the Covered Countries. To make this determination, we engaged with our direct suppliers of materials, parts, components or products potentially containing 3TG (“In-Scope Suppliers”) to identify the Smelters of the Necessary Conflict Minerals. Our RCOI included the following steps:

- From a total of 376 suppliers, 284 out of 376 were identified as In-Scope Suppliers;
- We are a member of the Responsible Minerals Initiative (“RMI”), formerly known as the Conflict Free Sourcing Initiative (the “CFSI”). We survey our In-Scope Suppliers using the current version of the RMI Conflict Minerals Reporting Template Revision 5.11 (“CMRT” or “Template”), which includes questions about the location or mine of origin. In-Scope Suppliers are obligated to make similar efforts to survey their supply chain using CMRT and report the facilities and location or mine of origin for 3TG. Given our position in the supply chain and the fact that Logitech does not directly purchase raw materials, we are several tiers away from the Smelters and country of origin for the 3TG used in our products. We therefore rely on our first-tier suppliers to provide information and we carry out appropriate due diligence activities to check and verify the accuracy of information provided by those suppliers.
- We reviewed the information provided by the In-Scope Suppliers with respect to a number of evaluation criteria to assess the adequacy of the information provided and determine the potential for sourcing from the Covered Countries. The reviewing criteria included but was not limited to:
  - Mandatory fields of the CMRT report were complete and accurate;
  - The Smelters information was consistent with the Smelter database available to RMI members; and
  - Verification of supplier 3TG reported usage against Bill of Materials by applying an established criteria and knowledge of where 3TG materials are utilised at component/part and product levels.
- We followed up with In-Scope Suppliers where necessary to clarify the information they provided or to seek additional information as part of our due diligence efforts.

2018 Conflict Free of In-Scope Process Smelters, by Metal

| Metal    | Smelters verified as conflict free or in the audit process |
|----------|--|
| Tungsten | 40 of 40 (100%)  |
| Tin      | 71 of 75 (94.7%)   |
| Tungsten | 39 of 41* (95.1%)  |
| Gold     | 106 of 113 (93.8%)   |

\* 10 active Tungsten smelters are certified as conforming to RMI. The other 3 Tungsten smelters were listed in our scope reported in 2018. Active Tungsten smelters are certified as 100% conflict-free.

Logitech currently intends to undertake the following steps, during the next compliance period, with the intention of further mitigating risks associated with supply chain sourcing and conflict minerals:

- Continue our training, auditing, engagement and other due diligence activities with suppliers to:
  - Ensure all In-Scope suppliers understand and fully comply with our established Conflict Minerals Policy and associated requirements;
  - Maintain oversight of our supply chain and identify the source of any 3TG;
  - Confirm the conflict-free status of identified Smelters via independent conflict-free Smelter validation programs; and
  - Encourage Smelters to participate in third party audit programs such as the RMI Responsible Minerals Assurance Process or equivalent programs.
- Continue our work with an independent third party specialist to engage directly with individual suppliers to understand any relevant compliance challenges and the work that is needed to fast-track transition to conflict-free status.
- Continue our support of RMI to encourage further adoption and improvement of relevant good practices, programs, tools and standards.
- Develop due diligence plans showing the actions the supplier will take to engage, request and encourage Smelters that are not yet engaged in RMAP, or an equivalent certification program, to engage in such programs and to obtain evidence of conflict-free status.

## List of Certified Conflict-Free Smelters

This list presents consolidated information compiled from the CMRT forms provided by our In-Scope Suppliers, the RMAP Conformant Smelters & Refiners list, the London Bullion Market Association (LBMA) Good Delivery List, and the Responsible Jewellery Council (RJC) Chain-of-Custody Certification Program as of March 29, 2019.

| Metal    | Smelter Name  | Smelter Location Country |
|----------|---|--------------------------|
| Tantalum | Asaka Riken Co., Ltd.   | JAPAN                    |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.                                     | CHINA                    |
| Tantalum | Guangdong Rising Rare Metals-EO Materials Ltd.                                | CHINA                    |
| Tantalum | Exotech Inc.  | UNITED STATES OF AMERICA |
| Tantalum | F&X Electro-Materials Ltd.  | CHINA                    |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.                                      | CHINA                    |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.                                   | CHINA                    |
| Tantalum | Jiujiang Tanbre Co., Ltd.   | CHINA                    |
| Tantalum | LSM Brasil S.A.   | BRAZIL                   |
| Tantalum | Metallurgical Products India Pvt., Ltd.                                       | INDIA                    |
| Tantalum | Mineracao Taboca S.A.   | BRAZIL                   |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                    |
| Tantalum | NPM Silmet AS   | ESTONIA                  |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.                                    | CHINA                    |
| Tantalum | QuantumClean  | UNITED STATES OF AMERICA |
| Tantalum | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd. | CHINA                    |
| Tantalum | Solikamsk Magnesium Works OAO   | RUSSIAN FEDERATION       |
| Tantalum | Taki Chemical Co., Ltd.   | JAPAN                    |
| Tantalum | Telex Metals  | UNITED STATES OF AMERICA |
| Tantalum | Ulba Metallurgical Plant JSC  | KAZAKHSTAN               |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.                             | CHINA                    |
| Tantalum | D Block Metals, LLC   | UNITED STATES OF AMERICA |
| Tantalum | FIR Metals & Resource Ltd.  | CHINA                    |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.                                 | CHINA                    |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.                                 | CHINA                    |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.                                  | CHINA                    |
| Tantalum | KEMET Blue Metals   | MEXICO                   |

|          |   |  |
|----------|---|--|
| Tantalum | H.C. Starck Co., Ltd.                             | THAILAND                                   |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH             | GERMANY                                    |
| Tantalum | H.C. Starck Hermsdorf GmbH                        | GERMANY                                    |
| Tantalum | H.C. Starck Inc.                                  | UNITED STATES OF AMERICA                   |
| Tantalum | H.C. Starck Ltd.                                  | JAPAN                                      |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                | GERMANY                                    |
| Tantalum | Global Advanced Metals Boyertown                  | UNITED STATES OF AMERICA                   |
| Tantalum | Global Advanced Metals Aizu                       | JAPAN                                      |
| Tantalum | KEMET Blue Powder                                 | UNITED STATES OF AMERICA                   |
| Tantalum | Resind Industria e Comercio Ltda.                 | BRAZIL                                     |
| Tantalum | Jiangxi Tuohong New Raw Material                  | CHINA                                      |
| Tantalum | Power Resources Ltd.                              | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF |
| Tantalum | Jiujiang Janny New Material Co., Ltd.             | CHINA                                      |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. | CHINA                                      |
| Tin      | Alpha   | UNITED STATES OF AMERICA                   |
| Tin      | CV Gita Pesona                                    | INDONESIA                                  |
| Tin      | PT Aries Kencana Sejahtera                        | INDONESIA                                  |
| Tin      | PT Premium Tin Indonesia                          | INDONESIA                                  |
| Tin      | CV United Smelting                                | INDONESIA                                  |
| Tin      | Dowa  | JAPAN                                      |
| Tin      | EM Vinto  | BOLIVIA (PLURINATIONAL STATE OF)           |
| Tin      | Fenix Metals                                      | POLAND                                     |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.      | CHINA                                      |
| Tin      | Huichang Jinshunda Tin Co., Ltd.                  | CHINA                                      |
| Tin      | Gejiu Kai Meng Industry and Trade LLC             | CHINA                                      |
| Tin      | China Tin Group Co., Ltd.                         | CHINA                                      |
| Tin      | Malaysia Smelting Corporation (MSC)               | MALAYSIA                                   |
| Tin      | Metallic Resources, Inc.                          | UNITED STATES OF AMERICA                   |
| Tin      | Mineracao Taboca S.A.                             | BRAZIL                                     |
| Tin      | Minsur  | PERU                                       |
| Tin      | Mitsubishi Materials Corporation                  | JAPAN                                      |
| Tin      | Jiangxi New Nanshan Technology Ltd.               | CHINA                                      |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.           | THAILAND                                   |
| Tin      | Operaciones Metalurgical S.A.                     | BOLIVIA (PLURINATIONAL STATE OF)           |
| Tin      | PT Artha Cipta Langgeng                           | INDONESIA                                  |
| Tin      | PT Babel Inti Perkasa                             | INDONESIA                                  |
| Tin      | PT Bangka Tin Industry                            | INDONESIA                                  |
| Tin      | PT Belitung Industri Sejahtera                    | INDONESIA                                  |
| Tin      | PT Bukit Timah                                    | INDONESIA                                  |
| Tin      | PT DS Jaya Abadi                                  | INDONESIA                                  |
| Tin      | PT Karimun Mining                                 | INDONESIA                                  |
| Tin      | PT Mitra Stania Prima                             | INDONESIA                                  |
| Tin      | PT Panca Mega Persada                             | INDONESIA                                  |
| Tin      | PT Prima Timah Utama                              | INDONESIA                                  |

|          |  |                           |
|----------|--|---------------------------|
| Tin      | PT REFINED BANGKA TIN                          | INDONESIA                 |
| Tin      | PT Sariwiguna Binasentosa                      | INDONESIA                 |
| Tin      | PT Stanindo Inti Perkasa                       | INDONESIA                 |
| Tin      | PT Sumber Jaya Indah                           | INDONESIA                 |
| Tin      | PT Timah (Persero) Tbk Kundur                  | INDONESIA                 |
| Tin      | PT Timah (Persero) Tbk Mentok                  | INDONESIA                 |
| Tin      | PT Tinindo Inter Nusa                          | INDONESIA                 |
| Tin      | PT Tommy Utama                                 | INDONESIA                 |
| Tin      | Rui Da Hung                                    | TAIWAN, PROVINCE OF CHINA |
| Tin      | Soft Metais Ltda.                              | BRAZIL                    |
| Tin      | Thaisarco                                      | THAILAND                  |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd. | CHINA                     |
| Tin      | White Solder Metalurgia e Mineracao Ltda.      | BRAZIL                    |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.  | CHINA                     |
| Tin      | Yunnan Tin Company Limited                     | CHINA                     |
| Tin      | CV Venus Inti Perkasa                          | INDONESIA                 |
| Tin      | Magnu's Minerais Metais e Ligas Ltda.          | BRAZIL                    |
| Tin      | Melt Metais e Ligas S.A.                       | BRAZIL                    |
| Tin      | PT ATD Makmur Mandiri Jaya                     | INDONESIA                 |
| Tin      | O.M. Manufacturing Philippines, Inc.           | PHILIPPINES               |
| Tin      | PT Inti Stania Prima                           | INDONESIA                 |
| Tin      | CV Ayi Jaya                                    | INDONESIA                 |
| Tin      | CV Dua Sekawan                                 | INDONESIA                 |
| Tin      | CV Tiga Sekawan                                | INDONESIA                 |
| Tin      | Resind Industria e Comercio Ltda.              | BRAZIL                    |
| Tin      | Metallo Belgium N.V.                           | BELGIUM                   |
| Tin      | Metallo Spain S.L.U.                           | SPAIN                     |
| Tin      | PT Bangka Prima Tin                            | INDONESIA                 |
| Tin      | PT Sukses Inti Makmur                          | INDONESIA                 |
| Tin      | PT Kijang Jaya Mandiri                         | INDONESIA                 |
| Tin      | PT Menara Cipta Mulia                          | INDONESIA                 |
| Tin      | Gejiu Fengming Metallurgy Chemical Plant       | CHINA                     |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant | CHINA                     |
| Tin      | Modeltech Sdn Bhd                              | MALAYSIA                  |
| Tin      | Gejiu Jinye Mineral Company                    | CHINA                     |
| Tin      | PT Lautan Harmonis Sejahtera                   | INDONESIA                 |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.    | CHINA                     |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.        | CHINA                     |
| Tin      | PT Bangka Serumpun                             | INDONESIA                 |
| Tungsten | A.L.M.T. TUNGSTEN Corp.                        | JAPAN                     |
| Tungsten | Kennametal Huntsville                          | UNITED STATES OF AMERICA  |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.           | CHINA                     |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.           | CHINA                     |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.               | CHINA                     |
| Tungsten | Global Tungsten & Powders Corp.                | UNITED STATES OF AMERICA  |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                | CHINA                     |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.    | CHINA                     |
| Tungsten | Japan New Metals Co., Ltd.                     | JAPAN                     |

|          |   |                          |
|----------|---|--------------------------|
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.                   | CHINA                    |
| Tungsten | Kennametal Fallon   | UNITED STATES OF AMERICA |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | VIET NAM                 |
| Tungsten | Wolfram Bergbau und Hutten AG                                 | AUSTRIA                  |
| Tungsten | Xiamen Tungsten Co., Ltd.                                     | CHINA                    |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                     | CHINA                    |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                       | CHINA                    |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | CHINA                    |
| Tungsten | Jiangxi Xincheng Tungsten Industry Co., Ltd.                  | CHINA                    |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                    |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | CHINA                    |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                              | CHINA                    |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                    |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                            | CHINA                    |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.                  | CHINA                    |
| Tungsten | H.C. Starck Tungsten GmbH                                     | GERMANY                  |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                            | GERMANY                  |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC     | VIET NAM                 |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.               | CHINA                    |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji               | CHINA                    |
| Tungsten | Niagara Refining LLC  | UNITED STATES OF AMERICA |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                          | CHINA                    |
| Tungsten | Hydrometallurg, JSC   | RUSSIAN FEDERATION       |
| Tungsten | Unecha Refractory metals plant                                | RUSSIAN FEDERATION       |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City  | CHINA                    |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                     | PHILIPPINES              |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.   | CHINA                    |
| Tungsten | ACL Metais Eireli   | BRAZIL                   |
| Tungsten | Woltech Korea Co., Ltd.                                       | KOREA, REPUBLIC OF       |
| Tungsten | Moliren Ltd.  | RUSSIAN FEDERATION       |
| Gold     | Advanced Chemical Company                                     | UNITED STATES OF AMERICA |
| Gold     | Aida Chemical Industries Co., Ltd.                            | JAPAN                    |
| Gold     | Allgemeine Gold-und Silberscheideanstalt A.G.                 | GERMANY                  |
| Gold     | Almalyk Mining and Metallurgical Complex (AMMC)               | UZBEKISTAN               |
| Gold     | AngloGold Ashanti Corrego do Sitio Mineracao                  | BRAZIL                   |
| Gold     | Argor-Heraeus S.A.  | SWITZERLAND              |
| Gold     | Asahi Pretec Corp.  | JAPAN                    |
| Gold     | Asaka Riken Co., Ltd.   | JAPAN                    |
| Gold     | Aurubis AG  | GERMANY                  |
| Gold     | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES              |
| Gold     | Boliden AB  | SWEDEN                   |
| Gold     | C. Hafner GmbH + Co. KG                                       | GERMANY                  |
| Gold     | CCR Refinery - Glencore Canada Corporation                    | CANADA                   |
| Gold     | Cendres + Metaux S.A.   | SWITZERLAND              |
| Gold     | Chimet S.p.A.   | ITALY                    |
| Gold     | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF       |
| Gold     | Daye Non-Ferrous Metals Mining Ltd.                           | CHINA                    |
| Gold     | DSC (Do Sung Corporation)                                     | KOREA, REPUBLIC OF       |

|      |   |                          |
|------|---|--------------------------|
| Gold | DODUCO Contacts and Refining GmbH   | GERMANY                  |
| Gold | Dowa  | JAPAN                    |
| Gold | Eco-System Recycling Co., Ltd.  | JAPAN                    |
| Gold | OJSC Novosibirsk Refinery   | RUSSIAN FEDERATION       |
| Gold | HeeSung Metal Ltd.  | KOREA, REPUBLIC OF       |
| Gold | Heimerle + Meule GmbH   | GERMANY                  |
| Gold | Heraeus Metals Hong Kong Ltd.   | CHINA                    |
| Gold | Heraeus Precious Metals GmbH & Co. KG                                       | GERMANY                  |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.             | CHINA                    |
| Gold | Ishifuku Metal Industry Co., Ltd.   | JAPAN                    |
| Gold | Istanbul Gold Refinery  | TURKEY                   |
| Gold | Japan Mint  | JAPAN                    |
| Gold | Jiangxi Copper Co., Ltd.  | CHINA                    |
| Gold | Asahi Refining USA Inc.   | UNITED STATES OF AMERICA |
| Gold | Asahi Refining Canada Ltd.  | CANADA                   |
| Gold | JSC Uralelectromed  | RUSSIAN FEDERATION       |
| Gold | JX Nippon Mining & Metals Co., Ltd.   | JAPAN                    |
| Gold | Kazzinc   | KAZAKHSTAN               |
| Gold | Kennecott Utah Copper LLC   | UNITED STATES OF AMERICA |
| Gold | Kojima Chemicals Co., Ltd.  | JAPAN                    |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN               |
| Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF       |
| Gold | Materion  | UNITED STATES OF AMERICA |
| Gold | Matsuda Sangyo Co., Ltd.  | JAPAN                    |
| Gold | Metalor Technologies (Suzhou) Ltd.  | CHINA                    |
| Gold | Metalor Technologies (Hong Kong) Ltd.                                       | CHINA                    |
| Gold | Metalor Technologies (Singapore) Pte., Ltd.                                 | SINGAPORE                |
| Gold | Metalor Technologies S.A.   | SWITZERLAND              |
| Gold | Metalor USA Refining Corporation  | UNITED STATES OF AMERICA |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO                   |
| Gold | Mitsubishi Materials Corporation  | JAPAN                    |
| Gold | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                    |
| Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION       |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                   |
| Gold | Navoi Mining and Metallurgical Combinat                                     | UZBEKISTAN               |
| Gold | Nihon Material Co., Ltd.  | JAPAN                    |
| Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                    |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION       |
| Gold | PAMP S.A.   | SWITZERLAND              |
| Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION       |
| Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA                |
| Gold | PX Precinox S.A.  | SWITZERLAND              |
| Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA             |
| Gold | Royal Canadian Mint   | CANADA                   |
| Gold | Samduck Precious Metals   | KOREA, REPUBLIC OF       |
| Gold | SEMPA Joyeria Plateria S.A.   | SPAIN                    |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.                           | CHINA                    |

|      |   |                           |
|------|---|---------------------------|
| Gold | Sichuan Tianze Precious Metals Co., Ltd.                    | CHINA                     |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals        | RUSSIAN FEDERATION        |
| Gold | Solar Applied Materials Technology Corp.                    | TAIWAN, PROVINCE OF CHINA |
| Gold | Sumitomo Metal Mining Co., Ltd.                             | JAPAN                     |
| Gold | Tanaka Kikinzoku Kogyo K.K.                                 | JAPAN                     |
| Gold | Great Wall Precious Metals Co., Ltd. of CBPM                | CHINA                     |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.              | CHINA                     |
| Gold | Tokuriki Honten Co., Ltd.                                   | JAPAN                     |
| Gold | Torecom   | KOREA, REPUBLIC OF        |
| Gold | Umicore Brasil Ltda.  | BRAZIL                    |
| Gold | Umicore S.A. Business Unit Precious Metals Refining         | BELGIUM                   |
| Gold | United Precious Metal Refining, Inc.                        | UNITED STATES OF AMERICA  |
| Gold | Valcambi S.A.   | SWITZERLAND               |
| Gold | Western Australian Mint (T/a The Perth Mint)                | AUSTRALIA                 |
| Gold | Yamakin Co., Ltd.   | JAPAN                     |
| Gold | Yokohama Metal Co., Ltd.                                    | JAPAN                     |
| Gold | Zhongyuan Gold Smelter of Zhongjin Gold Corporation         | CHINA                     |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd.               | CHINA                     |
| Gold | Umicore Precious Metals Thailand                            | THAILAND                  |
| Gold | Geib Refining Corporation                                   | UNITED STATES OF AMERICA  |
| Gold | MMTC-PAMP India Pvt., Ltd.                                  | INDIA                     |
| Gold | Singway Technology Co., Ltd.                                | TAIWAN, PROVINCE OF CHINA |
| Gold | Al Etihad Gold LLC  | UNITED ARAB EMIRATES      |
| Gold | Emirates Gold DMCC  | UNITED ARAB EMIRATES      |
| Gold | T.C.A S.p.A   | ITALY                     |
| Gold | Remondis Argentia B.V.                                      | NETHERLANDS               |
| Gold | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF        |
| Gold | Marsam Metals   | BRAZIL                    |
| Gold | SAAMP   | FRANCE                    |
| Gold | L'Orfebvre S.A.   | ANDORRA                   |
| Gold | Italpreziosi  | ITALY                     |
| Gold | SAXONIA Edelmetalle GmbH                                    | GERMANY                   |
| Gold | WIELAND Edelmetalle GmbH                                    | GERMANY                   |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH | AUSTRIA                   |
| Gold | AU Traders and Refiners                                     | SOUTH AFRICA              |
| Gold | SungEel HiMetal Co., Ltd.                                   | KOREA, REPUBLIC OF        |
| Gold | Planta Recuperadora de Metales SpA                          | CHILE                     |
| Gold | Safimet S.p.A   | ITALY                     |

## **THIS IS THE END OF THE LOGITECH REPORT**

### **Microsoft:**

Microsoft is committed to the responsible sourcing of raw materials globally in support of human rights; labor, health, and safety; environmental protection; and business ethics and is committed to sourcing minerals for use in our devices that do not directly or indirectly finance armed conflict or benefit armed groups. Our commitment and strategy are outlined in Microsoft Devices Responsible Sourcing of Raw Materials (“RSRM”) policy. Our RSRM policy establishes a holistic approach to the responsible sourcing of raw materials. We hold ourselves and our supply chain accountable to address the human rights; labor, health, and safety; environmental protection; and business ethics risks associated with raw materials extraction, harvesting, processing, refining, and transportation. We commit to a future where all raw

materials used in our devices, unbounded by specific materials or locations, are sourced from responsible suppliers. We commit to the responsible sourcing from Conflict Affected and High Risk Areas (“CAHRAs”), including the Democratic Republic of the Congo (“DRC”) or DRC-adjointing countries (each a “Covered Country” under the Rule), in order to minimize the harmful societal and economic impacts that would be caused by an inadvertent *de facto* embargo of minerals from such regions.

We identified 178 in-scope suppliers that reported the use of 3TGs in the products or parts supplied to Microsoft during the 2019 Reporting Year. Of these suppliers, we received CMRT responses from 178 of those suppliers – a 100% response rate. From the CMRTs received from those 178 in-scope suppliers, we determined that 233 SORs were identified as processing 3TGs in Microsoft Devices for the 2019 Reporting Year, including 3TGs sourced from Covered Countries. For the identified 233 3TG SORs for which minerals sourcing information was available from RMAP or an equivalent, independent, third-party audit program for 3TGs:

- 232 SORs (99.6%) were conformant;
- 43 SORs (18.5%) sourced from Covered Countries, of which 43 (100%) were conformant; and
- 109 SORs (46.8%) processed recycled or scrap material. Based on this due diligence assessment, Microsoft found no reasonable basis for concluding that any SOR sourced 3TGs in a manner that directly or indirectly financed or benefitted armed groups in a Covered Country.

Microsoft’s list of identified smelters:

**Identified SORs in Microsoft Devices’ Supply Chain for 2019 Reporting Year**

This Appendix lists the 233 SORs, which were identified in Microsoft Devices’ supply chain and which processed 3TGs during the 2019 Reporting Year.

| Mineral  | Official Name   | Country of Operation |
|----------|---|----------------------|
| Gold     | 8853 S.p.A.   | Italy                |
| Tungsten | A.L.M.T. Corp.  | Japan                |
| Tungsten | ACL Metais Eireli   | Brazil               |
| Gold     | Advanced Chemical Company                                     | United States        |
| Gold     | Aida Chemical Industries Co., Ltd.                            | Japan                |
| Gold     | Al Etihad Gold Refinery DMCC                                  | United Arab Emirates |
| Gold     | Allgemeine Gold-und Silberscheideanstalt A.G.                 | Germany              |
| Gold     | Almalyk Mining and Metallurgical Complex (AMMC)               | Uzbekistan           |
| Tin      | Alpha   | United States        |
| Gold     | AngloGold Ashanti Corrego do Sitio Mineracao                  | Brazil               |
| Gold     | Argor-Heraeus S.A.  | Switzerland          |
| Gold     | Asahi Pretec Corp.  | Japan                |
| Gold     | Asahi Refining Canada Ltd.                                    | Canada               |
| Gold     | Asahi Refining USA Inc.                                       | United States        |
| Gold     | Asaka Riken Co., Ltd.   | Japan                |
| Tantalum | Asaka Riken Co., Ltd.   | Japan                |
| Tungsten | Asia Tungsten Products Vietnam Ltd.                           | Viet Nam             |
| Gold     | AU Traders and Refiners                                       | South Africa         |
| Gold     | Aurubis AG  | Germany              |
| Gold     | Bangalore Refinery  | India                |
| Gold     | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | Philippines          |
| Gold     | Boliden AB  | Sweden               |
| Gold     | C. Hafner GmbH + Co. KG                                       | Germany              |
| Gold     | CCR Refinery - Glencore Canada Corporation                    | Canada               |
| Gold     | Cendres + Metaux S.A.   | Switzerland          |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.                     | China                |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.                  | China                |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.             | China                |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.                       | China                |
| Gold     | Chimet S.p.A.   | Italy                |
| Tin      | China Tin Group Co., Ltd.                                     | China                |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                          | China                |
| Gold     | Chugai Mining   | Japan                |



|          |   |                      |
|----------|---|----------------------|
| Tantalum | D Block Metals, LLC   | United States        |
| Gold     | DODUCO Contacts and Refining GmbH                               | Germany              |
| Gold     | Dowa  | Japan                |
| Tin      | Dowa  | Japan                |
| Gold     | DS PRETECH Co., Ltd.  | Korea                |
| Gold     | DSC (Do Sung Corporation)                                       | Korea                |
| Gold     | Eco-System Recycling Co., Ltd.                                  | Japan                |
| Gold     | Eco-System Recycling Co., Ltd. North Plant                      | Japan                |
| Gold     | Eco-System Recycling Co., Ltd. West Plant                       | Japan                |
| Tin      | EM Vinto  | Bolivia              |
| Gold     | Emirates Gold DMCC  | United Arab Emirates |
| Tantalum | Exotech Inc.  | United States        |
| Tantalum | F&X Electro-Materials Ltd.                                      | China                |
| Tin      | Fenix Metals  | Poland               |
| Tantalum | FIR Metals & Resource Ltd.                                      | China                |
| Tungsten | Fujian Ganmin RareMetal Co., Ltd.                               | China                |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                                | China                |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                            | China                |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.                     | China                |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                         | China                |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                              | China                |
| Gold     | Geib Refining Corporation                                       | United States        |
| Tin      | Gejiu Kai Meng Industry and Trade LLC                           | China                |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.                    | China                |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.                  | China                |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.                      | China                |
| Tantalum | Global Advanced Metals Aizu                                     | Japan                |
| Tantalum | Global Advanced Metals Boyertown                                | United States        |
| Tungsten | Global Tungsten & Powders Corp.                                 | United States        |
| Gold     | Gold Refinery of Zijin Mining Group Co., Ltd.                   | China                |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.                     | China                |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                            | China                |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.                        | China                |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant                  | China                |
| Tantalum | H.C. Starck Co., Ltd.   | Thailand             |
| Tantalum | H.C. Starck Hermsdorf GmbH                                      | Germany              |
| Tantalum | H.C. Starck Inc.  | United States        |
| Tantalum | H.C. Starck Ltd.  | Japan                |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                              | Germany              |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                              | Germany              |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH                           | Germany              |
| Tungsten | H.C. Starck Tungsten GmbH                                       | Germany              |
| Gold     | HeeSung Metal Ltd.  | Korea                |
| Gold     | Heimerle + Meule GmbH   | Germany              |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.               | China                |
| Gold     | Heraeus Metals Hong Kong Ltd.                                   | China                |
| Gold     | Heraeus Precious Metals GmbH & Co. KG                           | Germany              |
| Tin      | HuiChang Hill Tin Industry Co., Ltd.                            | China                |
| Tin      | Huichang Jinshunda Tin Co., Ltd.                                | China                |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                                 | China                |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji                 | China                |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                     | China                |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.                        | China                |
| Tungsten | Hydrometallurg, JSC   | Russia               |
| Gold     | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | China                |
| Gold     | Ishifuku Metal Industry Co., Ltd.                               | Japan                |
| Gold     | Istanbul Gold Refinery  | Turkey               |
| Gold     | Italpreziosi  | Italy                |
| Gold     | Japan Mint  | Japan                |
| Tungsten | Japan New Metals Co., Ltd.                                      | Japan                |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.                 | China                |
| Gold     | Jiangxi Copper Co., Ltd.  | China                |

|          |   |               |
|----------|---|---------------|
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.                  | China         |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | China         |
| Tin      | Jiangxi New Nanshan Technology Ltd.                           | China         |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | China         |
| Tantalum | Jiangxi Tuohong New Raw Material                              | China         |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.                  | China         |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | China         |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.                   | China         |
| Tantalum | Jiujiang Tanbre Co., Ltd.                                     | China         |
| Tantalum | Jiujiang Zhonggao Tantalum & Niobium Co., Ltd.                | China         |
| Gold     | JSC Uralelectromed  | Russia        |
| Gold     | JX Nippon Mining & Metals Co., Ltd.                           | Japan         |
| Gold     | Kazzinc   | Kazakhstan    |
| Tantalum | KEMET Blue Metals   | Mexico        |
| Tungsten | Kennametal Fallon   | United States |
| Tungsten | Kennametal Huntsville   | United States |
| Gold     | Kennecott Utah Copper LLC                                     | United States |
| Tungsten | KGETS Co., Ltd.   | Korea         |
| Gold     | KGHM Polska Miedz Spolka Akcyjna                              | Poland        |
| Gold     | Kojima Chemicals Co., Ltd.                                    | Japan         |
| Gold     | Korea Zinc Co., Ltd.  | Korea         |
| Gold     | Kyrgyzaltyn JSC   | Kyrgyzstan    |
| Tungsten | Lianyou Metals Co., Ltd.                                      | Taiwan        |
| Gold     | L'Orfebre S.A.  | Andorra       |
| Tantalum | LSM Brasil S.A.   | Brazil        |
| Gold     | LS-NIKKO Copper Inc.  | Korea         |
| Tin      | Ma'anshan Weitai Tin Co., Ltd.                                | China         |
| Tin      | Magnu's Minerai's Metais e Ligas Ltda.                        | Brazil        |
| Tin      | Malaysia Smelting Corporation (MSC)                           | Malaysia      |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | China         |
| Gold     | Marsam Metals   | Brazil        |
| Tungsten | Masan Tungsten Chemical LLC (MTC)                             | Viet Nam      |
| Gold     | Materion  | United States |
| Gold     | Matsuda Sangyo Co., Ltd.                                      | Japan         |
| Tin      | Melt Metais e Ligas S.A.                                      | Brazil        |
| Tin      | Metallic Resources, Inc.                                      | United States |
| Tin      | Metallo Belgium N.V.  | Belgium       |
| Tin      | Metallo Spain S.L.U.  | Spain         |
| Tantalum | Metallurgical Products India Pvt., Ltd.                       | India         |
| Gold     | Metalor Technologies (Hong Kong) Ltd.                         | China         |
| Gold     | Metalor Technologies (Singapore) Pte., Ltd.                   | Singapore     |
| Gold     | Metalor Technologies (Suzhou) Ltd.                            | China         |
| Gold     | Metalor Technologies S.A.                                     | Switzerland   |
| Gold     | Metalor USA Refining Corporation                              | United States |
| Gold     | Metalurgica Met-Mex Penoles S.A. De C.V.                      | Mexico        |
| Tin      | Mineracao Taboca S.A.   | Brazil        |
| Tantalum | Mineracao Taboca S.A.   | Brazil        |
| Tin      | Minsur  | Peru          |
| Gold     | Mitsubishi Materials Corporation                              | Japan         |
| Tin      | Mitsubishi Materials Corporation                              | Japan         |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.                          | Japan         |
| Gold     | Mitsui Mining and Smelting Co., Ltd.                          | Japan         |
| Gold     | MMTC-PAMP India Pvt., Ltd.                                    | India         |
| Tin      | Modeltech Sdn Bhd   | Malaysia      |
| Tungsten | Molirent Ltd.   | Russia        |
| Gold     | Moscow Special Alloys Processing Plant                        | Russia        |
| Gold     | Nadir Metal Rafineri San. Ve Tic. A.S.                        | Turkey        |
| Tungsten | Niagara Refining LLC  | United States |
| Gold     | Nihon Material Co., Ltd.                                      | Japan         |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.                    | China         |
| Tantalum | NPM Silmet AS   | Estonia       |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.                       | Thailand      |
| Tin      | O.M. Manufacturing Philippines, Inc.                          | Philippines   |
| Gold     | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH   | Austria       |
| Gold     | Ohura Precious Metal Industry Co., Ltd.                       | Japan         |
| Gold     | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant"       |               |

|          |   |               |
|----------|---|---------------|
|          | (OJSC Krastsvetmet)   | Russia        |
| Gold     | OJSC Novosibirsk Refinery   | Russia        |
| Tin      | Operaciones Metalurgicas S.A.   | Bolivia       |
| Gold     | PAMP S.A.   | Switzerland   |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                                     | Philippines   |
| Gold     | Planta Recuperadora de Metales SpA  | Chile         |
| Tantalum | Power Resources Ltd.  | Macedonia     |
| Gold     | Prioksky Plant of Non-Ferrous Metals  | Russia        |
| Gold     | PT Aneka Tambang (Persero) Tbk  | Indonesia     |
| Tin      | PT Artha Cipta Langgeng   | Indonesia     |
| Tin      | PT ATD Makmur Mandiri Jaya  | Indonesia     |
| Tin      | PT Menara Cipta Mulia   | Indonesia     |
| Tin      | PT Mitra Stania Prima   | Indonesia     |
| Tin      | PT Refined Bangka Tin   | Indonesia     |
| Tin      | PT Timah Tbk Kundur   | Indonesia     |
| Tin      | PT Timah Tbk Mentok   | Indonesia     |
| Gold     | PX Precinox S.A.  | Switzerland   |
| Tantalum | QuantumClean  | United States |
| Gold     | Rand Refinery (Pty) Ltd.  | South Africa  |
| Gold     | REMONDIS PMR B.V.   | Netherlands   |
| Tin      | Resind Industria e Comercio Ltda.   | Brazil        |
| Tantalum | Resind Industria e Comercio Ltda.   | Brazil        |
| Tantalum | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd. | China         |
| Gold     | Royal Canadian Mint   | Canada        |
| Tin      | Rui Da Hung   | Taiwan        |
| Gold     | SAAMP   | France        |
| Gold     | Safimet S.p.A   | Italy         |
| Gold     | Samduck Precious Metals   | Korea         |
| Gold     | SAXONIA Edelmetalle GmbH  | Germany       |
| Gold     | SEMPSA Joyeria Plateria S.A.  | Spain         |
| Gold     | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.                             | China         |
| Gold     | Sichuan Tianze Precious Metals Co., Ltd.                                      | China         |
| Gold     | Singway Technology Co., Ltd.  | Taiwan        |
| Gold     | SOE Shyolkovsky Factory of Secondary Precious Metals                          | Russia        |
| Tin      | Soft Metals Ltda.   | Brazil        |
| Gold     | Solar Applied Materials Technology Corp.                                      | Taiwan        |
| Tantalum | Solikamsk Magnesium Works OAO   | Russia        |
| Gold     | Sumitomo Metal Mining Co., Ltd.   | Japan         |
| Gold     | SungEel HiMetal Co., Ltd.   | Korea         |
| Gold     | T.C.A S.p.A   | Italy         |
| Tantalum | Taki Chemical Co., Ltd.   | Japan         |
| Gold     | Tanaka Kikinzoku Kogyo K.K.   | Japan         |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.   | Viet Nam      |
| Tantalum | Telex Metals  | United States |
| Tin      | Thai Nguyen Mining and Metallurgy Co., Ltd.                                   | Viet Nam      |
| Tin      | Thaisarco   | Thailand      |
| Gold     | The Refinery of Shandong Gold Mining Co., Ltd.                                | China         |
| Tin      | Tin Technology & Refining   | United States |
| Gold     | Tokuriki Honten Co., Ltd.   | Japan         |
| Gold     | Torecom   | Korea         |
| Tantalum | Ulba Metallurgical Plant JSC  | Kazakhstan    |
| Gold     | Umicore Brasil Ltda.  | Brazil        |
| Gold     | Umicore Precious Metals Thailand  | Thailand      |
| Gold     | Umicore S.A. Business Unit Precious Metals Refining                           | Belgium       |
| Tungsten | Unecha Refractory metals plant  | Russia        |
| Gold     | United Precious Metal Refining, Inc.  | United States |
| Gold     | Valcambi S.A.   | Switzerland   |
| Gold     | Western Australian Mint (T/a The Perth Mint)                                  | Australia     |
| Tin      | White Solder Metalurgia e Mineracao Ltda.                                     | Brazil        |
| Gold     | WIELAND Edelmetalle GmbH  | Germany       |
| Tungsten | Wolfram Bergbau und Hutten AG   | Austria       |
| Tungsten | Woltech Korea Co., Ltd.   | Korea         |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.  | China         |
| Tungsten | Xiamen Tungsten Co., Ltd.   | China         |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.                   | China         |

|          |   |       |
|----------|---|-------|
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.           | China |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.       | China |
| Gold     | Yamakin Co., Ltd.                                   | Japan |
| Gold     | Yokohama Metal Co., Ltd.                            | Japan |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.       | China |
| Tin      | Yunnan Tin Company Limited                          | China |
| Tin      | Yunnan Yunfan Non-ferrous Metals Co., Ltd.          | China |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | China |

## **THIS IS THE END OF THE MICROSOFT REPORT**

**nVidia:** we determined that the supply chain for our products contracted to be manufactured during the Reporting Period sourced conflict minerals from up to 284 processing facilities worldwide, of which, as of May 5, 2020:

- 237 have been validated by the RMAP as “compliant,” including all 43 smelters and refiners which were identified by the RMI as sourcing from the Covered Countries.
- Four are “active” as defined by the RMAP and in the process of being audited by an independent third party;
- 41 are classified by the RMAP as not in operation or having temporarily ceased operations, or have been reclassified as a non-smelter; and
- Two are under review by the RMAP as no longer compliant
- For 2020, Cobalt shall be tracked for the first time by nVidia.

Here is the list from nVidia:

| <b>Metal</b> | <b>Name of Smelter or Refiner</b>                             | <b>Smelter or Refiner Location</b> |
|--------------|---|------------------------------------|
| Gold         | 8853 S.p.A.   | Italy                              |
| Gold         | Advanced Chemical Company                                     | United States of America           |
| Gold         | Aida Chemical Industries Co., Ltd.                            | Japan                              |
| Gold         | Al Etihad Gold LLC  | United Arab Emirates               |
| Gold         | Allgemeine Gold-und Silberscheideanstalt A.G.                 | Germany                            |
| Gold         | Almalyk Mining and Metallurgical Complex (AMMC)               | Uzbekistan                         |
| Gold         | AngloGold Ashanti Córrego do Sítio Mineração                  | Brazil                             |
| Gold         | Argor-Heraeus S.A.  | Switzerland                        |
| Gold         | Asahi Pretec Corp.  | Japan                              |
| Gold         | Asahi Refining Canada Ltd.                                    | Canada                             |
| Gold         | Asahi Refining USA Inc.                                       | United States of America           |
| Gold         | Asaka Riken Co., Ltd.   | Japan                              |
| Gold         | AU Traders and Refiners                                       | South Africa                       |
| Gold         | Aurubis AG  | Germany                            |
| Gold         | Bangalore Refinery  | India                              |
| Gold         | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | Philippines                        |
| Gold         | Boliden AB  | Sweden                             |
| Gold         | C. Hafner GmbH + Co. KG                                       | Germany                            |
| Gold         | CCR Refinery - Glencore Canada Corporation                    | Canada                             |
| Gold         | Cendres + Metaux S.A.   | Switzerland                        |

|      |   |                           |
|------|---|---------------------------|
| Gold | Chimet S.p.A.   | Italy                     |
| Gold | Chugai Mining   | Japan                     |
| Gold | Daejin Indus Co., Ltd.  | Korea (Republic of)       |
| Gold | Daye Non-Ferrous Metals Mining Ltd.                             | China                     |
| Gold | DODUCO GmbH   | Germany                   |
| Gold | Dowa  | Japan                     |
| Gold | DS Pretech Co., Ltd.  | Korea (Republic of)       |
| Gold | DSC (Do Sung Corporation)                                       | Korea (Republic of)       |
| Gold | Eco-System Recycling Co., Ltd.                                  | Japan                     |
| Gold | Eco-System Recycling Co., Ltd. North Plant                      | Japan                     |
| Gold | Eco-System Recycling Co., Ltd. West Plant                       | Japan                     |
| Gold | Emirates Gold DMCC  | United Arab Emirates      |
| Gold | Geib Refining Corporation                                       | United States of America  |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd.                   | China                     |
| Gold | Great Wall Precious Metals Co., Ltd. of CBPM                    | China                     |
| Gold | HeeSung Metal Ltd.  | Korea (Republic of)       |
| Gold | Heimerle + Meule GmbH   | Germany                   |
| Gold | Heraeus Metals Hong Kong Ltd.                                   | China                     |
| Gold | Heraeus Precious Metals GmbH & Co. KG                           | Germany                   |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | China                     |
| Gold | Ishifuku Metal Industry Co., Ltd.                               | Japan                     |
| Gold | Istanbul Gold Refinery  | Turkey                    |
| Gold | SAXONIA Edelmetalle GmbH  | Germany                   |
| Gold | SEMPSA Joyería Platería S.A.                                    | Spain                     |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.               | China                     |
| Gold | Sichuan Tianze Precious Metals Co., Ltd.                        | China                     |
| Gold | Singway Technology Co., Ltd.                                    | Taiwan, Province of China |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals            | Russian Federation        |
| Gold | Solar Applied Materials Technology Corp.                        | Taiwan, Province of China |
| Gold | Sumitomo Metal Mining Co., Ltd.                                 | Japan                     |
| Gold | SungEel HiMetal Co., Ltd.                                       | Korea (Republic of)       |
| Gold | T.C.A S.p.A   | Italy                     |
| Gold | Tanaka Kikinzoku Kogyo K.K.                                     | Japan                     |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.                  | China                     |
| Gold | Tokuriki Honten Co., Ltd.                                       | Japan                     |
| Gold | TOO Tau-Ken-Altyn   | Kazakhstan                |
| Gold | Torecom   | Korea (Republic of)       |
| Gold | Umicore Brasil Ltda.  | Brazil                    |
| Gold | Umicore Precious Metals Thailand                                | Thailand                  |
| Gold | Umicore S.A. Business Unit Precious Metals Refining             | Belgium                   |

|          |   |                          |
|----------|---|--------------------------|
| Gold     | United Precious Metal Refining, Inc.                | United States of America |
| Gold     | Valcambi S.A.                                       | Switzerland              |
| Gold     | Western Australian Mint trading as The Perth Mint   | Australia                |
| Gold     | WIELAND Edelmetalle GmbH                            | Germany                  |
| Gold     | Yamakin Co., Ltd.                                   | Japan                    |
| Gold     | Yokohama Metal Co., Ltd.                            | Japan                    |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | China                    |
| Tantalum | Asaka Riken Co., Ltd.                               | China                    |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.           | China                    |
| Tantalum | CP Metals Inc.                                      | United States of America |
| Tantalum | D Block Metals, LLC                                 | United States of America |
| Tantalum | Exotech Inc.  | United States of America |
| Tantalum | F&X Electro-Materials Ltd.                          | China                    |
| Tantalum | FIR Metals & Resource Ltd.                          | China                    |
| Tantalum | Global Advanced Metals Aizu                         | Japan                    |
| Tantalum | Global Advanced Metals Boyertown                    | United States of America |
| Tantalum | Guangdong Rising Rare Metals-EO Materials Ltd.      | China                    |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.            | China                    |
| Tantalum | H.C. Starck Co., Ltd.                               | Thailand                 |
| Tantalum | H.C. Starck Hermsdorf GmbH                          | Germany                  |
| Tantalum | H.C. Starck Inc.                                    | United States of America |
| Tantalum | H.C. Starck Ltd.                                    | Japan                    |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                  | Germany                  |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH               | Germany                  |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.   | China                    |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.        | China                    |
| Tantalum | Jiangxi Tuohong New Raw Material                    | China                    |
| Tantalum | Jiujiang Janny New Material Co., Ltd.               | China                    |
| Tantalum | Jiujiang JinXin Nonferrous Metals Co., Ltd.         | China                    |
| Tantalum | Jiujiang Tanbre Co., Ltd.                           | China                    |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.       | China                    |
| Tantalum | KEMET Blue Metals                                   | Mexico                   |
| Tantalum | KEMET Blue Powder                                   | United States of America |
| Tantalum | LSM Brasil S.A.                                     | Brazil                   |
| Tantalum | Metallurgical Products India Pvt., Ltd.             | India                    |
| Tantalum | Mineração Taboca S.A.                               | Brazil                   |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.                | Japan                    |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.          | China                    |
| Tantalum | NPM Silmet AS                                       | China                    |

|     |   |                                     |
|-----|---|-------------------------------------|
| Tin | Ma'anshan Weitai Tin Co., Ltd.          | China                               |
| Tin | Magnu's Minerais Metais e Ligas Ltda.   | Brazil                              |
| Tin | Malaysia Smelting Corporation (MSC)     | Malaysia                            |
| Tin | Melt Metais e Ligas S.A.                | Brazil                              |
| Tin | Metallic Resources, Inc.                | United States of America            |
| Tin | Metallo Belgium N.V.                    | Belgium                             |
| Tin | Metallo Spain S.L.U.                    | Spain                               |
| Tin | Mineração Taboca S.A.                   | Brazil                              |
| Tin | Minsur                                  | Peru                                |
| Tin | Mitsubishi Materials Corporation        | Japan                               |
| Tin | Modeltech Sdn Bhd                       | Malaysia                            |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd. | Thailand                            |
| Tin | O.M. Manufacturing Philippines, Inc.    | Philippines                         |
| Tin | Operaciones Metalurgical S.A.           | Bolivia<br>(Plurinational State of) |
| Tin | Precious Minerals and Smelting Limited  | India                               |
| Tin | PT Aries Kencana Sejahtera              | Indonesia                           |
| Tin | PT Artha Cipta Langgeng                 | Indonesia                           |
| Tin | PT ATD Makmur Mandiri Jaya              | Indonesia                           |
| Tin | PT Babel Inti Perkasa                   | Indonesia                           |
| Tin | PT Bangka Prima Tin                     | Indonesia                           |
| Tin | PT Bangka Serumpun                      | Indonesia                           |
| Tin | PT Babel Surya Alam Lestari             | Indonesia                           |
| Tin | PT Bangka Tin Industry                  | Indonesia                           |
| Tin | PT Belitung Industri Sejahtera          | Indonesia                           |
| Tin | PT Bukit Timah                          | Indonesia                           |
| Tin | PT DS Jaya Abadi                        | Indonesia                           |
| Tin | PT Eunindo Usaha Mandiri                | Indonesia                           |
| Tin | PT Inti Stania Prima                    | Indonesia                           |
| Tin | PT Karimun Mining                       | Indonesia                           |
| Tin | PT Kijang Jaya Mandiri                  | Indonesia                           |
| Tin | PT Lautan Harmonis Sejahtera            | Indonesia                           |
| Tin | PT Menara Cipta Mulia                   | Indonesia                           |
| Tin | PT Mitra Stania Prima                   | Indonesia                           |
| Tin | PT Panca Mega Persada                   | Indonesia                           |
| Tin | PT Premium Tin Indonesia                | Indonesia                           |
| Tin | PT Prima Timah Utama                    | Indonesia                           |
| Tin | PT Rajawali Rimba Perkasa               | Indonesia                           |
| Tin | PT Rajehan Ariq                         | Indonesia                           |
| Tin | PT Refined Bangka Tin                   | Indonesia                           |
| Tin | PT Sariwiguna Binasentosa               | Indonesia                           |

|          |   |                           |
|----------|---|---------------------------|
| Tin      | PT Stanindo Inti Perkasa                        | Indonesia                 |
| Tin      | PT Sukses Inti Makmur                           | Indonesia                 |
| Tin      | PT Sumber Jaya Indah                            | Indonesia                 |
| Tin      | PT Timah (Persero) Tbk Kunder                   | Indonesia                 |
| Tin      | PT Timah (Persero) Tbk Mentok                   | Indonesia                 |
| Tin      | PT Tinindo Inter Nusa                           | Indonesia                 |
| Tin      | PT Tirus Putra Mandiri                          | Indonesia                 |
| Tin      | PT Tommy Utama                                  | Indonesia                 |
| Tin      | Resind Indústria e Comércio Ltda.               | Brazil                    |
| Tin      | Rui Da Hung                                     | Taiwan, Province of China |
| Tin      | Soft Metais Ltda.                               | Brazil                    |
| Tin      | Thai Nguyen Mining and Metallurgy Co., Ltd.     | Viet Nam                  |
| Tin      | Thaisarco                                       | Thailand                  |
| Tin      | Tin Technology & Refining                       | United States of America  |
| Tin      | White Solder Metalurgia e Mineração Ltda.       | Brazil                    |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.   | China                     |
| Tin      | Yunnan Tin Company Limited                      | China                     |
| Tin      | Yunnan Yunfan Non-ferrous Metals Co., Ltd.      | China                     |
| Tungsten | A.L.M.T. TUNGSTEN Corp.                         | Japan                     |
| Tungsten | ACL Metais Eireli                               | Brazil                    |
| Tungsten | Asia Tungsten Products Vietnam Ltd.             | Viet Nam                  |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.    | China                     |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.            | China                     |
| Tungsten | Fujian Ganmin RareMetal Co., Ltd.               | China                     |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                | China                     |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.            | China                     |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.     | China                     |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.         | China                     |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.              | China                     |
| Tungsten | Global Tungsten & Powders Corp.                 | United States of America  |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.            | China                     |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG              | Germany                   |
| Tungsten | H.C. Starck Tungsten GmbH                       | Germany                   |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                 | China                     |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji | China                     |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.     | China                     |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.        | China                     |
| Tungsten | Hydrometallurg, JSC                             | Russian Federation        |
| Tungsten | Japan New Metals Co., Ltd.                      | Japan                     |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd. | China                     |



|          |   |                          |
|----------|---|--------------------------|
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | China                    |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | China                    |
| Tungsten | Jiangxi Dayu Longxintai Tungsten Co., Ltd.                    | China                    |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.                  | China                    |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | China                    |
| Tungsten | JSC "Kirovgrad Hard Alloys Plant"                             | Russian Federation       |
| Tungsten | Kennametal Fallon   | United States of America |
| Tungsten | Kennametal Huntsville   | United States of America |
| Tungsten | KGETS Co., Ltd.   | Korea, Republic of       |
| Tungsten | Lianyou Metals Co., Ltd.                                      | Taiwan, Province of      |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | China                    |
| Tungsten | Masan Tungsten Chemical LLC (MTC)                             | Viet Nam                 |
| Tungsten | Moliren Ltd   | Russian Federation       |
| Tungsten | Niagara Refining LLC  | United States of America |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                     | Philippines              |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City  | China                    |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | Viet Nam                 |
| Tungsten | Unecha Refractory metals plant                                | Russian Federation       |
| Tungsten | Vietnam Youngsun Tungsten Industry Co., Ltd.                  | Viet Nam                 |
| Tungsten | Wolfram Bergbau und Hütten AG                                 | Austria                  |
| Tungsten | Woltech Korea Co., Ltd.                                       | Korea (Republic of)      |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                              | China                    |
| Tungsten | Xiamen Tungsten Co., Ltd.                                     | China                    |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.   | China                    |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                     | China                    |

**THIS IS THE END OF THE NVIDIA REPORT**

**OPENTEXT – Software only**

Opentext is a pure software company and does not have any hardware operations and therefore has no smelting operations. Why they were listed originally was because they are market a software solution for supply chain management including conflict minerals and completing the Form SD for the SEC. They shall be removed from future report consideration.

**PNY Quadro:** All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”).

Here is the smelter list from PNY Quadro:

| <b>Metal (*)</b> | <b>Smelter Look-up (*)</b> | <b>Smelter Country (*)</b> | <b>Smelter Identification</b> |
|------------------|----------------------------|----------------------------|-------------------------------|
|------------------|----------------------------|----------------------------|-------------------------------|

|          |   |                          |           |
|----------|---|--------------------------|-----------|
| Tantalum | Asaka Riken Co., Ltd.                             | JAPAN                    | CID000092 |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.         | CHINA                    | CID000211 |
| Tantalum | CP Metals Inc.                                    | UNITED STATES OF AMERICA | CID003402 |
| Tantalum | D Block Metals, LLC                               | UNITED STATES OF AMERICA | CID002504 |
| Tantalum | Exotech Inc.                                      | UNITED STATES OF AMERICA | CID000456 |
| Tantalum | F&X Electro-Materials Ltd.                        | CHINA                    | CID000460 |
| Tantalum | FIR Metals & Resource Ltd.                        | CHINA                    | CID002505 |
| Tantalum | Global Advanced Metals Aizu                       | JAPAN                    | CID002558 |
| Tantalum | Global Advanced Metals Boyertown                  | UNITED STATES OF AMERICA | CID002557 |
| Tantalum | Smelter not listed                                | CHINA                    |           |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.          | CHINA                    | CID000616 |
| Tantalum | H.C. Starck Co., Ltd.                             | THAILAND                 | CID002544 |
| Tantalum | H.C. Starck Hermsdorf GmbH                        | GERMANY                  | CID002547 |
| Tantalum | H.C. Starck Inc.                                  | UNITED STATES OF AMERICA | CID002548 |
| Tantalum | H.C. Starck Ltd.                                  | JAPAN                    | CID002549 |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                | GERMANY                  | CID002550 |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH             | GERMANY                  | CID002545 |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA                    | CID002492 |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.      | CHINA                    | CID002512 |
| Tantalum | Jiangxi Tuohong New Raw Material                  | CHINA                    | CID002842 |
| Tantalum | Smelter not listed                                | CHINA                    |           |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.       | CHINA                    | CID000914 |
| Tantalum | Jiujiang Tanbre Co., Ltd.                         | CHINA                    | CID000917 |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.     | CHINA                    | CID002506 |

|          |   |  |           |
|----------|---|--|-----------|
| Tantalum | KEMET Blue Metals   | MEXICO                                     | CID002539 |
| Tantalum | Smelter not listed  | UNITED STATES OF AMERICA                   |           |
| Tantalum | LSM Brasil S.A.   | BRAZIL                                     | CID001076 |
| Tantalum | Metallurgical Products India Pvt., Ltd.                                       | INDIA                                      | CID001163 |
| Tantalum | Mineracao Taboca S.A.   | BRAZIL                                     | CID001175 |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                                      | CID001192 |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.                                    | CHINA                                      | CID001277 |
| Tantalum | NPM Silmet AS   | ESTONIA                                    | CID001200 |
| Tantalum | Power Resources Ltd.  | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF | CID002847 |
| Tantalum | QuantumClean  | UNITED STATES OF AMERICA                   | CID001508 |
| Tantalum | Resind Industria e Comercio Ltda.   | BRAZIL                                     | CID002707 |
| Tantalum | Solikamsk Magnesium Works OAO   | RUSSIAN FEDERATION                         | CID001769 |
| Tantalum | Taki Chemical Co., Ltd.   | JAPAN                                      | CID001869 |
| Tantalum | Telex Metals  | UNITED STATES OF AMERICA                   | CID001891 |
| Tantalum | Ulba Metallurgical Plant JSC  | KAZAKHSTAN                                 | CID001969 |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.                                 | CHINA                                      | CID002508 |
| Tantalum | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd. | CHINA                                      | CID001522 |
| Tin      | Alpha   | UNITED STATES OF AMERICA                   | CID000292 |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                             | CHINA                                      | CID000228 |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.                                       | CHINA                                      | CID003190 |
| Tin      | China Tin Group Co., Ltd.   | CHINA                                      | CID001070 |
| Tin      | Smelter not listed  | INDONESIA                                  |           |

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|-----|---|----------------------------------|-----------|
| Tin | Smelter not listed                                  | INDONESIA                        |           |
| Tin | Smelter not listed                                  | INDONESIA                        |           |
| Tin | Smelter not listed                                  | INDONESIA                        |           |
| Tin | Smelter not listed                                  | INDONESIA                        |           |
| Tin | Dongguan CiEXPO Environmental Engineering Co., Ltd. | CHINA                            | CID003356 |
| Tin | Dowa  | JAPAN                            | CID000402 |
| Tin | EM Vinto  | BOLIVIA (PLURINATIONAL STATE OF) | CID000438 |
| Tin | Fenix Metals  | POLAND                           | CID000468 |
| Tin | Smelter not listed                                  | CHINA                            |           |
| Tin | Smelter not listed                                  | CHINA                            |           |
| Tin | Gejiu Kai Meng Industry and Trade LLC               | CHINA                            | CID000942 |
| Tin | Gejiu Non-Ferrous Metal Processing Co., Ltd.        | CHINA                            | CID000538 |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.      | CHINA                            | CID001908 |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd.          | CHINA                            | CID000555 |
| Tin | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.         | CHINA                            | CID003116 |
| Tin | Guanyang Guida Nonferrous Metal Smelting Plant      | CHINA                            | CID002849 |
| Tin | HuiChang Hill Tin Industry Co., Ltd.                | CHINA                            | CID002844 |
| Tin | Huichang Jinshunda Tin Co., Ltd.                    | CHINA                            | CID000760 |
| Tin | Smelter not listed                                  | CHINA                            |           |
| Tin | Jiangxi New Nanshan Technology Ltd.                 | CHINA                            | CID001231 |
| Tin | Ma'anshan Weitai Tin Co., Ltd.                      | CHINA                            | CID003379 |
| Tin | Magnu's Minerais Metais e Ligas Ltda.               | BRAZIL                           | CID002468 |
| Tin | Malaysia Smelting Corporation (MSC)                 | MALAYSIA                         | CID001105 |

|     |   |                                  |           |
|-----|---|----------------------------------|-----------|
| Tin | Melt Metais e Ligas S.A.                | BRAZIL                           | CID002500 |
| Tin | Metallic Resources, Inc.                | UNITED STATES OF AMERICA         | CID001142 |
| Tin | Metallo Belgium N.V.                    | BELGIUM                          | CID002773 |
| Tin | Metallo Spain S.L.U.                    | SPAIN                            | CID002774 |
| Tin | Mineracao Taboca S.A.                   | BRAZIL                           | CID001173 |
| Tin | Minsur                                  | PERU                             | CID001182 |
| Tin | Mitsubishi Materials Corporation        | JAPAN                            | CID001191 |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd. | THAILAND                         | CID001314 |
| Tin | O.M. Manufacturing Philippines, Inc.    | PHILIPPINES                      | CID002517 |
| Tin | Operaciones Metalurgicas S.A.           | BOLIVIA (PLURINATIONAL STATE OF) | CID001337 |
| Tin | Precious Minerals and Smelting Limited  | INDIA                            | CID003409 |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | PT Artha Cipta Langgeng                 | INDONESIA                        | CID001399 |
| Tin | PT ATD Makmur Mandiri Jaya              | INDONESIA                        | CID002503 |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |
| Tin | Smelter not listed                      | INDONESIA                        |           |

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|-----|-----------------------------------|---------------------------------|-----------|
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | PT Mitra Stania Prima             | INDONESIA                       | CID001453 |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | PT Refined Bangka Tin             | INDONESIA                       | CID001460 |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | PT Timah Tbk Kundur               | INDONESIA                       | CID001477 |
| Tin | PT Timah Tbk Mentok               | INDONESIA                       | CID001482 |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Smelter not listed                | INDONESIA                       |           |
| Tin | Resind Industria e Comercio Ltda. | BRAZIL                          | CID002706 |
| Tin | Rui Da Hung                       | TAIWAN,<br>PROVINCE OF<br>CHINA | CID001539 |

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|------|---|--------------------------|-----------|
| Tin  | Soft Metais Ltda.                               | BRAZIL                   | CID001758 |
| Tin  | Thai Nguyen Mining and Metallurgy Co., Ltd.     | VIET NAM                 | CID002834 |
| Tin  | Thaisarco                                       | THAILAND                 | CID001898 |
| Tin  | Tin Technology & Refining                       | UNITED STATES OF AMERICA | CID003325 |
| Tin  | White Solder Metalurgia e Mineracao Ltda.       | BRAZIL                   | CID002036 |
| Tin  | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.   | CHINA                    | CID002158 |
| Tin  | Yunnan Tin Company Limited                      | CHINA                    | CID002180 |
| Tin  | Yunnan Yunfan Non-ferrous Metals Co., Ltd.      | CHINA                    | CID003397 |
| Gold | 8853 S.p.A.                                     | ITALY                    | CID002763 |
| Gold | Advanced Chemical Company                       | UNITED STATES OF AMERICA | CID000015 |
| Gold | Aida Chemical Industries Co., Ltd.              | JAPAN                    | CID000019 |
| Gold | Al Etihad Gold Refinery DMCC                    | UNITED ARAB EMIRATES     | CID002560 |
| Gold | Allgemeine Gold-und Silberscheideanstalt A.G.   | GERMANY                  | CID000035 |
| Gold | Almalyk Mining and Metallurgical Complex (AMMC) | UZBEKISTAN               | CID000041 |
| Gold | AngloGold Ashanti Corrego do Sitio Mineracao    | BRAZIL                   | CID000058 |
| Gold | Argor-Heraeus S.A.                              | SWITZERLAND              | CID000077 |
| Gold | Asahi Pretec Corp.                              | JAPAN                    | CID000082 |
| Gold | Asahi Refining Canada Ltd.                      | CANADA                   | CID000924 |
| Gold | Asahi Refining USA Inc.                         | UNITED STATES OF AMERICA | CID000920 |
| Gold | Asaka Riken Co., Ltd.                           | JAPAN                    | CID000090 |
| Gold | AU Traders and Refiners                         | SOUTH AFRICA             | CID002850 |
| Gold | Aurubis AG                                      | GERMANY                  | CID000113 |
| Gold | Bangalore Refinery                              | INDIA                    | CID002863 |

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|------|---|-----------------------------|-----------|
| Gold | Bangko Sentral ng Pilipinas<br>(Central Bank of the<br>Philippines) | PHILIPPINES                 | CID000128 |
| Gold | Boliden AB  | SWEDEN                      | CID000157 |
| Gold | C. Hafner GmbH + Co. KG   | GERMANY                     | CID000176 |
| Gold | CCR Refinery - Glencore<br>Canada Corporation                       | CANADA                      | CID000185 |
| Gold | Cendres + Metaux S.A.   | SWITZERLAND                 | CID000189 |
| Gold | Chimet S.p.A.   | ITALY                       | CID000233 |
| Gold | Chugai Mining   | JAPAN                       | CID000264 |
| Gold | Smelter not listed  | KOREA, REPUBLIC<br>OF       |           |
| Gold | Daye Non-Ferrous Metals<br>Mining Ltd.                              | CHINA                       | CID000343 |
| Gold | DODUCO Contacts and<br>Refining GmbH                                | GERMANY                     | CID000362 |
| Gold | Dowa  | JAPAN                       | CID000401 |
| Gold | DS PRETECH Co., Ltd.  | KOREA, REPUBLIC<br>OF       | CID003195 |
| Gold | DSC (Do Sung Corporation)   | KOREA, REPUBLIC<br>OF       | CID000359 |
| Gold | Eco-System Recycling Co.,<br>Ltd.                                   | JAPAN                       | CID000425 |
| Gold | Smelter not listed  | JAPAN                       | CID003424 |
| Gold | Smelter not listed  | JAPAN                       | CID003425 |
| Gold | Emirates Gold DMCC  | UNITED ARAB<br>EMIRATES     | CID002561 |
| Gold | Geib Refining Corporation   | UNITED STATES OF<br>AMERICA | CID002459 |
| Gold | Gold Refinery of Zijin Mining<br>Group Co., Ltd.                    | CHINA                       | CID002243 |
| Gold | Great Wall Precious Metals<br>Co., Ltd. of CBPM                     | CHINA                       | CID001909 |
| Gold | Heimerle + Meule GmbH   | GERMANY                     | CID000694 |
| Gold | Heraeus Metals Hong Kong<br>Ltd.                                    | CHINA                       | CID000707 |
| Gold | Heraeus Precious Metals<br>GmbH & Co. KG                            | GERMANY                     | CID000711 |



|      |   |                             |           |
|------|---|-----------------------------|-----------|
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                       | CID000801 |
| Gold | Ishifuku Metal Industry Co., Ltd.                               | JAPAN                       | CID000807 |
| Gold | Istanbul Gold Refinery  | TURKEY                      | CID000814 |
| Gold | Italpreziosi  | ITALY                       | CID002765 |
| Gold | Japan Mint  | JAPAN                       | CID000823 |
| Gold | Jiangxi Copper Co., Ltd.  | CHINA                       | CID000855 |
| Gold | JSC Uralelectromed  | RUSSIAN<br>FEDERATION       | CID000929 |
| Gold | JX Nippon Mining & Metals Co., Ltd.                             | JAPAN                       | CID000937 |
| Gold | Kazzinc   | KAZAKHSTAN                  | CID000957 |
| Gold | Kennecott Utah Copper LLC                                       | UNITED STATES OF<br>AMERICA | CID000969 |
| Gold | KGHM Polska Miedz Spolka Akcyjna                                | POLAND                      | CID002511 |
| Gold | Kojima Chemicals Co., Ltd.                                      | JAPAN                       | CID000981 |
| Gold | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC<br>OF       | CID002605 |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN                  | CID001029 |
| Gold | L'Orfebre S.A.  | ANDORRA                     | CID002762 |
| Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC<br>OF       | CID001078 |
| Gold | HeeSung Metal Ltd.  | KOREA, REPUBLIC<br>OF       | CID000689 |
| Gold | Marsam Metals   | BRAZIL                      | CID002606 |
| Gold | Materion  | UNITED STATES OF<br>AMERICA | CID001113 |
| Gold | Matsuda Sangyo Co., Ltd.  | JAPAN                       | CID001119 |
| Gold | Metalor Technologies (Hong Kong) Ltd.                           | CHINA                       | CID001149 |
| Gold | Metalor Technologies (Singapore) Pte., Ltd.                     | SINGAPORE                   | CID001152 |
| Gold | Metalor Technologies (Suzhou) Ltd.                              | CHINA                       | CID001147 |

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|------|---|--------------------------|-----------|
| Gold | Metalor Technologies S.A.   | SWITZERLAND              | CID001153 |
| Gold | Metalor USA Refining Corporation  | UNITED STATES OF AMERICA | CID001157 |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO                   | CID001161 |
| Gold | Mitsubishi Materials Corporation  | JAPAN                    | CID001188 |
| Gold | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                    | CID001193 |
| Gold | MMTC-PAMP India Pvt., Ltd.  | INDIA                    | CID002509 |
| Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION       | CID001204 |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                   | CID001220 |
| Gold | Navoi Mining and Metallurgical Combinat                                     | UZBEKISTAN               | CID001236 |
| Gold | Nihon Material Co., Ltd.  | JAPAN                    | CID001259 |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH                 | AUSTRIA                  | CID002779 |
| Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                    | CID001325 |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION       | CID001326 |
| Gold | OJSC Novosibirsk Refinery   | RUSSIAN FEDERATION       | CID000493 |
| Gold | PAMP S.A.   | SWITZERLAND              | CID001352 |
| Gold | Planta Recuperadora de Metales SpA  | CHILE                    | CID002919 |
| Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION       | CID001386 |
| Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA                | CID001397 |
| Gold | PX Precinox S.A.  | SWITZERLAND              | CID001498 |
| Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA             | CID001512 |
| Gold | REMONDIS PMR B.V.   | NETHERLANDS              | CID002582 |
| Gold | Smelter not listed  | UNITED STATES OF AMERICA |           |

|      |  |                           |           |
|------|--|---------------------------|-----------|
| Gold | Royal Canadian Mint                                  | CANADA                    | CID001534 |
| Gold | SAAMP  | FRANCE                    | CID002761 |
| Gold | Safimet S.p.A  | ITALY                     | CID002973 |
| Gold | SAFINA A.S.  | CZECHIA                   | CID002290 |
| Gold | Samduck Precious Metals                              | KOREA, REPUBLIC OF        | CID001555 |
| Gold | SAXONIA Edelmetalle GmbH                             | GERMANY                   | CID002777 |
| Gold | SEMPSA Joyeria Plateria S.A.                         | SPAIN                     | CID001585 |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.    | CHINA                     | CID001622 |
| Gold | Sichuan Tianze Precious Metals Co., Ltd.             | CHINA                     | CID001736 |
| Gold | Singway Technology Co., Ltd.                         | TAIWAN, PROVINCE OF CHINA | CID002516 |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals | RUSSIAN FEDERATION        | CID001756 |
| Gold | Solar Applied Materials Technology Corp.             | TAIWAN, PROVINCE OF CHINA | CID001761 |
| Gold | Sumitomo Metal Mining Co., Ltd.                      | JAPAN                     | CID001798 |
| Gold | SungEel HiMetal Co., Ltd.                            | KOREA, REPUBLIC OF        | CID002918 |
| Gold | T.C.A S.p.A  | ITALY                     | CID002580 |
| Gold | Tanaka Kikinzoku Kogyo K.K.                          | JAPAN                     | CID001875 |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.       | CHINA                     | CID001916 |
| Gold | Tokuriki Honten Co., Ltd.                            | JAPAN                     | CID001938 |
| Gold | TOO Tau-Ken-Altyn                                    | KAZAKHSTAN                | CID002615 |
| Gold | Torecom  | KOREA, REPUBLIC OF        | CID001955 |
| Gold | Umicore Brasil Ltda.                                 | BRAZIL                    | CID001977 |
| Gold | Umicore Precious Metals Thailand                     | THAILAND                  | CID002314 |
| Gold | Umicore S.A. Business Unit Precious Metals Refining  | BELGIUM                   | CID001980 |

|          |   |                          |           |
|----------|---|--------------------------|-----------|
| Gold     | United Precious Metal Refining, Inc.                | UNITED STATES OF AMERICA | CID001993 |
| Gold     | Valcambi S.A.                                       | SWITZERLAND              | CID002003 |
| Gold     | Western Australian Mint (T/a The Perth Mint)        | AUSTRALIA                | CID002030 |
| Gold     | WIELAND Edelmetalle GmbH                            | GERMANY                  | CID002778 |
| Gold     | Yamakin Co., Ltd.                                   | JAPAN                    | CID002100 |
| Gold     | Yokohama Metal Co., Ltd.                            | JAPAN                    | CID002129 |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | CHINA                    | CID002224 |
| Tungsten | A.L.M.T. Corp.                                      | JAPAN                    | CID000004 |
| Tungsten | ACL Metais Eireli                                   | BRAZIL                   | CID002833 |
| Tungsten | Smelter not listed                                  | VIET NAM                 | CID002502 |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.        | CHINA                    | CID002513 |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                | CHINA                    | CID000258 |
| Tungsten | Fujian Ganmin RareMetal Co., Ltd.                   | CHINA                    | CID003401 |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                    | CHINA                    | CID000499 |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                | CHINA                    | CID002645 |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.         | CHINA                    | CID000875 |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.             | CHINA                    | CID002315 |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                  | CHINA                    | CID002494 |
| Tungsten | Global Tungsten & Powders Corp.                     | UNITED STATES OF AMERICA | CID000568 |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                | CHINA                    | CID000218 |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                  | GERMANY                  | CID002542 |
| Tungsten | H.C. Starck Tungsten GmbH                           | GERMANY                  | CID002541 |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                     | CHINA                    | CID000766 |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji     | CHINA                    | CID002579 |

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|----------|---|---------------------------|-----------|
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                   | CHINA                     | CID000769 |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.                      | CHINA                     | CID003182 |
| Tungsten | Hydrometallurg, JSC   | RUSSIAN FEDERATION        | CID002649 |
| Tungsten | Japan New Metals Co., Ltd.                                    | JAPAN                     | CID000825 |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.               | CHINA                     | CID002551 |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                     | CID002321 |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                     | CID002318 |
| Tungsten | Jiangxi Dayu Longxintai Tungsten Co., Ltd.                    | CHINA                     | CID002647 |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.                  | CHINA                     | CID002317 |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | CHINA                     | CID002316 |
| Tungsten | JSC "Kirovgrad Hard Alloys Plant"                             | RUSSIAN FEDERATION        | CID003408 |
| Tungsten | Kennametal Fallon   | UNITED STATES OF AMERICA  | CID000966 |
| Tungsten | Kennametal Huntsville   | UNITED STATES OF AMERICA  | CID000105 |
| Tungsten | KGETS Co., Ltd.   | KOREA, REPUBLIC OF        | CID003388 |
| Tungsten | Lianyou Metals Co., Ltd.                                      | TAIWAN, PROVINCE OF CHINA | CID003407 |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | CHINA                     | CID002319 |
| Tungsten | Masan Tungsten Chemical LLC (MTC)                             | VIET NAM                  | CID002543 |
| Tungsten | Moliren Ltd.  | RUSSIAN FEDERATION        | CID002845 |
| Tungsten | Niagara Refining LLC  | UNITED STATES OF AMERICA  | CID002589 |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                     | PHILIPPINES               | CID002827 |
| Tungsten | Smelter not listed  | CHINA                     |           |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | VIET NAM                  | CID001889 |
| Tungsten | Unecha Refractory metals plant                                | RUSSIAN FEDERATION        | CID002724 |

|          |   |                    |           |
|----------|---|--------------------|-----------|
| Tungsten | Smelter not listed  | VIET NAM           |           |
| Tungsten | Wolfram Bergbau und Hutten AG                               | AUSTRIA            | CID002044 |
| Tungsten | Woltech Korea Co., Ltd.                                     | KOREA, REPUBLIC OF | CID002843 |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                            | CHINA              | CID002320 |
| Tungsten | Xiamen Tungsten Co., Ltd.                                   | CHINA              | CID002082 |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd. | CHINA              | CID002830 |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                   | CHINA              | CID002095 |

## **THIS IS THE END OF THE PNY Quadro REPORT**

### **Samsung - Samsung Conflict Mineral Policy**

Samsung is trying in order to fulfill the responsibility as a global company thinking of the future of the mankind and environment. Recently, human rights violations and environmental degradation caused by the mining of minerals in Indonesia and conflict-affected regions in Africa have both emerged as key global challenges. In response, Samsung strives to improve human rights and help the environment in conflict-affected regions by establishing a responsible supply chain management system and encouraging more suppliers to participate. Samsung considers environmental degradation and human rights violations in conflict areas as serious ethical issues in conflict regions in 10 countries, including the Democratic Republic of the Congo. Thus, it has banned the use of conflict minerals (3TG: tantalum, tin, tungsten, gold) that are mined in an unethical manner in conflict regions. Samsung manages the supply chain based on a principle of providing products that are produced through an ethical distribution process and by conducting thorough examinations on the inclusion of conflict minerals in its products. To consolidate its Conflict-free System, Samsung implemented due diligence process for conflict minerals in line with the 'OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas'. In addition, we encourage suppliers to switch to smelters certified by the Conflict Free Smelter Program (CFSP), and require uncertified smelters in our supply chain to become certified by the CFSP. Furthermore, Samsung provides guidelines to suppliers and raises their awareness about conflict minerals issues through education and support, while also conducting regular investigations into the use of conflict minerals throughout the supply chain. Internally, we review information submitted by suppliers and conduct on-site inspections of companies whose systems require additional verification.

This is the Samsung list of smelters:

| <b>Metal</b> | <b>ID</b> | <b>Smelter Name</b>           | <b>Location</b> |
|--------------|-----------|-------------------------------|-----------------|
| Gold         | CID000015 | Advanced Chemical Company     | USA             |
| Gold         | CID000019 | Aida Chemical Industries Co., | Japan           |
| Gold         | CID000035 | Allgemeine Gold-und           | Germany         |
| Gold         | CID000041 | Almalyk Mining and            | Uzbekistan      |
| Gold         | CID000058 | AngloGold Ashanti Corrego do  | Brazil          |
| Gold         | CID000077 | Argor-Heraeus S.A.            | Switzerland     |
| Gold         | CID000082 | Asahi Pretec Corp.            | Japan           |

|      |           |                                   |             |
|------|-----------|-----------------------------------|-------------|
| Gold | CID000090 | Asaka Riken Co., Ltd.             | Japan       |
| Gold | CID000113 | Aurubis AG                        | Germany     |
| Gold | CID000128 | Bangko Sentral ng Pilipinas       | Philippines |
| Gold | CID000157 | Boliden AB                        | Sweden      |
| Gold | CID000176 | C. Hafner GmbH + Co. KG           | Germany     |
| Gold | CID000185 | CCR Refinery - Glencore Canada    | Canada      |
| Gold | CID000189 | Cendres + Metaux S.A.             | Switzerland |
| Gold | CID000233 | Chimet S.p.A.                     | Italy       |
| Gold | CID000264 | Chugai Mining                     | Japan       |
| Gold | CID000328 | Daejin Indus Co., Ltd.            | Korea       |
| Gold | CID000359 | DSC (Do Sung Corporation)         | Korea       |
| Gold | CID000362 | DODUCO Contacts and Refining      | Germany     |
| Gold | CID000401 | Dowa                              | Japan       |
| Gold | CID000425 | Eco-System Recycling Co., Ltd.    | Japan       |
| Gold | CID000493 | OJSC Novosibirsk Refinery         | Russia      |
| Gold | CID000689 | HeeSung Metal Ltd.                | Korea       |
| Gold | CID000694 | Heimerle + Meule GmbH             | Germany     |
| Gold | CID000707 | Heraeus Metals Hong Kong Ltd.     | China       |
| Gold | CID000711 | Heraeus Precious Metals GmbH      | Germany     |
| Gold | CID000801 | Inner Mongolia Qiankun Gold       | China       |
| Gold | CID000807 | Ishifuku Metal Industry Co., Ltd. | Japan       |
| Gold | CID000814 | Istanbul Gold Refinery            | Turkey      |
| Gold | CID000823 | Japan Mint                        | Japan       |
| Gold | CID000855 | Jiangxi Copper Co., Ltd.          | China       |
| Gold | CID000920 | Asahi Refining USA Inc.           | USA         |
| Gold | CID000924 | Asahi Refining Canada Ltd.        | Canada      |
| Gold | CID000929 | JSC Uralelectromed                | Russia      |
| Gold | CID000937 | JX Nippon Mining & Metals Co.,    | Japan       |
| Gold | CID000957 | Kazzinc                           | Kazakhstan  |
| Gold | CID000969 | Kennecott Utah Copper LLC         | USA         |
| Gold | CID000981 | Kojima Chemicals Co., Ltd.        | Japan       |
| Gold | CID001029 | Kyrgyzaltyn JSC                   | Kyrgyzstan  |
| Gold | CID001078 | LS-NIKKO Copper Inc.              | Korea       |
| Gold | CID001113 | Materion                          | USA         |

|      |           |                                   |              |
|------|-----------|-----------------------------------|--------------|
| Gold | CID001157 | Metalor USA Refining              | USA          |
| Gold | CID001161 | Metalurgica Met-Mex Penoles       | Mexico       |
| Gold | CID001188 | Mitsubishi Materials Corporation  | Japan        |
| Gold | CID001193 | Mitsui Mining and Smelting Co.,   | Japan        |
| Gold | CID001204 | Moscow Special Alloys             | Russia       |
| Gold | CID001220 | Nadir Metal Rafineri San. Ve Tic. | Turkey       |
| Gold | CID001259 | Nihon Material Co., Ltd.          | Japan        |
| Gold | CID001325 | Ohura Precious Metal Industry     | Japan        |
| Gold | CID001326 | OJSC "The Gulidov Krasnoyarsk     | Russia       |
| Gold | CID001352 | PAMP S.A.                         | Switzerland  |
| Gold | CID001386 | Prioksky Plant of Non-Ferrous     | Russia       |
| Gold | CID001397 | PT Aneka Tambang (Persero) Tbk    | Indonesia    |
| Gold | CID001498 | PX Precinox S.A.                  | Switzerland  |
| Gold | CID001512 | Rand Refinery (Pty) Ltd.          | South Africa |
| Gold | CID001534 | Royal Canadian Mint               | Canada       |
| Gold | CID001555 | Samduck Precious Metals           | Korea        |
| Gold | CID001585 | SEMPSA Joyeria Plateria S.A.      | Spain        |
| Gold | CID001622 | Shandong Zhaojin Gold & Silver    | China        |
| Gold | CID001736 | Sichuan Tianze Precious Metals    | China        |
| Gold | CID001756 | SOE Shyolkovsky Factory of        | Russia       |
| Gold | CID001761 | Solar Applied Materials           | Taiwan       |
| Gold | CID001798 | Sumitomo Metal Mining Co., Ltd.   | Japan        |
| Gold | CID001875 | Tanaka Kikinzoku Kogyo K.K.       | Japan        |
| Gold | CID001916 | The Refinery of Shandong Gold     | China        |
| Gold | CID001938 | Tokuriki Honten Co., Ltd.         | Japan        |
| Gold | CID001955 | Torecom                           | Korea        |
| Gold | CID001977 | Umicore Brasil Ltda.              | Brazil       |
| Gold | CID001980 | Umicore S.A. Business Unit        | Belgium      |
| Gold | CID001993 | United Precious Metal Refining,   | USA          |
| Gold | CID002003 | Valcambi S.A.                     | Switzerland  |

|      |           |                                  |           |
|------|-----------|----------------------------------|-----------|
| Gold | CID002030 | Western Australian Mint (T/a The | Australia |
| Gold | CID002100 | Yamakin Co., Ltd.                | Japan     |
| Gold | CID002129 | Yokohama Metal Co., Ltd.         | Japan     |
| Gold | CID002224 | Zhongyuan Gold Smelter of        | China     |
| Gold | CID002243 | Gold Refinery of Zijin Mining    | China     |
| Gold | CID002314 | Umicore Precious Metals Thailand | Thailand  |
| Gold | CID002459 | Geib Refining Corporation        | USA       |



|          |           |                                    |              |
|----------|-----------|------------------------------------|--------------|
| Gold     | CID002509 | MMTC-PAMP India Pvt., Ltd.         | India        |
| Gold     | CID002511 | KGHM Polska Miedz Spolka           | Poland       |
| Gold     | CID002516 | Singway Technology Co., Ltd.       | Taiwan       |
| Gold     | CID002561 | Emirates Gold DMCC                 | UAE          |
| Gold     | CID002580 | T.C.A S.p.A                        | Italy        |
| Gold     | CID002582 | REMONDIS PMR B.V.                  | Netherland   |
| Gold     | CID002605 | Korea Zinc Co., Ltd.               | Korea        |
| Gold     | CID002606 | Marsam Metals                      | Brazil       |
| Gold     | CID002761 | SAAMP                              | France       |
| Gold     | CID002762 | L'Orfebre S.A.                     | Andorra      |
| Gold     | CID002763 | 8853 S.p.A.                        | Italy        |
| Gold     | CID002765 | Italpreziosi                       | Italy        |
| Gold     | CID002777 | SAXONIA Edelmetalle GmbH           | Germany      |
| Gold     | CID002778 | WIELAND Edelmetalle GmbH           | Germany      |
| Gold     | CID002779 | Ogussa Osterreichische Gold- und   | Austria      |
| Gold     | CID002850 | AU Traders and Refiners            | South Africa |
| Gold     | CID002863 | Bangalore Refinery                 | India        |
| Gold     | CID002918 | SungEel HiMetal Co., Ltd.          | Korea        |
| Gold     | CID002919 | Planta Recuperadora de Metales     | Chile        |
| Gold     | CID002973 | Safimet S.p.A                      | Italy        |
| Gold     | CID003195 | DS PRETECH Co., Ltd.               | Korea        |
| Tantalu  | CID000092 | Asaka Riken Co., Ltd.              | Japan        |
| Tantalu  | CID000211 | Changsha South Tantalum            | China        |
| Tantalu  | CID000291 | Guangdong Rising Rare Metals-EO    | China        |
| Tantalu  | CID000456 | Exotech Inc.                       | USA          |
| Tantalu  | CID000460 | F&X Electro-Materials Ltd.         | China        |
| Tantalu  | CID000616 | Guangdong Zhiyuan New Material     | China        |
| Tantalu  | CID000914 | JiuJiang JinXin Nonferrous Metals  | China        |
| Tantalu  | CID000917 | Jiujiang Tanbre Co., Ltd.          | China        |
| Tantalu  | CID001076 | LSM Brasil S.A.                    | Brazil       |
| Tantalu  | CID001163 | Metallurgical Products India Pvt., | India        |
| Tantalum | CID001175 | Mineracao Taboca S.A.              | Brazil       |
| Tantalum | CID001192 | Mitsui Mining and Smelting Co.,    | Japan        |
| Tantalum | CID001200 | NPM Silmet AS                      | Estonia      |
| Tantalum | CID001277 | Ningxia Orient Tantalum Industry   | China        |
| Tantalum | CID001508 | QuantumClean                       | USA          |
| Tantalum | CID001522 | Yanling Jincheng Tantalum &        | China        |
| Tantalum | CID001769 | Solikamsk Magnesium Works OAO      | Russia       |

|          |           |                                   |            |
|----------|-----------|-----------------------------------|------------|
| Tantalum | CID001869 | Taki Chemical Co., Ltd.           | Japan      |
| Tantalum | CID001891 | Telex Metals                      | USA        |
| Tantalum | CID001969 | Ulba Metallurgical Plant JSC      | Kazakhstan |
| Tantalum | CID002492 | Hengyang King Xing Lifeng New     | China      |
| Tantalum | CID002504 | D Block Metals, LLC               | USA        |
| Tantalum | CID002505 | FIR Metals & Resource Ltd.        | China      |
| Tantalum | CID002506 | Jiujiang Zhongao Tantalum &       | China      |
| Tantalum | CID002508 | XinXing HaoRong Electronic        | China      |
| Tantalum | CID002512 | Jiangxi Dinghai Tantalum &        | China      |
| Tantalum | CID002539 | KEMET Blue Metals                 | Mexico     |
| Tantalum | CID002544 | H.C. Starck Co., Ltd.             | Thailand   |
| Tantalum | CID002545 | H.C. Starck Tantalum and Niobium  | Germany    |
| Tantalum | CID002547 | H.C. Starck Hermsdorf GmbH        | Germany    |
| Tantalum | CID002548 | H.C. Starck Inc.                  | USA        |
| Tantalum | CID002549 | H.C. Starck Ltd.                  | Japan      |
| Tantalum | CID002550 | H.C. Starck Smelting GmbH & Co.   | Germany    |
| Tantalum | CID002557 | Global Advanced Metals            | USA        |
| Tantalum | CID002558 | Global Advanced Metals Aizu       | Japan      |
| Tantalum | CID002568 | KEMET Blue Powder                 | USA        |
| Tantalum | CID002707 | Resind Industria e Comercio Ltda. | Brazil     |
| Tantalum | CID002842 | Jiangxi Tuohong New Raw           | China      |
| Tantalum | CID002847 | Power Resources Ltd.              | Macedonia  |
| Tantalum | CID003191 | Jiujiang Janny New Material Co.,  | China      |
| Tin      | CID000228 | Chenzhou Yunxiang Mining and      | China      |
| Tin      | CID000292 | Alpha                             | USA        |
| Tin      | CID000306 | CV Gita Pesona                    | Indonesia  |
| Tin      | CID000309 | PT Aries Kencana Sejahtera        | Indonesia  |
| Tin      | CID000313 | PT Premium Tin Indonesia          | Indonesia  |
| Tin      | CID000315 | CV United Smelting                | Indonesia  |
| Tin      | CID000402 | Dowa                              | Japan      |

|     |           |                                  |         |
|-----|-----------|----------------------------------|---------|
| Tin | CID000402 | Dowa                             | Japan   |
| Tin | CID000438 | EM Vinto                         | Bolivia |
| Tin | CID000468 | Fenix Metals                     | Poland  |
| Tin | CID000538 | Gejiu Non-Ferrous Metal          | China   |
| Tin | CID000555 | Gejiu Zili Mining And Metallurgy | China   |
| Tin | CID000760 | Huichang Jinshunda Tin Co., Ltd. | China   |

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|-----|-----------|-----------------------------------|-----------|
| Tin | CID000942 | Gejiu Kai Meng Industry and Trade | China     |
| Tin | CID001070 | China Tin Group Co., Ltd.         | China     |
| Tin | CID001105 | Malaysia Smelting Corporation     | Malaysia  |
| Tin | CID001142 | Metallic Resources, Inc.          | USA       |
| Tin | CID001173 | Mineracao Taboca S.A.             | Brazil    |
| Tin | CID001182 | Minsur                            | Perú      |
| Tin | CID001191 | Mitsubishi Materials Corporation  | Japan     |
| Tin | CID001231 | Jiangxi New Nanshan Technology    | China     |
| Tin | CID001314 | O.M. Manufacturing (Thailand)     | Thailand  |
| Tin | CID001337 | Operaciones Metalurgical S.A.     | Bolivia   |
| Tin | CID001399 | PT Artha Cipta Langgeng           | Indonesia |
| Tin | CID001402 | PT Babel Inti Perkasa             | Indonesia |
| Tin | CID001406 | PT Babel Surya Alam Lestari       | Indonesia |
| Tin | CID001419 | PT Bangka Tin Industry            | Indonesia |
| Tin | CID001421 | PT Belitung Industri Sejahtera    | Indonesia |
| Tin | CID001428 | PT Bukit Timah                    | Indonesia |
| Tin | CID001434 | PT DS Jaya Abadi                  | Indonesia |
| Tin | CID001448 | PT Karimun Mining                 | Indonesia |
| Tin | CID001453 | PT Mitra Stania Prima             | Indonesia |
| Tin | CID001457 | PT Panca Mega Persada             | Indonesia |
| Tin | CID001458 | PT Prima Timah Utama              | Indonesia |
| Tin | CID001460 | PT Refined Bangka Tin             | Indonesia |
| Tin | CID001463 | PT Sariwiguna Binasentosa         | Indonesia |
| Tin | CID001468 | PT Stanindo Inti Perkasa          | Indonesia |
| Tin | CID001471 | PT Sumber Jaya Indah              | Indonesia |
| Tin | CID001477 | PT Timah Tbk Kunder               | Indonesia |
| Tin | CID001482 | PT Timah Tbk Mentok               | Indonesia |
| Tin | CID001490 | PT Tinindo Inter Nusa             | Indonesia |
| Tin | CID001493 | PT Tommy Utama                    | Indonesia |
| Tin | CID001539 | Rui Da Hung                       | Taiwan    |
| Tin | CID001758 | Soft Metais Ltda.                 | Brazil    |
| Tin | CID001898 | Thaisarco                         | Thailand  |
| Tin | CID001908 | Gejiu Yunxin Nonferrous           | China     |
| Tin | CID002036 | White Solder Metalurgia e         | Brazil    |
| Tin | CID002158 | Yunnan Chengfeng Non-ferrous      | China     |
| Tin | CID002180 | Yunnan Tin Company Limited        | China     |
| Tin | CID002455 | CV Venus Inti Perkasa             | Indonesia |
| Tin | CID002468 | Magnu's Minerai's Metais e Ligas  | Brazil    |

|          |           |                                    |             |
|----------|-----------|------------------------------------|-------------|
| Tin      | CID002503 | PT ATD Makmur Mandiri Jaya         | Indonesia   |
| Tin      | CID002517 | O.M. Manufacturing Philippines,    | Philippines |
| Tin      | CID002530 | PT Inti Stania Prima               | Indonesia   |
| Tin      | CID002570 | CV Ayi Jaya                        | Indonesia   |
| Tin      | CID002592 | CV Dua Sekawan                     | Indonesia   |
| Tin      | CID002593 | PT Rajehan Ariq                    | Indonesia   |
| Tin      | CID002706 | Resind Industria e Comercio Ltda.  | Brazil      |
| Tin      | CID002773 | Metallo Belgium N.V.               | Belgium     |
| Tin      | CID002774 | Metallo Spain S.L.U.               | Spain       |
| Tin      | CID002776 | PT Bangka Prima Tin                | Indonesia   |
| Tin      | CID002816 | PT Sukses Inti Makmur              | Indonesia   |
| Tin      | CID002829 | PT Kijang Jaya Mandiri             | Indonesia   |
| Tin      | CID002834 | Thai Nguyen Mining and             | Viet Nam    |
| Tin      | CID002835 | PT Menara Cipta Mulia              | Indonesia   |
| Tin      | CID002844 | HuiChang Hill Tin Industry Co.,    | China       |
| Tin      | CID002848 | Gejiu Fengming Metallurgy          | China       |
| Tin      | CID002849 | Guanyang Guida Nonferrous          | China       |
| Tin      | CID002870 | PT Lautan Harmonis Sejahtera       | Indonesia   |
| Tin      | CID003116 | Guangdong Hanhe Non-Ferrous        | China       |
| Tin      | CID003190 | Chifeng Dajingzi Tin Industry Co., | China       |
| Tin      | CID003205 | PT Bangka Serumpun                 | Indonesia   |
| Tin      | CID003325 | Tin Technology & Refining          | USA         |
| Tin      | CID003381 | PT Rajawali Rimba Perkasa          | Indonesia   |
| Tin      | CID003397 | Yunnan Yunfan Non-ferrous          | China       |
| Tungsten | CID000004 | A.L.M.T. Corp.                     | Japan       |
| Tungsten | CID000105 | Kennametal Huntsville              | USA         |
| Tungsten | CID000218 | Guangdong Xianglu Tungsten Co.,    | China       |
| Tungsten | CID000258 | Chongyi Zhangyuan Tungsten Co.,    | China       |
| Tungsten | CID000499 | Fujian Jinxin Tungsten Co., Ltd.   | China       |
| Tungsten | CID000568 | Global Tungsten & Powders Corp.    | USA         |
| Tungsten | CID000766 | Hunan Chenzhou Mining Co., Ltd.    | China       |
| Tungsten | CID000769 | Hunan Chunchang Nonferrous         | China       |
| Tungsten | CID000825 | Japan New Metals Co., Ltd.         | Japan       |
| Tungsten | CID000875 | Ganzhou Huaxing Tungsten           | China       |
| Tungsten | CID000966 | Kennametal Fallon                  | USA         |
| Tungsten | CID001889 | Tejing (Vietnam) Tungsten Co.,     | Vietnam     |

|          |           |                                    |             |
|----------|-----------|------------------------------------|-------------|
| Tungsten | CID002044 | Wolfram Bergbau und Hutten AG      | Austria     |
| Tungsten | CID002082 | Xiamen Tungsten Co., Ltd.          | China       |
| Tungsten | CID002095 | Xinhai Rendan Shaoguan             | China       |
| Tungsten | CID002315 | Ganzhou Jiangwu Ferrotungsten      | China       |
| Tungsten | CID002316 | Jiangxi Yaosheng Tungsten Co.,     | China       |
| Tungsten | CID002317 | Jiangxi Xinsheng Tungsten          | China       |
| Tungsten | CID002318 | Jiangxi Tonggu Non-ferrous         | China       |
| Tungsten | CID002319 | Malipo Haiyu Tungsten Co., Ltd.    | China       |
| Tungsten | CID002320 | Xiamen Tungsten (H.C.) Co., Ltd.   | China       |
| Tungsten | CID002321 | Jiangxi Gan Bei Tungsten Co., Ltd. | China       |
| Tungsten | CID002494 | Ganzhou Seadragon W & Mo Co.,      | China       |
| Tungsten | CID002502 | Asia Tungsten Products Vietnam     | Vietnam     |
| Tungsten | CID002513 | Chenzhou Diamond Tungsten          | China       |
| Tungsten | CID002541 | H.C. Starck Tungsten GmbH          | Germany     |
| Tungsten | CID002542 | H.C. Starck Smelting GmbH & Co.    | Germany     |
| Tungsten | CID002543 | Masan Tungsten Chemical LLC        | Vietnam     |
| Tungsten | CID002551 | Jiangwu H.C. Starck Tungsten       | China       |
| Tungsten | CID002579 | Hunan Chuangda Vanadium            | China       |
| Tungsten | CID002589 | Niagara Refining LLC               | USA         |
| Tungsten | CID002645 | Ganzhou Haichuang Tungsten Co.,    | China       |
| Tungsten | CID002649 | Hydrometallurg, JSC                | Russia      |
| Tungsten | CID002724 | Unecha Refractory metals plant     | Russia      |
| Tungsten | CID002827 | Philippine Chuangxin Industrial    | Philippines |
| Tungsten | CID002830 | Xinfeng Huarui Tungsten &          | China       |
| Tungsten | CID002833 | ACL Metais Eireli                  | Brazil      |
| Tungsten | CID002843 | Woltech Korea Co., Ltd.            | Korea       |
| Tungsten | CID002845 | Moliren Ltd.                       | Russia      |
| Tungsten | CID003182 | Hunan Litian Tungsten Industry     | China       |
| Tungsten | CID003388 | KGETS CO., LTD.                    | Korea       |

**This is the end of the Samsung report**

**Seagate Technology:** Seagate participates in the RBA Responsible Minerals Initiative (RMI), which allows us to contribute to industry solutions while maintaining standard processes for data collection. Note that Seagate does not directly source any of the 3TG in our products from smelters/ refiners. Our Conflict Minerals Policy Statement is available on our website. Currently 72 percent of known 3TG smelters and refiners are validated as conflict-free. Seagate continues to seek supplier commitments to source only conflict-free 3TG, and to have their smelters and refiners engage in the validation audit process. If smelters and refiners decline to become conflict free, we advocate for suppliers to convert to other preferred sources. Seagate’s hardware products contain all four conflict minerals, all of which are required for functionality and production. Our company purchases parts, components, materials, and subassemblies that contain these metals. Information about the origin of the 3TG contained in these items comes

from our direct suppliers, from both lower-tier suppliers and our membership in the RBA and RMI. We currently extend our due diligence beyond what is required by law, and map the origins of cobalt in our supply chain, making us one of the first companies to undertake this endeavor. Since cobalt is also mined in the DRC, the supply chain is exposed to similar risks as 3TG. We use the Cobalt Reporting Template (CRT) from the Responsible Minerals Initiative (released in late December 2018) to map the source of all the cobalt in our supply chain. This provides a standardized mechanism by which to share cobalt-sourcing data throughout the supply chain. Seagate has used the CRT to gather cobalt-sourcing information from all of our in-scope direct material suppliers (in-scope = top 99.5 percent of spend on direct material suppliers providing cobalt-containing parts). Seagate has made available by request to our customers sourcing information for over 99 percent of cobalt-containing parts from in-scope suppliers. Seagate did not conduct an IPSA audit of our Conflict Minerals program in FY2019. This audit was conducted and passed in FY2017, and will again be conducted in early CY2020. Although an IPSA was not conducted in FY2019, we maintained our commitment to the Organization for Economic Cooperation and Development (OECD) due diligence framework.

### **Smelters and Refiners**

We carried out the actions described in the ‘Due Diligence Measures Performed’ section above to ascertain the source and chain of custody of the 3TG used in our supply chain. For the Reporting Period, 100% of our 3TG Direct Suppliers provided CMRT data to us. Given the dynamic nature of the supply chain, we provide below the snapshot list of SORs understood to be operating and in our supply chain at the close of the Reporting Period. Our 3TG Direct Suppliers have named these SORs as their sources of 3TG in the products we buy from them. We have subjected each incoming CMRT to systematic scrutiny, often followed by additional supplier communication. Except for a few instances, the SOR lists provided to us were complete. Several suppliers indicated that their SOR lists were substantially complete but possibly not exhaustive. The list below includes all 3TG SORs reported to be in our supply chain and understood to be in operation as of December 31, 2019. However, as we base our determination on the information provided to us in CMRTs and on the RMI data, the 3TG in our products may come from other sources that have yet to be identified. In addition, the inclusion of any name on our list does not imply that its 3TG necessarily comprise portions of our products. This is because some suppliers provide CMRTs at the supplier level instead of the part level, resulting in overinclusion. Inclusion on this list only implies that the 3TG in all our products may come from these sources.

### **SORs in Operation and in the Seagate Supply Chain**

| <b><u>Metal</u></b> | <b>Name of Smelter or Refiner</b>               | <b>Country of Location</b> | <b>Smelter or Refiner RMAP Status as of December 31, 2019</b> |
|---------------------|---|----------------------------|---|
| Gold                | 8853 S.p.A.                                     | Peru                       | Conformant  |
| Gold                | Advanced Chemical Company                       | UNITED STATES OF AMERICA   | Conformant  |
| Gold                | Aida Chemical Industries Co., Ltd.              | JAPAN                      | Conformant  |
| Gold                | Al Etihad Gold LLC                              | UNITED ARAB EMIRATES       | Conformant*   |
| Gold                | Allgemeine Gold-und Silberscheideanstalt A.G.   | GERMANY                    | Conformant  |
| Gold                | Almalyk Mining and Metallurgical Complex (AMMC) | UZBEKISTAN                 | Conformant  |
| Gold                | AngloGold Ashanti Corrego do Sitio Mineracao    | BRAZIL                     | Conformant  |
| Gold                | Argor-Heraeus S.A.                              | SWITZERLAND                | Conformant  |
| Gold                | Asahi Pretec Corp.                              | JAPAN                      | Conformant  |
| Gold                | Asahi Refining Canada Ltd.                      | CANADA                     | Conformant  |

|      |   |                          |            |
|------|---|--------------------------|------------|
| Gold | Asahi Refining USA Inc.                               | UNITED STATES OF AMERICA | Conformant |
| Gold | Asaka Riken Co., Ltd.(Gold)                           | JAPAN                    | Conformant |
| Gold | AU Traders and Refiners                               | SOUTH AFRICA             | Conformant |
| Gold | Aurubis AG  | GERMANY                  | Conformant |
| Gold | Bangalore Refinery                                    | INDIA                    | Conformant |
| Gold | Bangko Sentral ng Pilipinas (Central Bank of the      | PHILIPPINES              | Conformant |
| Gold | Boliden AB  | SWEDEN                   | Conformant |
| Gold | C. Hafner GmbH + Co. KG                               | GERMANY                  | Conformant |
| Gold | CCR Refinery—Glencore Canada Corporation              | CANADA                   | Conformant |
| Gold | Cendres + Metaux S.A.                                 | SWITZERLAND              | Conformant |
| Gold | Chimet S.p.A.   | ITALY                    | Conformant |
| Gold | Chugai Mining   | JAPAN                    | Conformant |
| Gold | DODUCO GmbH   | GERMANY                  | Conformant |
| Gold | Dowa(Gold)  | JAPAN                    | Conformant |
| Gold | DS PRETECH Co., Ltd.                                  | KOREA, REPUBLIC OF       | Conformant |
| Gold | DSC (Do Sung Corporation)                             | KOREA, REPUBLIC OF       | Conformant |
| Gold | Eco-System Recycling Co., Ltd.                        | JAPAN                    | Conformant |
| Gold | Eco-System Recycling Co., Ltd. North Plant            | JAPAN                    | Conformant |
| Gold | Eco-System Recycling Co., Ltd. West Plant             | JAPAN                    | Conformant |
| Gold | Emirates Gold DMCC                                    | UNITED ARAB EMIRATES     | Conformant |
| Gold | Geib Refining Corporation                             | UNITED STATES OF AMERICA | Conformant |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd.         | CHINA                    | Conformant |
| Gold | HeeSung Metal Ltd.                                    | KOREA, REPUBLIC OF       | Conformant |
| Gold | Heimerle + Meule GmbH                                 | GERMANY                  | Conformant |
| Gold | Heraeus Metals Hong Kong Ltd.                         | CHINA                    | Conformant |
| Gold | Heraeus Precious Metals GmbH & Co. KG                 | GERMANY                  | Conformant |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share | CHINA                    | Conformant |
| Gold | Ishifuku Metal Industry Co., Ltd.                     | JAPAN                    | Conformant |
| Gold | Istanbul Gold Refinery                                | TURKEY                   | Conformant |
| Gold | Italpreziosi  | ITALY                    | Conformant |
| Gold | Japan Mint  | JAPAN                    | Conformant |
| Gold | Jiangxi Copper Co., Ltd.                              | CHINA                    | Conformant |

|      |  |                          |            |
|------|--|--------------------------|------------|
| Gold | JSC Uralelectromed                                     | RUSSIAN FEDERATION       | Conformant |
| Gold | JX Nippon Mining & Metals Co., Ltd.                    | JAPAN                    | Conformant |
| Gold | Kazzinc  | KAZAKHSTAN               | Conformant |
| Gold | Kennecott Utah Copper LLC                              | UNITED STATES OF AMERICA | Conformant |
| Gold | KGHM Polska Miedz Spolka Akcyjna                       | POLAND                   | Conformant |
| Gold | Kojima Chemicals Co., Ltd.                             | JAPAN                    | Conformant |
| Gold | Korea Zinc Co., Ltd.                                   | KOREA, REPUBLIC OF       | Conformant |
| Gold | Kyrgyzaltyn JSC  | KYRGYZSTAN               | Conformant |
| Gold | L'Orfebre S.A.   | ANDORRA                  | Conformant |
| Gold | LS-NIKKO Copper Inc.                                   | KOREA, REPUBLIC OF       | Conformant |
| Gold | Marsam Metals  | BRAZIL                   | Conformant |
| Gold | Materion   | UNITED STATES OF AMERICA | Conformant |
| Gold | Matsuda Sangyo Co., Ltd.                               | JAPAN                    | Conformant |
| Gold | Metalor Technologies (Hong Kong) Ltd.                  | CHINA                    | Conformant |
| Gold | Metalor Technologies (Singapore) Pte., Ltd.            | SINGAPORE                | Conformant |
| Gold | Metalor Technologies (Suzhou) Ltd.                     | CHINA                    | Conformant |
| Gold | Metalor Technologies S.A.                              | SWITZERLAND              | Conformant |
| Gold | Metalor USA Refining Corporation                       | UNITED STATES OF AMERICA | Conformant |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V.               | MEXICO                   | Conformant |
| Gold | Mitsubishi Materials Corporation(Gold)                 | JAPAN                    | Conformant |
| Gold | Mitsui Mining and Smelting Co., Ltd.(Gold)             | JAPAN                    | Conformant |
| Gold | MMTC-PAMP India Pvt., Ltd.                             | INDIA                    | Conformant |
| Gold | Moscow Special Alloys Processing Plant                 | RUSSIAN FEDERATION       | Conformant |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                 | TURKEY                   | Conformant |
| Gold | Nihon Material Co., Ltd.                               | JAPAN                    | Conformant |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt | AUSTRIA                  | Conformant |
| Gold | Ohura Precious Metal Industry Co., Ltd.                | JAPAN                    | Conformant |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals       | RUSSIAN FEDERATION       | Conformant |
| Gold | OJSC Novosibirsk Refinery                              | RUSSIAN FEDERATION       | Conformant |
| Gold | PAMP S.A.  | SWITZERLAND              | Conformant |
| Gold | Planta Recuperadora de Metales SpA                     | CHILE                    | Conformant |
| Gold | Prioksky Plant of Non-Ferrous Metals                   | RUSSIAN FEDERATION       | Conformant |



|      |  |                           |            |
|------|--|---------------------------|------------|
| Gold | PT Aneka Tambang (Persero) Tbk                       | INDONESIA                 | Conformant |
| Gold | PX Precinox S.A.                                     | SWITZERLAND               | Conformant |
| Gold | Rand Refinery (Pty) Ltd.                             | SOUTH AFRICA              | Conformant |
| Gold | Remondis Argentia B.V.                               | NETHERLANDS               | Conformant |
| Gold | Royal Canadian Mint                                  | CANADA                    | Conformant |
| Gold | SAAMP  | FRANCE                    | Conformant |
| Gold | Safimet S.p.A  | ITALY                     | Conformant |
| Gold | Samduck Precious Metals                              | KOREA, REPUBLIC OF        | Conformant |
| Gold | SAXONIA Edelmetalle GmbH                             | GERMANY                   | Conformant |
| Gold | SEMPSA Joyeria Plateria S.A.                         | SPAIN                     | Conformant |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.    | CHINA                     | Conformant |
| Gold | Sichuan Tianze Precious Metals Co., Ltd.             | CHINA                     | Conformant |
| Gold | Singway Technology Co., Ltd.                         | TAIWAN, PROVINCE OF CHINA | Conformant |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals | RUSSIAN FEDERATION        | Conformant |
| Gold | Solar Applied Materials Technology Corp.             | TAIWAN, PROVINCE OF CHINA | Conformant |
| Gold | Sumitomo Metal Mining Co., Ltd.                      | JAPAN                     | Conformant |
| Gold | SungEel HiTech                                       | KOREA, REPUBLIC OF        | Conformant |
| Gold | T.C.A S.p.A  | ITALY                     | Conformant |
| Gold | Tanaka Kikinzoku Kogyo K.K.                          | JAPAN                     | Conformant |
| Gold | The Refinery of Shandong Gold Mining Co., Ltd.       | CHINA                     | Conformant |
| Gold | Tokuriki Honten Co., Ltd.                            | JAPAN                     | Conformant |
| Gold | Torecom  | KOREA, REPUBLIC OF        | Conformant |
| Gold | Umicore Brasil Ltda.                                 | BRAZIL                    | Conformant |
| Gold | Umicore Precious Metals Thailand                     | THAILAND                  | Conformant |
| Gold | Umicore S.A. Business Unit Precious Metals Refining  | BELGIUM                   | Conformant |
| Gold | United Precious Metal Refining, Inc.                 | UNITED STATES OF AMERICA  | Conformant |
| Gold | Valcambi S.A.  | SWITZERLAND               | Conformant |
| Gold | Western Australian Mint (T/a The Perth Mint)         | AUSTRALIA                 | Conformant |
| Gold | WIELAND Edelmetalle GmbH                             | GERMANY                   | Conformant |
| Gold | Yamamoto Precious Metal Co., Ltd.                    | JAPAN                     | Conformant |
| Gold | Yokohama Metal Co., Ltd.                             | JAPAN                     | Conformant |
| Gold | Zhongyuan Gold Smelter of Zhongjin Gold Corporation  | CHINA                     | Conformant |

|          |   |                                |            |
|----------|---|--------------------------------|------------|
| Tantalum | Asaka Riken Co., Ltd.(Tantalum)                     | JAPAN                          | Conformant |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.           | CHINA                          | Conformant |
| Tantalum | D Block Metals, LLC                                 | UNITED STATES OF AMERICA       | Conformant |
| Tantalum | Exotech Inc.  | UNITED STATES OF AMERICA       | Conformant |
| Tantalum | F&X Electro-Materials Ltd.                          | CHINA                          | Conformant |
| Tantalum | FIR Metals & Resource Ltd.                          | CHINA                          | Conformant |
| Tantalum | Global Advanced Metals Aizu                         | JAPAN                          | Conformant |
| Tantalum | Global Advanced Metals Boyertown                    | UNITED STATES OF AMERICA       | Conformant |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.            | CHINA                          | Conformant |
| Tantalum | H.C. Starck Co., Ltd.                               | THAILAND                       | Conformant |
| Tantalum | H.C. Starck Hermsdorf GmbH                          | GERMANY                        | Conformant |
| Tantalum | H.C. Starck Inc.                                    | UNITED STATES OF AMERICA       | Conformant |
| Tantalum | H.C. Starck Ltd.                                    | JAPAN                          | Conformant |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                  | GERMANY                        | Conformant |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH               | GERMANY                        | Conformant |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.   | CHINA                          | Conformant |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.        | CHINA                          | Conformant |
| Tantalum | Jiangxi Tuohong New Raw Material                    | CHINA                          | Conformant |
| Tantalum | Jiujiang JinXin Nonferrous Metals Co., Ltd.         | CHINA                          | Conformant |
| Tantalum | Jiujiang Nonferrous Metals Smelting Company Limited | CHINA                          | Conformant |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.       | CHINA                          | Conformant |
| Tantalum | KEMET Blue Metals                                   | MEXICO                         | Conformant |
| Tantalum | KEMET Blue Powder                                   | UNITED STATES OF AMERICA       | Conformant |
| Tantalum | LSM Brasil S.A.                                     | BRAZIL                         | Conformant |
| Tantalum | Metallurgical Products India Pvt., Ltd.             | INDIA                          | Conformant |
| Tantalum | Mineracao Taboca S.A.(Tantalum)                     | BRAZIL                         | Conformant |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.(Tantalum)      | JAPAN                          | Conformant |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.          | CHINA                          | Conformant |
| Tantalum | NPM Silmet AS                                       | ESTONIA                        | Conformant |
| Tantalum | Power Resources Ltd.                                | MACEDONIA, THE FORMER YUGOSLAV | Conformant |

|          |   |                                  |            |
|----------|---|----------------------------------|------------|
| Tantalum | QuantumClean                                      | UNITED STATES OF AMERICA         | Conformant |
| Tantalum | Resind Industria e Comercio Ltda.(Tantalum)       | BRAZIL                           | Conformant |
| Tantalum | RFH Tantalum Smeltry Co., Ltd.                    | CHINA                            | Conformant |
| Tantalum | Solikamsk Magnesium Works OAO                     | RUSSIAN FEDERATION               | Conformant |
| Tantalum | Taki Chemical Co., Ltd.                           | JAPAN                            | Conformant |
| Tantalum | Telex Metals                                      | UNITED STATES OF AMERICA         | Conformant |
| Tantalum | Ulba Metallurgical Plant JSC                      | KAZAKHSTAN                       | Conformant |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.     | CHINA                            | Conformant |
| Tin      | Alpha   | UNITED STATES OF AMERICA         | Conformant |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. | CHINA                            | Conformant |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.           | CHINA                            | Conformant |
| Tin      | China Tin Group Co., Ltd.                         | CHINA                            | Conformant |
| Tin      | Dowa(Tin)   | JAPAN                            | Conformant |
| Tin      | EM Vinto  | BOLIVIA (PLURINATIONAL STATE OF) | Conformant |
| Tin      | Fenix Metals                                      | POLAND                           | Conformant |
| Tin      | Gejiu Fengming Metallurgy Chemical Plant          | CHINA                            | Conformant |
| Tin      | Gejiu Kai Meng Industry and Trade LLC             | CHINA                            | Conformant |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.      | CHINA                            | Conformant |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.    | CHINA                            | Conformant |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.        | CHINA                            | Conformant |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.       | CHINA                            | Conformant |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant    | CHINA                            | Conformant |
| Tin      | HuiChang Hill Tin Industry Co., Ltd.              | CHINA                            | Conformant |
| Tin      | Huichang Jinshunda Tin Co., Ltd.                  | CHINA                            | Conformant |
| Tin      | Ma'anshan Weitai Tin Co., Ltd.                    | CHINA                            | Conformant |
| Tin      | Magnu's Minerais Metais e Ligas Ltda.             | BRAZIL                           | Conformant |
| Tin      | Malaysia Smelting Corporation (MSC)               | MALAYSIA                         | Conformant |
| Tin      | Melt Metais e Ligas S.A.                          | BRAZIL                           | Conformant |
| Tin      | Metallic Resources, Inc.                          | UNITED STATES OF AMERICA         | Conformant |
| Tin      | Metallo Belgium N.V.                              | BELGIUM                          | Conformant |
| Tin      | Metallo Spain S.L.U.                              | SPAIN                            | Conformant |

|          |   |                                  |            |
|----------|---|----------------------------------|------------|
| Tin      | Mineracao Taboca S.A.(Tin)                    | BRAZIL                           | Conformant |
| Tin      | Minsur  | PERU                             | Conformant |
| Tin      | Mitsubishi Materials Corporation(Tin)         | JAPAN                            | Conformant |
| Tin      | Nankang Nanshan Tin Manufactory Co., Ltd.     | CHINA                            | Conformant |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.       | THAILAND                         | Conformant |
| Tin      | O.M. Manufacturing Philippines, Inc.          | PHILIPPINES                      | Conformant |
| Tin      | Operaciones Metalurgical S.A.                 | BOLIVIA (PLURINATIONAL STATE OF) | Conformant |
| Tin      | PT Artha Cipta Langgeng                       | INDONESIA                        | Conformant |
| Tin      | PT Mitra Stania Prima                         | INDONESIA                        | Conformant |
| Tin      | PT Refined Bangka Tin                         | INDONESIA                        | Conformant |
| Tin      | PT Timah (Persero) Tbk Kundur                 | INDONESIA                        | Conformant |
| Tin      | PT Timah (Persero) Tbk Mentok                 | INDONESIA                        | Conformant |
| Tin      | Resind Industria e Comercio Ltda.(Tin)        | BRAZIL                           | Conformant |
| Tin      | Rui Da Hung                                   | TAIWAN, PROVINCE OF CHINA        | Conformant |
| Tin      | Soft Metais Ltda.                             | BRAZIL                           | Conformant |
| Tin      | Thai Nguyen Mining and Metallurgy Co., Ltd.   | VIET NAM                         | Conformant |
| Tin      | Thaisarco                                     | THAILAND                         | Conformant |
| Tin      | Tin Technology & Refining                     | UNITED STATES                    | Conformant |
| Tin      | White Solder Metalurgia e Mineracao Ltda.     | BRAZIL                           | Conformant |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd. | CHINA                            | Conformant |
| Tin      | Yunnan Tin Company Limited                    | CHINA                            | Conformant |
| Tin      | Yunnan Yunfan Non-ferrous Metals Co., Ltd.    | CHINA                            | Conformant |
| Tungsten | A.L.M.T. TUNGSTEN Corp.                       | JAPAN                            | Conformant |
| Tungsten | ACL Metais Eireli                             | BRAZIL                           | Conformant |
| Tungsten | Asia Tungsten Products Vietnam Ltd.           | VIET NAM                         | Conformant |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.  | CHINA                            | Conformant |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.          | CHINA                            | Conformant |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.              | CHINA                            | Conformant |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.          | CHINA                            | Conformant |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.   | CHINA                            | Conformant |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.       | CHINA                            | Conformant |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.            | CHINA                            | Conformant |

|          |   |                           |            |
|----------|---|---------------------------|------------|
| Tungsten | Global Tungsten & Powders Corp.                       | UNITED STATES OF AMERICA  | Conformant |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                  | CHINA                     | Conformant |
| Tungsten | H.C. Starck Smelting GmbH & Co.KG                     | GERMANY                   | Conformant |
| Tungsten | H.C. Starck Tungsten GmbH                             | GERMANY                   | Conformant |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.(Tungsten)             | CHINA                     | Conformant |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji       | CHINA                     | Conformant |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.           | CHINA                     | Conformant |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.              | CHINA                     | Conformant |
| Tungsten | Hydrometallurg, JSC                                   | RUSSIAN FEDERATION        | Conformant |
| Tungsten | Japan New Metals Co., Ltd.                            | JAPAN                     | Conformant |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.       | CHINA                     | Conformant |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                    | CHINA                     | Conformant |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical   | CHINA                     | Conformant |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.          | CHINA                     | Conformant |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                   | CHINA                     | Conformant |
| Tungsten | Kennametal Fallon                                     | UNITED STATES OF AMERICA  | Conformant |
| Tungsten | Kennametal Huntsville                                 | UNITED STATES OF AMERICA  | Conformant |
| Tungsten | KGETS Co., Ltd.                                       | KOREA, REPUBLIC OF        | Conformant |
| Tungsten | Lianyou Metals Co., Ltd.                              | TAIWAN, PROVINCE OF CHINA | Conformant |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                       | CHINA                     | Conformant |
| Tungsten | Moliren Ltd   | RUSSIAN FEDERATION        | Conformant |
| Tungsten | Niagara Refining LLC                                  | UNITED STATES OF AMERICA  | Conformant |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing | VIET NAM                  | Conformant |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.             | PHILIPPINES               | Conformant |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                   | VIET NAM                  | Conformant |
| Tungsten | Unecha Refractory metals plant                        | RUSSIAN FEDERATION        | Conformant |
| Tungsten | Wolfram Bergbau und Hütten AG                         | AUSTRIA                   | Conformant |
| Tungsten | Woltech Korea Co., Ltd.                               | KOREA, REPUBLIC OF        | Conformant |

**THIS IS THE END OF THE SEAGATE REPORT**

**Supermicro:** We have implemented a risk mitigation response to monitor and track suppliers, smelters and refiners identified as not meeting the requirements set forth in our CM Policy or contractual requirements to determine their progress in meeting those requirements. We will continuously make reasonable efforts to encourage suppliers who are sourcing from non-compliant smelters to move towards the use of compliant smelters. If a supplier fails to remedy the risks identified by our compliance risk assessment, we will escalate the matter to the Conflict Minerals Oversight Committee to determine whether to approve or reject the supplier based on the following factors: a cost and benefit analysis; evaluation of potential risk factors; any existing competitive bids; and whether the supplier is a single source supplier to the Company. If the Oversight Committee decides to continue a business relationship with a non-compliant supplier due to inherent limitations of our supply chain, we will use reasonable efforts to follow up with the supplier for its correction plan, and encourage the supplier to work with smelters that are conformant with the RMAP assessment protocols. We also provide periodic compliance updates or reports to our Conflict Minerals Oversight Committee summarizing our risk mitigation efforts. Based on the responses that we received from our suppliers, we identified the following types of smelters and refiners in our supply chain for the 2019 reporting year:

- 345 smelters and refiners as potential sources of 3TG minerals that were reported to be in our supply chain,
- 275 have been verified by the RMI to be conformant with the RMAP assessment protocols,
- 10 are active (meaning they are in the process of being audited or have committed to the audit process),
- 7 were not eligible but conformant (not operating during part of 2019),
- 60 are eligible smelters or refiners, which are either:
  - Outreach required (39)
  - In communication (4)
  - Due diligence vetting process (do not meet RMAP requirements to participate) (2)
  - Due diligence review - unable to proceed (not met threshold for due diligence vetting) (3)
  - Communication suspended - not interested (5)
  - Not conformant (after RMAP audit) (7)
- 2 were not eligible and non-conformant (not operating during part of 2019).

**Smelters and Refiners Reported by Suppliers**

| <b>Metal</b> | <b>Smelter Name as Provided by Supplier</b>       | <b>Country Location</b> |
|--------------|---|-------------------------|
| Tantalum     | Asaka Riken Co., Ltd.                             | JAPAN                   |
| Tantalum     | CP Metals Inc.                                    | United States           |
| Tantalum     | Changsha South Tantalum Niobium Co., Ltd.         | CHINA                   |
| Tantalum     | D Block Metals, LLC                               | United States           |
| Tantalum     | Exotech Inc.                                      | United States           |
| Tantalum     | F&X Electro-Materials Ltd.                        | CHINA                   |
| Tantalum     | FIR Metals & Resource Ltd.                        | CHINA                   |
| Tantalum     | Global Advanced Metals Aizu                       | JAPAN                   |
| Tantalum     | Global Advanced Metals Boyertown                  | United States           |
| Tantalum     | Guangdong Rising Rare Metals-EO Materials Ltd.    | CHINA                   |
| Tantalum     | Guangdong Zhiyuan New Material Co., Ltd.          | CHINA                   |
| Tantalum     | H.C. Starck Co., Ltd.                             | THAILAND                |
| Tantalum     | H.C. Starck Hermsdorf GmbH                        | GERMANY                 |
| Tantalum     | H.C. Starck Inc.                                  | United States           |
| Tantalum     | H.C. Starck Ltd.                                  | JAPAN                   |
| Tantalum     | H.C. Starck Smelting GmbH & Co. KG                | GERMANY                 |
| Tantalum     | H.C. Starck Tantalum and Niobium GmbH             | GERMANY                 |
| Tantalum     | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA                   |
| Tantalum     | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.      | CHINA                   |
| Tantalum     | Jiangxi Tuohong New Raw Material                  | CHINA                   |
| Tantalum     | JiuJiang JinXin Nonferrous Metals Co., Ltd.       | CHINA                   |
| Tantalum     | Jiujiang Janny New Material Co., Ltd.             | CHINA                   |

|          |   |  |
|----------|---|--|
| Tantalum | Jiujiang Tanbre Co., Ltd.   | CHINA                                      |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.   | CHINA                                      |
| Tantalum | KEMET Blue Metals   | MEXICO                                     |
| Tantalum | KEMET Blue Powder   | United States                              |
| Tantalum | LSM Brasil S.A.   | BRAZIL                                     |
| Tantalum | Metallurgical Products India Pvt., Ltd.   | INDIA                                      |
| Tantalum | Mineracao Taboca S.A.   | BRAZIL                                     |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                                      |
| Tantalum | NPM Silmet AS   | ESTONIA                                    |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.  | CHINA                                      |
| Tantalum | PRG Dooel   | Macedonia, The Former Yugoslav Republic of |
| Tantalum | QuantumClean  | United States                              |
| Tantalum | Resind Indústria e Comercio Ltda.   | BRAZIL                                     |
| Tantalum | Solikamsk Magnesium Works OAO   | RUSSIAN FEDERATION                         |
| Tantalum | Taki Chemical Co., Ltd.   | JAPAN                                      |
| Tantalum | Telex Metals  | United States                              |
| Tantalum | Ulba Metallurgical Plant JSC  | KAZAKHSTAN                                 |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.   | CHINA                                      |
| Tantalum | Yanling Jincheng Tantalum & Niobium Co., Ltd.   | CHINA                                      |
| Tantalum | Yichun Jin Yang Rare Metal Co., Ltd.  | CHINA                                      |
| Tin      | Alpha   | United States                              |
| Tin      | An Vinh Joint Stock Mineral Processing Company  | VIET NAM                                   |
| Tin      | CV Ayi Jaya   | INDONESIA                                  |
| Tin      | CV Dua Sekawan  | INDONESIA                                  |
| Tin      | CV Gita Pesona  | INDONESIA                                  |
| Tin      | CV United Smelting  | INDONESIA                                  |
| Tin      | CV Venus Inti Perkasa   | INDONESIA                                  |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                                     | CHINA                                      |
| Tin      | Chifeng Dajingzi Tin Industry Co., Ltd.   | CHINA                                      |
| Tin      | China Tin Group Co., Ltd.   | CHINA                                      |
| Tin      | Dongguan CiEXPO Environmental Engineering Co., Ltd.                                   | CHINA                                      |
| Tin      | Dowa  | JAPAN                                      |
| Tin      | EM Vinto  | Bolivia, Plurinational State of            |
| Tin      | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM                                   |
| Tin      | Estanho de Rondonia S.A.  | BRAZIL                                     |
| Tin      | Fenix Metals  | POLAND                                     |
| Tin      | Gejiu City Fuxiang Industry and Trade Co., Ltd.                                       | CHINA                                      |
| Tin      | Gejiu Fengming Metallurgy Chemical Plant  | CHINA                                      |
| Tin      | Gejiu Jinye Mineral Company   | CHINA                                      |
| Tin      | Gejiu Kai Meng Industry and Trade LLC   | CHINA                                      |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.  | CHINA                                      |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.  | CHINA                                      |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.  | CHINA                                      |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.   | CHINA                                      |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant  | CHINA                                      |
| Tin      | HuiChang Hill Tin Industry Co., Ltd.  | CHINA                                      |
| Tin      | Huichang Jinshunda Tin Co., Ltd.  | CHINA                                      |
| Tin      | Jiangxi Nanshan   | China                                      |

|     |  |                                 |
|-----|--|---------------------------------|
| Tin | Jiangxi New Nanshan Technology Ltd.              | CHINA                           |
| Tin | Luna Smelter, Ltd.                               | RWANDA                          |
| Tin | Ma'anshan Weitai Tin Co., Ltd.                   | CHINA                           |
| Tin | Magnu's Minerais Metais e Ligas Ltda.            | BRAZIL                          |
| Tin | Malaysia Smelting Corporation (MSC)              | MALAYSIA                        |
| Tin | Melt Metais e Ligas S.A.                         | BRAZIL                          |
| Tin | Metallic Resources, Inc.                         | United States                   |
| Tin | Metallo Belgium N.V.                             | BELGIUM                         |
| Tin | Metallo Spain S.L.U.                             | SPAIN                           |
| Tin | Mineracao Taboca S.A.                            | BRAZIL                          |
| Tin | Minsur   | PERU                            |
| Tin | Mitsubishi Materials Corporation                 | JAPAN                           |
| Tin | Modeltech Sdn Bhd                                | MALAYSIA                        |
| Tin | Nghe Tinh Non-Ferrous Metals Joint Stock Company | VIET NAM                        |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd.          | THAILAND                        |
| Tin | O.M. Manufacturing Philippines, Inc.             | PHILIPPINES                     |
| Tin | Operaciones Metalurgicas S.A.                    | Bolivia, Plurinational State of |
| Tin | PT ATD Makmur Mandiri Jaya                       | INDONESIA                       |
| Tin | PT Aries Kencana Sejahtera                       | INDONESIA                       |
| Tin | PT Artha Cipta Langgeng                          | INDONESIA                       |
| Tin | PT Babel Inti Perkasa                            | INDONESIA                       |
| Tin | PT Babel Surya Alam Lestari                      | INDONESIA                       |
| Tin | PT Bangka Prima Tin                              | INDONESIA                       |
| Tin | PT Bangka Serumpun                               | INDONESIA                       |
| Tin | PT Bangka Tin Industry                           | INDONESIA                       |
| Tin | PT Belitung Industri Sejahtera                   | INDONESIA                       |
| Tin | PT Bukit Timah                                   | INDONESIA                       |
| Tin | PT DS Jaya Abadi                                 | INDONESIA                       |
| Tin | PT Eunindo Usaha Mandiri                         | INDONESIA                       |
| Tin | PT Inti Stania Prima                             | INDONESIA                       |
| Tin | PT Karimun Mining                                | INDONESIA                       |
| Tin | PT Kijang Jaya Mandiri                           | INDONESIA                       |
| Tin | PT Lautan Harmonis Sejahtera                     | INDONESIA                       |
| Tin | PT Menara Cipta Mulia                            | INDONESIA                       |
| Tin | PT Mitra Stania Prima                            | INDONESIA                       |
| Tin | PT Panca Mega Persada                            | INDONESIA                       |
| Tin | PT Premium Tin Indonesia                         | INDONESIA                       |
| Tin | PT Prima Timah Utama                             | INDONESIA                       |
| Tin | PT Rajawali Rimba Perkasa                        | INDONESIA                       |
| Tin | PT Rajehan Ariq                                  | INDONESIA                       |
| Tin | PT Refined Bangka Tin                            | INDONESIA                       |
| Tin | PT Sariwiguna Binasentosa                        | INDONESIA                       |
| Tin | PT Stanindo Inti Perkasa                         | INDONESIA                       |
| Tin | PT Sukses Inti Makmur                            | INDONESIA                       |
| Tin | PT Sumber Jaya Indah                             | INDONESIA                       |
| Tin | PT Timah Tbk Kundur                              | INDONESIA                       |
| Tin | PT Timah Tbk Mentok                              | INDONESIA                       |
| Tin | PT Tinindo Inter Nusa                            | INDONESIA                       |
| Tin | PT Tirus Putra Mandiri                           | INDONESIA                       |
| Tin | PT Tommy Utama                                   | INDONESIA                       |



|      |   |                      |
|------|---|----------------------|
| Tin  | Pongpipat Company Limited                                     | MYANMAR              |
| Tin  | Precious Minerals and Smelting Limited                        | INDIA                |
| Tin  | Resind Industria e Comercio Ltda.                             | BRAZIL               |
| Tin  | Rui Da Hung   | Taiwan               |
| Tin  | Soft Metais Ltda.   | BRAZIL               |
| Tin  | Super Ligas   | BRAZIL               |
| Tin  | Thai Nguyen Mining and Metallurgy Co., Ltd.                   | VIET NAM             |
| Tin  | Thaisarco   | THAILAND             |
| Tin  | Tin Technology & Refining                                     | United States        |
| Tin  | Tuyen Quang Non-Ferrous Metals Joint Stock Company            | VIET NAM             |
| Tin  | White Solder Metalurgia e Mineracao Ltda.                     | BRAZIL               |
| Tin  | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.                 | CHINA                |
| Tin  | Yunnan Tin Company Limited                                    | CHINA                |
| Tin  | Yunnan Yunfan Non-ferrous Metals Co., Ltd.                    | CHINA                |
| Gold | 8853 S.p.A.   | ITALY                |
| Gold | AU Traders and Refiners                                       | SOUTH AFRICA         |
| Gold | Abington Reldan Metals, LLC                                   | United States        |
| Gold | Advanced Chemical Company                                     | United States        |
| Gold | African Gold Refinery   | UGANDA               |
| Gold | Aida Chemical Industries Co., Ltd.                            | JAPAN                |
| Gold | Al Etihad Gold Refinery DMCC                                  | UNITED ARAB EMIRATES |
| Gold | Allgemeine Gold-und Silberscheideanstalt A.G.                 | GERMANY              |
| Gold | Almalyk Mining and Metallurgical Complex (AMMC)               | UZBEKISTAN           |
| Gold | AngloGold Ashanti Corrego do Sitio Mineracao                  | BRAZIL               |
| Gold | Argor-Heraeus S.A.  | SWITZERLAND          |
| Gold | Asahi Pretec Corp.  | JAPAN                |
| Gold | Asahi Refining Canada Ltd.                                    | CANADA               |
| Gold | Asahi Refining USA Inc.                                       | United States        |
| Gold | Asaka Riken Co., Ltd.   | JAPAN                |
| Gold | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.                      | TURKEY               |
| Gold | Aurubis AG  | GERMANY              |
| Gold | Bangalore Refinery  | INDIA                |
| Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES          |
| Gold | Boliden AB  | SWEDEN               |
| Gold | C. Hafner GmbH + Co. KG                                       | GERMANY              |
| Gold | CCR Refinery - Glencore Canada Corporation                    | CANADA               |
| Gold | CGR Metalloys Pvt Ltd.  | INDIA                |
| Gold | Caridad   | MEXICO               |
| Gold | Cendres + Metaux S.A.   | SWITZERLAND          |
| Gold | Chimet S.p.A.   | ITALY                |
| Gold | Chugai Mining   | JAPAN                |
| Gold | DODUCO Contacts and Refining GmbH                             | GERMANY              |
| Gold | DS PRETECH Co., Ltd.  | KOREA, REPUBLIC OF   |
| Gold | DSC (Do Sung Corporation)                                     | KOREA, REPUBLIC OF   |
| Gold | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF   |
| Gold | Daye Non-Ferrous Metals Mining Ltd.                           | CHINA                |
| Gold | Degussa Sonne / Mond Goldhandel GmbH                          | GERMANY              |
| Gold | Dijllah Gold Refinery FZC                                     | UNITED ARAB EMIRATES |
| Gold | Dowa  | JAPAN                |
| Gold | Eco-System Recycling Co., Ltd. East Plant                     | JAPAN                |

|      |   |                      |
|------|---|----------------------|
| Gold | Eco-System Recycling Co., Ltd. North Plant                      | JAPAN                |
| Gold | Eco-System Recycling Co., Ltd. West Plant                       | JAPAN                |
| Gold | Emirates Gold DMCC  | UNITED ARAB EMIRATES |
| Gold | Fidelity Printers and Refiners Ltd.                             | ZIMBABWE             |
| Gold | Fujairah Gold FZC   | UNITED ARAB EMIRATES |
| Gold | GCC Gujrat Gold Centre Pvt. Ltd.                                | INDIA                |
| Gold | Geib Refining Corporation                                       | United States        |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd.                   | CHINA                |
| Gold | Great Wall Precious Metals Co., Ltd. of CBPM                    | CHINA                |
| Gold | Guangdong Jinding Gold Limited                                  | CHINA                |
| Gold | Guoda Safina High-Tech Environmental Refinery Co., Ltd.         | CHINA                |
| Gold | Hangzhou Fuchunjiang Smelting Co., Ltd.                         | CHINA                |
| Gold | HeeSung Metal Ltd.  | KOREA, REPUBLIC OF   |
| Gold | Heimerle + Meule GmbH   | GERMANY              |
| Gold | Heraeus Metals Hong Kong Ltd.                                   | CHINA                |
| Gold | Heraeus Precious Metals GmbH & Co. KG                           | GERMANY              |
| Gold | Hunan Chenzhou Mining Co., Ltd.                                 | CHINA                |
| Gold | Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.             | CHINA                |
| Gold | HwaSeong CJ CO., LTD.   | KOREA, REPUBLIC OF   |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                |
| Gold | International Precious Metal Refiners                           | UNITED ARAB EMIRATES |
| Gold | Ishifuku Metal Industry Co., Ltd.                               | JAPAN                |
| Gold | Istanbul Gold Refinery  | TURKEY               |
| Gold | Italpreziosi  | ITALY                |
| Gold | JSC Ekaterinburg Non-Ferrous Metal Processing Plant             | RUSSIAN FEDERATION   |
| Gold | JSC Uralelectromed  | RUSSIAN FEDERATION   |
| Gold | JX Nippon Mining & Metals Co., Ltd.                             | JAPAN                |
| Gold | Japan Mint  | JAPAN                |
| Gold | Jiangxi Copper Co., Ltd.  | CHINA                |
| Gold | KGHM Polska Miedz Spolka Akcyjna                                | POLAND               |
| Gold | Kaloti Precious Metals  | UNITED ARAB EMIRATES |
| Gold | Kazakhmys Smelting LLC  | KAZAKHSTAN           |
| Gold | Kazzinc   | KAZAKHSTAN           |
| Gold | Kennecott Utah Copper LLC                                       | United States        |
| Gold | Kojima Chemicals Co., Ltd.                                      | JAPAN                |
| Gold | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF   |
| Gold | Kyrgyzaltyn JSC   | KYRGYZSTAN           |
| Gold | Kyshtym Copper-Electrolytic Plant ZAO                           | RUSSIAN FEDERATION   |
| Gold | L'Orfebre S.A.  | ANDORRA              |
| Gold | L'azurde Company For Jewelry                                    | SAUDI ARABIA         |
| Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF   |
| Gold | Lingbao Gold Co., Ltd.  | CHINA                |
| Gold | Lingbao Jinyuan Tonghui Refinery Co., Ltd.                      | CHINA                |
| Gold | Luoyang Zijin Yinhuai Gold Refinery Co., Ltd.                   | CHINA                |
| Gold | MMTC-PAMP India Pvt., Ltd.                                      | INDIA                |
| Gold | Marsam Metals   | BRAZIL               |
| Gold | Materion  | United States        |
| Gold | Matsuda Sangyo Co., Ltd.  | JAPAN                |
| Gold | Metalor Technologies (Hong Kong) Ltd.                           | CHINA                |
| Gold | Metalor Technologies (Singapore) Pte., Ltd.                     | SINGAPORE            |

|      |   |                    |
|------|---|--------------------|
| Gold | Metalor Technologies (Suzhou) Ltd.  | CHINA              |
| Gold | Metalor Technologies S.A.   | SWITZERLAND        |
| Gold | Metalor USA Refining Corporation  | United States      |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO             |
| Gold | Mitsubishi Materials Corporation  | JAPAN              |
| Gold | Mitsui Mining and Smelting Co., Ltd.  | JAPAN              |
| Gold | Modeltech Sdn Bhd   | MALAYSIA           |
| Gold | Morris and Watson   | NEW ZEALAND        |
| Gold | Morris and Watson Gold Coast  | AUSTRALIA          |
| Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION |
| Gold | NH Recytech Company   | KOREA, REPUBLIC OF |
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY             |
| Gold | Navoi Mining and Metallurgical Combinat                                     | UZBEKISTAN         |
| Gold | Nihon Material Co., Ltd.  | JAPAN              |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION |
| Gold | OJSC Novosibirsk Refinery   | RUSSIAN FEDERATION |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH                 | AUSTRIA            |
| Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN              |
| Gold | PAMP S.A.   | SWITZERLAND        |
| Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA          |
| Gold | PX Precinox S.A.  | SWITZERLAND        |
| Gold | Pease & Curren  | United States      |
| Gold | Penglai Penggang Gold Industry Co., Ltd.                                    | CHINA              |
| Gold | Planta Recuperadora de Metales SpA  | CHILE              |
| Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION |
| Gold | QG Refining, LLC  | United States      |
| Gold | REMONDIS PMR B.V.   | NETHERLANDS        |
| Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA       |
| Gold | Refinery of Seemine Gold Co., Ltd.  | CHINA              |
| Gold | Republic Metals Corporation   | United States      |
| Gold | Royal Canadian Mint   | CANADA             |
| Gold | SAAMP   | FRANCE             |
| Gold | SAFINA A.S.   | CZECH REPUBLIC     |

## **THIS IS THE END OF THE SUPERMICRO REPORT**

**THERMALTAKE** -: All of the smelters and refiners identified in 2019 were independently audited under the RMAP and designated as “conformant,” and there were no smelters or refiners that were (x) progressing towards completion of an independent audit under the RMAP and designated as “active” or (y) not independently audited under the RMAP (“non-participating”). This is the smelter list from Thermaltake:

|          |  |          |
|----------|--|----------|
| Gold     | Nihon Material Co., Ltd.                   | Taiwan   |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd. | Taiwan   |
| Tantalum | NPM Silmet AS                              | Taiwan   |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.    | Taiwan   |
| Tin      | O.M. Manufacturing Philippines, Inc.       | Thailand |

**This is the end of the Thermaltake information.**

**TOSHIBA:** "Conflict minerals" generally refer to tantalum, tin, tungsten, and gold from mines and smelters that have directly or indirectly contributed to the financing of armed groups. Many of these armed groups are responsible for human rights violations. Specifically, some of the mines in the Democratic Republic of the Congo (DRC) are controlled by militias responsible for atrocities that have been committed in that country's decades-long civil war, including acts of violence toward women and children.

Since Section 1502 on conflict minerals of the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act (the Dodd-Frank Act) enacted in January 2013, requires company listed in the United States to investigate the use of conflict minerals mined in the Democratic Republic of the Congo and its adjoining countries, and report the results. Toshiba Group is not a listed company but as a company in the supply chain of listed companies will investigate and report it to our customers.

Prior to the enactment of the Act, Toshiba Group organized an internal system to address conflict minerals issues, and it established the "Toshiba Group Conflict Mineral Policy" and publicized it on its website in October 2011. In November 2011, Toshiba Group companies in Japan and North America have formed teams to address conflict minerals. In FY2010, training about conflict minerals was provided to Toshiba Group companies.

For humanitarian reasons, Toshiba Group's policy prohibits the use of raw materials such as tin, tantalum, tungsten, and gold mined in the Democratic Republic of the Congo and its neighboring countries, which are helping to violate human rights.

#### Toshiba Group Conflict Mineral Policy

We are developing and implementing a policy prohibiting use of tin, tantalum, tungsten<sup>\*1</sup>, and gold, whose extraction or trade supports conflict in the Democratic Republic of Congo or adjoining countries, and/or contributes to inhumane treatment, including human trafficking, slavery, forced labor, child labor, torture and war crimes in the region.

We will carry out supply chain due diligence in accordance with [the OECD \(Organisation for Economic Co-operation and Development\) Due Diligence Guidance for Responsible Sourcing of Minerals from Conflict-Affected and High-Risk Areas](#). "

We will carry out our supply chain due diligence and use [the EICC/GeSI Conflict Minerals Reporting Template \(CMRT\)](#) " developed by EICC and GeSI.

Once a validated supply chain is established through initiatives such as full-fledged smelter verification under EICC/GeSI's [Conflict-Free Smelter \(CFS\) Program](#) " or development of a mineral tracing program, we will procure minerals through such validated supply chain.

Our efforts are not intended at altogether banning procurement of minerals from the DRC and adjoining countries but to assure sourcing from responsible sources in the region.

We require our suppliers to cooperate with us in our efforts to assure procurement of non-conflict minerals in accordance with the Toshiba Group Conflict Mineral Policy.

Toshiba has actively engaged in the following internal and external activities to ensure that its products do not contain conflict minerals:

In June 2018, Toshiba started a full-scale survey of some 2,800 suppliers that may use 3TG\* on the use of conflict minerals and to collect information on smelters, using EICC/GeSI Conflict Minerals Reporting Template. Prior to the survey, we held a briefing session for suppliers to explain the procedures of Toshiba Group conflict minerals survey. Toshiba explained about the current situation surrounding the conflict minerals issue, and requested them to cooperate in the survey to identify smelters. 440 companies in all participated both in Japan and overseas.

In FY2018, Toshiba surveyed some 10,000 Toshiba Group suppliers to clarify to what extent they understood the issue of conflict minerals and what approaches they took toward this issue.

In FY2018, Toshiba conducted a pilot survey of some 300 Toshiba Group suppliers of our semiconductor department, etc. on the use of conflict minerals and about smelters.

In November 2018, Toshiba began to survey the supply chains of its business units that produce semiconductors, hard disk drives and liquid crystal displays to determine whether conflict minerals are used in these product components. Toshiba plans to survey the supply chains of its other business units in 2018.

(\*Tin, tantalum, tungsten, and gold (referred to as "3TG")).

In June 2011, Toshiba joined the EICC (Electronic Industry Citizenship Coalition) and attends meetings throughout the year. In November 2011, Toshiba joined the Public-Private Alliance for Responsible Minerals Trade (PPA), a public-private project advocated by the U.S. government. Through the PPA, we contribute to efforts to cut off sources of funding for armed groups and provide economic support to the Democratic Republic of the Congo and its neighboring countries.

In February 2014, Toshiba joined a CSR mission to the U.S. organized by the Council for Better Corporate Citizenship (CBCC) and held dialogues with the Responsible Sourcing Network, an NGO in the U.S. In February 2012, Toshiba exchanged opinions with NGOs such as the Enough Project in the U.S. and A SEED JAPAN, both of which are working on issues related to conflict minerals. To ensure that our suppliers do not engage in inhumane treatment or acts that abuse human rights, we ask our first-tier suppliers (and their downstream suppliers) to abide by a code of conduct referred to as Supplier Expectations. We also conduct supplier audits to ensure that this policy is being followed. If any human rights violations are brought to our attention, we ask our suppliers to investigate the matter and take necessary steps to correct the violations.

Toshiba's List of Smelters follows:

| Smelter Identification | Metal | Standard Smelter Name                          | Smelter Facility Location: Country | Smelter City | RMAP*     |
|------------------------|-------|--|------------------------------------|--------------|-----------|
| CID000015              | Gold  | Advanced Chemical Company                      | UNITED STATES OF AMERICA           | Warwick      | Compliant |
| CID000019              | Gold  | Aida Chemical Industries Co., Ltd.             | JAPAN                              | Fuchu        | Compliant |
| CID000035              | Gold  | Allgemeine Gold- und Silberscheideanstalt A.G. | GERMANY                            | Pforzheim    | Compliant |

|           |      |   |                          |                 |           |
|-----------|------|---|--------------------------|-----------------|-----------|
| CID000041 | Gold | Almalyk Mining and Metallurgical Complex (AMMC)               | UZBEKISTAN               | Almalyk         | Compliant |
| CID000058 | Gold | AngloGold Ashanti Corrego do Sitio Mineracao                  | BRAZIL                   | Nova Lima       | Compliant |
| CID000077 | Gold | Argor-Heraeus S.A.  | SWITZERLAND              | Mendrisio       | Compliant |
| CID000082 | Gold | Asahi Pretec Corp.  | JAPAN                    | Kobe            | Compliant |
| CID000090 | Gold | Asaka Riken Co., Ltd.   | JAPAN                    | Tamura          | Compliant |
| CID000113 | Gold | Aurubis AG  | GERMANY                  | Hamburg         | Compliant |
| CID000128 | Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES              | Quezon City     | Compliant |
| CID000157 | Gold | Boliden AB  | SWEDEN                   | Skelleftehamn   | Compliant |
| CID000176 | Gold | C. Hafner GmbH + Co. KG                                       | GERMANY                  | Pforzheim       | Compliant |
| CID000185 | Gold | CCR Refinery - Glencore Canada Corporation                    | CANADA                   | Montréal        | Compliant |
| CID000233 | Gold | Chimet S.p.A.   | ITALY                    | Arezzo          | Compliant |
| CID000328 | Gold | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF       | Namdong-gu      | Compliant |
| CID000359 | Gold | DSC (Do Sung Corporation)                                     | KOREA, REPUBLIC OF       | Gimpo           | Compliant |
| CID000362 | Gold | DODUCO Contacts and Refining GmbH                             | GERMANY                  | Pforzheim       | Compliant |
| CID000401 | Gold | Dowa  | JAPAN                    | Kosaka          | Compliant |
| CID000425 | Gold | Eco-System Recycling Co., Ltd.                                | JAPAN                    | Honjo           | Compliant |
| CID000493 | Gold | OJSC Novosibirsk Refinery                                     | RUSSIAN FEDERATION       | Novosibirsk     | Compliant |
| CID000694 | Gold | Heimerle + Meule GmbH   | GERMANY                  | Pforzheim       | Compliant |
| CID000707 | Gold | Heraeus Metals Hong Kong Ltd.                                 | CHINA                    | Fanling         | Compliant |
| CID000711 | Gold | Heraeus Precious Metals GmbH & Co. KG                         | GERMANY                  | Hanau           | Compliant |
| CID000807 | Gold | Ishifuku Metal Industry Co., Ltd.                             | JAPAN                    | Soka            | Compliant |
| CID000814 | Gold | Istanbul Gold Refinery  | TURKEY                   | Kuyumcukent     | Compliant |
| CID000823 | Gold | Japan Mint  | JAPAN                    | Osaka           | Compliant |
| CID000855 | Gold | Jiangxi Copper Co., Ltd.                                      | CHINA                    | Guixi City      | Compliant |
| CID000920 | Gold | Asahi Refining USA Inc.                                       | UNITED STATES OF AMERICA | Salt Lake City  | Compliant |
| CID000924 | Gold | Asahi Refining Canada Ltd.                                    | CANADA                   | Brampton        | Compliant |
| CID000937 | Gold | JX Nippon Mining & Metals Co., Ltd.                           | JAPAN                    | Ōita            | Compliant |
| CID000957 | Gold | Kazzinc   | KAZAKHSTAN               | Ust-Kamenogorsk | Compliant |
| CID000969 | Gold | Kennecott Utah Copper LLC                                     | UNITED STATES OF AMERICA | Magna           | Compliant |
| CID000981 | Gold | Kojima Chemicals Co., Ltd.                                    | JAPAN                    | Sayama          | Compliant |
| CID001078 | Gold | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF       | Onsan-eup       | Compliant |

|           |      |   |                          |                   |           |
|-----------|------|---|--------------------------|-------------------|-----------|
| CID001113 | Gold | Materion  | UNITED STATES OF AMERICA | Buffalo           | Compliant |
| CID001119 | Gold | Matsuda Sangyo Co., Ltd.  | JAPAN                    | Iruma             | Compliant |
| CID001147 | Gold | Metalor Technologies (Suzhou) Ltd.  | CHINA                    | Suzhou            | Compliant |
| CID001149 | Gold | Metalor Technologies (Hong Kong) Ltd.                                       | CHINA                    | Kwai Chung        | Compliant |
| CID001152 | Gold | Metalor Technologies (Singapore) Pte., Ltd.                                 | SINGAPORE                | Singapore         | Compliant |
| CID001153 | Gold | Metalor Technologies S.A.   | SWITZERLAND              | Marin             | Compliant |
| CID001157 | Gold | Metalor USA Refining Corporation  | UNITED STATES OF AMERICA | North Attleboro   | Compliant |
| CID001161 | Gold | Metalurgica Met-Mex Penoles S.A. De C.V.                                    | MEXICO                   | Torreon           | Compliant |
| CID001188 | Gold | Mitsubishi Materials Corporation  | JAPAN                    | Naoshima          | Compliant |
| CID001193 | Gold | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                    | Takehara          | Compliant |
| CID001204 | Gold | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION       | Obrucheva         | Compliant |
| CID001220 | Gold | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                   | Bahçelievler      | Compliant |
| CID001259 | Gold | Nihon Material Co., Ltd.  | JAPAN                    | Noda              | Compliant |
| CID001325 | Gold | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                    | Nara-shi          | Compliant |
| CID001326 | Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION       | Krasnoyarsk       | Compliant |
| CID001352 | Gold | PAMP S.A.   | SWITZERLAND              | Castel San Pietro | Compliant |
| CID001386 | Gold | Prioksky Plant of Non-Ferrous Metals  | RUSSIAN FEDERATION       | Kasimov           | Compliant |
| CID001397 | Gold | PT Aneka Tambang (Persero) Tbk  | INDONESIA                | Jakarta           | Compliant |
| CID001498 | Gold | PX Precinox S.A.  | SWITZERLAND              | La Chaux-de-Fonds | Compliant |
| CID001512 | Gold | Rand Refinery (Pty) Ltd.  | SOUTH AFRICA             | Germiston         | Compliant |
| CID001534 | Gold | Royal Canadian Mint   | CANADA                   | Ottawa            | Compliant |
| CID001555 | Gold | Samduck Precious Metals   | KOREA, REPUBLIC OF       | Namdong           | Compliant |
| CID001585 | Gold | SEMPSA Joyeria Plateria S.A.  | SPAIN                    | Madrid            | Compliant |
| CID001622 | Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.                           | CHINA                    | Zhaoyuan          | Compliant |
| CID001736 | Gold | Sichuan Tianze Precious Metals Co., Ltd.                                    | CHINA                    | Chengdu           | Compliant |
| CID001756 | Gold | SOE Shyolkovsky Factory of  | RUSSIAN FEDERATION       | Shyolkovo         | Compliant |

|           |          | Secondary Precious Metals                                   |                           |                 |           |
|-----------|----------|---|---------------------------|-----------------|-----------|
| CID001761 | Gold     | Solar Applied Materials Technology Corp.                    | TAIWAN, PROVINCE OF CHINA | Tainan City     | Compliant |
| CID001798 | Gold     | Sumitomo Metal Mining Co., Ltd.                             | JAPAN                     | Saijo           | Compliant |
| CID001875 | Gold     | Tanaka Kikinzoku Kogyo K.K.                                 | JAPAN                     | Hiratsuka       | Compliant |
| CID001916 | Gold     | The Refinery of Shandong Gold Mining Co., Ltd.              | CHINA                     | Laizhou         | Compliant |
| CID001938 | Gold     | Tokuriki Honten Co., Ltd.                                   | JAPAN                     | Kuki            | Compliant |
| CID001955 | Gold     | Torecom   | KOREA, REPUBLIC OF        | Asan            | Compliant |
| CID001977 | Gold     | Umicore Brasil Ltda.  | BRAZIL                    | Guarulhos       | Compliant |
| CID001980 | Gold     | Umicore S.A. Business Unit Precious Metals Refining         | BELGIUM                   | Hoboken         | Compliant |
| CID001993 | Gold     | United Precious Metal Refining, Inc.                        | UNITED STATES OF AMERICA  | Alden           | Compliant |
| CID002003 | Gold     | Valcambi S.A.   | SWITZERLAND               | Balerna         | Compliant |
| CID002030 | Gold     | Western Australian Mint (T/a The Perth Mint)                | AUSTRALIA                 | Newburn         | Compliant |
| CID002100 | Gold     | Yamakin Co., Ltd.   | JAPAN                     | Konan           | Compliant |
| CID002129 | Gold     | Yokohama Metal Co., Ltd.                                    | JAPAN                     | Sagamihara      | Compliant |
| CID002224 | Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation         | CHINA                     | Sanmenxia       | Compliant |
| CID002243 | Gold     | Gold Refinery of Zijin Mining Group Co., Ltd.               | CHINA                     | Shanghang       | Compliant |
| CID002314 | Gold     | Umicore Precious Metals Thailand                            | THAILAND                  | Khwaeng Dok Mai | Compliant |
| CID002509 | Gold     | MMTC-PAMP India Pvt., Ltd.                                  | INDIA                     | Mewat           | Compliant |
| CID002516 | Gold     | Singway Technology Co., Ltd.                                | TAIWAN, PROVINCE OF CHINA | Dayuan          | Compliant |
| CID002580 | Gold     | T.C.A S.p.A   | ITALY                     | Capolona        | Compliant |
| CID002777 | Gold     | SAXONIA Edelmetalle GmbH                                    | GERMANY                   | Halsbrücke      | Compliant |
| CID002778 | Gold     | WIELAND Edelmetalle GmbH                                    | GERMANY                   | Pforzheim       | Compliant |
| CID002779 | Gold     | Ogussa Österreichische Gold- und Silber-Scheideanstalt GmbH | AUSTRIA                   | Vienna          | Compliant |
| CID000291 | Tantalum | Guangdong Rising Rare Metals-EO Materials Ltd.              | CHINA                     | Conghua         | Compliant |
| CID000456 | Tantalum | Exotech Inc.  | UNITED STATES OF AMERICA  | Pompano Beach   | Compliant |
| CID000460 | Tantalum | F&X Electro-Materials Ltd.                                  | CHINA                     | Jiangmen        | Compliant |
| CID000616 | Tantalum | Guangdong Zhiyuan New Material Co., Ltd.                    | CHINA                     | Yingde          | Compliant |



|           |          |   |                                  |                       |           |
|-----------|----------|---|----------------------------------|-----------------------|-----------|
| CID000914 | Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd.       | CHINA                            | Jiujiang              | Compliant |
| CID000917 | Tantalum | Jiujiang Tanbre Co., Ltd.                         | CHINA                            | Jiujiang              | Compliant |
| CID001076 | Tantalum | LSM Brasil S.A.                                   | BRAZIL                           | São João del Rei      | Compliant |
| CID001175 | Tantalum | Mineracao Taboca S.A.                             | BRAZIL                           | Presidente Figueiredo | Compliant |
| CID001200 | Tantalum | NPM Silmet AS                                     | ESTONIA                          | Sillamäe              | Compliant |
| CID001277 | Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.        | CHINA                            | Shizuishan City       | Compliant |
| CID001969 | Tantalum | Ulba Metallurgical Plant JSC                      | KAZAKHSTAN                       | Ust-Kamenogorsk       | Compliant |
| CID002492 | Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA                            | Hengyang              | Compliant |
| CID002504 | Tantalum | D Block Metals, LLC                               | UNITED STATES OF AMERICA         | Gastonia              | Compliant |
| CID002539 | Tantalum | KEMET Blue Metals                                 | MEXICO                           | Matamoros             | Compliant |
| CID002544 | Tantalum | H.C. Starck Co., Ltd.                             | THAILAND                         | Map Ta Phut           | Compliant |
| CID002545 | Tantalum | H.C. Starck Tantalum and Niobium GmbH             | GERMANY                          | Goslar                | Compliant |
| CID002547 | Tantalum | H.C. Starck Hermsdorf GmbH                        | GERMANY                          | Hermsdorf             | Compliant |
| CID002548 | Tantalum | H.C. Starck Inc.                                  | UNITED STATES OF AMERICA         | Newton                | Compliant |
| CID002549 | Tantalum | H.C. Starck Ltd.                                  | JAPAN                            | Mito                  | Compliant |
| CID002550 | Tantalum | H.C. Starck Smelting GmbH & Co. KG                | GERMANY                          | Laufenburg            | Compliant |
| CID002557 | Tantalum | Global Advanced Metals Boyertown                  | UNITED STATES OF AMERICA         | Boyertown             | Compliant |
| CID002558 | Tantalum | Global Advanced Metals Aizu                       | JAPAN                            | Aizuwakamatsu         | Compliant |
| CID002568 | Tantalum | KEMET Blue Powder                                 | UNITED STATES OF AMERICA         | Mound House           | Compliant |
| CID000228 | Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. | CHINA                            | Chenzhou              | Compliant |
| CID000292 | Tin      | Alpha   | UNITED STATES OF AMERICA         | Altoona               | Compliant |
| CID000306 | Tin      | CV Gita Pesona                                    | INDONESIA                        | Sungailiat            | Compliant |
| CID000309 | Tin      | PT Aries Kencana Sejahtera                        | INDONESIA                        | Pemali                | Compliant |
| CID000313 | Tin      | PT Premium Tin Indonesia                          | INDONESIA                        | Pangkalan             | Compliant |
| CID000315 | Tin      | CV United Smelting                                | INDONESIA                        | Pangkal Pinang        | Compliant |
| CID000402 | Tin      | Dowa  | JAPAN                            | Kosaka                | Compliant |
| CID000438 | Tin      | EM Vinto  | BOLIVIA (PLURINATIONAL STATE OF) | Oruro                 | Compliant |
| CID000468 | Tin      | Fenix Metals                                      | POLAND                           | Chmielów              | Compliant |
| CID000538 | Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.      | CHINA                            | Gejiu                 | Compliant |
| CID000942 | Tin      | Gejiu Kai Meng Industry and Trade LLC             | CHINA                            | Gejiu                 | Compliant |
| CID001070 | Tin      | China Tin Group Co., Ltd.                         | CHINA                            | Laibin                | Compliant |

|           |     |  |                                  |                        |           |
|-----------|-----|--|----------------------------------|------------------------|-----------|
| CID001105 | Tin | Malaysia Smelting Corporation (MSC)            | MALAYSIA                         | Butterworth            | Compliant |
| CID001142 | Tin | Metallic Resources, Inc.                       | UNITED STATES OF AMERICA         | Twinsburg              | Compliant |
| CID001173 | Tin | Mineracao Taboca S.A.                          | BRAZIL                           | Bairro Guarapiranga    | Compliant |
| CID001182 | Tin | Minsur   | PERU                             | Paracas                | Compliant |
| CID001191 | Tin | Mitsubishi Materials Corporation               | JAPAN                            | Asago                  | Compliant |
| CID001314 | Tin | O.M. Manufacturing (Thailand) Co., Ltd.        | THAILAND                         | Nongkham Sriracha      | Compliant |
| CID001337 | Tin | Operaciones Metalurgical S.A.                  | BOLIVIA (PLURINATIONAL STATE OF) | Oruro                  | Compliant |
| CID001399 | Tin | PT Artha Cipta Langgeng                        | INDONESIA                        | Sungailiat             | Compliant |
| CID001402 | Tin | PT Babel Inti Perkasa                          | INDONESIA                        | Lintang                | Compliant |
| CID001419 | Tin | PT Bangka Tin Industry                         | INDONESIA                        | Sungailiat             | Compliant |
| CID001421 | Tin | PT Belitung Industri Sejahtera                 | INDONESIA                        | Pegantungan            | Compliant |
| CID001428 | Tin | PT Bukit Timah                                 | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001434 | Tin | PT DS Jaya Abadi                               | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001448 | Tin | PT Karimun Mining                              | INDONESIA                        | Karimun                | Compliant |
| CID001453 | Tin | PT Mitra Stania Prima                          | INDONESIA                        | Sungailiat             | Compliant |
| CID001457 | Tin | PT Panca Mega Persada                          | INDONESIA                        | Sungailiat             | Compliant |
| CID001458 | Tin | PT Prima Timah Utama                           | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001460 | Tin | PT Refined Bangka Tin                          | INDONESIA                        | Sungailiat             | Compliant |
| CID001463 | Tin | PT Sariwiguna Binasentosa                      | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001468 | Tin | PT Stanindo Inti Perkasa                       | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001471 | Tin | PT Sumber Jaya Indah                           | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001477 | Tin | PT Timah (Persero) Tbk Kundur                  | INDONESIA                        | Kundur                 | Compliant |
| CID001482 | Tin | PT Timah (Persero) Tbk Mentok                  | INDONESIA                        | Mentok                 | Compliant |
| CID001490 | Tin | PT Tinindo Inter Nusa                          | INDONESIA                        | Pangkal Pinang         | Compliant |
| CID001493 | Tin | PT Tommy Utama                                 | INDONESIA                        | Sumping Desa Batu Peyu | Compliant |
| CID001539 | Tin | Rui Da Hung                                    | TAIWAN, PROVINCE OF CHINA        | Taoyuan                | Compliant |
| CID001758 | Tin | Soft Metais Ltda.                              | BRAZIL                           | Bebedouro              | Compliant |
| CID001898 | Tin | Thaisarco                                      | THAILAND                         | Amphur Muang           | Compliant |
| CID001908 | Tin | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd. | CHINA                            | Gejiu                  | Compliant |
| CID002036 | Tin | White Solder Metalurgia e Mineracao Ltda.      | BRAZIL                           | Ariquemes              | Compliant |
| CID002158 | Tin | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.  | CHINA                            | Gejiu                  | Compliant |
| CID002180 | Tin | Yunnan Tin Company Limited                     | CHINA                            | Gejiu                  | Compliant |

|           |          |   |             |                  |               |
|-----------|----------|---|-------------|------------------|---------------|
| CID002455 | Tin      | CV Venus Inti Perkasa   | INDONESIA   | Pangkal Pinang   | Compliant     |
| CID002468 | Tin      | Magnu's Minerais Metais e Ligas Ltda.   | BRAZIL      | São João del Rei | Compliant     |
| CID002500 | Tin      | Melt Metais e Ligas S.A.  | BRAZIL      | Ariquemes        | Compliant     |
| CID002503 | Tin      | PT ATD Makmur Mandiri Jaya  | INDONESIA   | Sungailiat       | Compliant     |
| CID002517 | Tin      | O.M. Manufacturing Philippines, Inc.  | PHILIPPINES | Rosario          | Compliant     |
| CID002530 | Tin      | PT Inti Stania Prima  | INDONESIA   | Sungailiat       | Compliant     |
| CID002570 | Tin      | CV Ayi Jaya   | INDONESIA   | Sungailiat       | Compliant     |
| CID002592 | Tin      | CV Dua Sekawan  | INDONESIA   | Pangkal Pinang   | Compliant     |
| CID002593 | Tin      | CV Tiga Sekawan   | INDONESIA   | Pangkal Pinang   | Compliant     |
| CID002706 | Tin      | Resind Industria e Comercio Ltda.   | BRAZIL      | São João del Rei | Compliant     |
| CID002773 | Tin      | Metallo Belgium N.V.  | BELGIUM     | Beerse           | Compliant     |
| CID002774 | Tin      | Metallo Spain S.L.U.  | SPAIN       | Berango          | Compliant     |
| CID002776 | Tin      | PT Bangka Prima Tin   | INDONESIA   | Air Mesu         | Compliant     |
| CID002816 | Tin      | PT Sukses Inti Makmur   | INDONESIA   | Sungai Samak     | Compliant     |
| CID002835 | Tin      | PT Menara Cipta Mulia   | INDONESIA   | Mentawak         | Compliant     |
| CID002844 | Tin      | HuiChang Hill Tin Industry Co., Ltd.  | CHINA       | Ganzhou          | Compliant     |
| CID002859 | Tin      | Gejiu Jinye Mineral Company   | CHINA       | Jijie            | Compliant     |
| CID002870 | Tin      | PT Lautan Harmonis Sejahtera  | INDONESIA   | Pasir Putih      | Compliant     |
| CID003116 | Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.   | CHINA       | Chaozhou         | Compliant     |
| CID000258 | Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.  | CHINA       | Ganzhou          | Compliant     |
| CID000825 | Tungsten | Japan New Metals Co., Ltd.  | JAPAN       | Akita City       | Compliant     |
| CID000103 | Gold     | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.  | TURKEY      | Istanbul         | Non-compliant |
| CID000264 | Gold     | Chugai Mining   | JAPAN       | Chiyoda          | Non-compliant |
| CID000767 | Gold     | Hunan Chenzhou Mining Co., Ltd.   | CHINA       | Yuanling         | Non-compliant |
| CID001236 | Gold     | Navoi Mining and Metallurgical Combinat   | UZBEKISTAN  | Navoi            | Non-compliant |
| CID001573 | Gold     | Schone Edelmetaal B.V.  | NETHERLANDS | Amsterdam        | Non-compliant |
| CID002282 | Gold     | Morris and Watson   | NEW ZEALAND | Onehunga         | Non-compliant |
| CID002572 | Tin      | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM    | Tinh Tuc         | Non-compliant |
| CID002573 | Tin      | Nghe Tinh Non-Ferrous Metals Joint Stock Company                                      | VIET NAM    | Quy Hop          | Non-compliant |

|           |          |  |          |           |               |
|-----------|----------|--|----------|-----------|---------------|
| CID002574 | Tin      | Tuyen Quang Non-Ferrous Metals Joint Stock Company   | VIET NAM | Tan Quang | Non-compliant |
| CID002703 | Tin      | An Vinh Joint Stock Mineral Processing Company       | VIET NAM | Quy Hop   | Non-compliant |
| CID002535 | Tungsten | Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd. | CHINA    | Xiushui   | Non-compliant |

**THIS IS THE END OF THE TOSHIBA REPORT**

**Western Digital:** we conducted due diligence to determine the source and chain of custody of the necessary 3TG in our products. As part of that process, we actively surveyed our direct suppliers that we believed potentially supplied us with products, materials or components containing necessary 3TG during 2018 and requested that they disclose the smelters and refiners that processed the necessary 3TG in the products they supplied to us in 2018. For calendar year 2018, we received completed Conflict Minerals Reporting Templates from 100% of the suppliers surveyed. For calendar year 2018, our suppliers identified to us the smelters and refiners listed on Annex A as having processed the necessary 3TG contained in our products. Of the 258 smelters and refiners identified, 250 were identified by the RMI as “conformant,” 3 were identified by the RMI as “active,” and 5 were on the Smelter Look-up tab only. All 5 of the smelters and refiners on the Smelter Look-up tab only have, according to the RMI, ceased operations either permanently or temporarily. These 258 smelters and refiners may not be all of the smelters and refiners in our 2018 supply chain for the reasons indicated in note (1)(a) to Annex A. Due to our position in the supply chain, which is discussed above, we rely on our suppliers for complete and accurate smelter and refiner information. Therefore, our due diligence measures cannot provide absolute certainty regarding the source and chain of custody of the necessary 3TG contained in our 2018 products.

**Smelters and Refiners**

In connection with our reasonable country of origin inquiry or due diligence, as applicable, our suppliers identified to us the smelters and refiners listed below as having processed the necessary 3TG contained in our products in 2018. Please see the notes that accompany the table for important information concerning the data in the table.

Smelter and Refiner Information (1)

| Metal | Name of Smelter or Refiner                      | Country of Location      | Smelter or Refiner Status |
|-------|---|--------------------------|---------------------------|
| Gold  | Advanced Chemical Company                       | UNITED STATES OF AMERICA | Conformant                |
| Gold  | Aida Chemical Industries Co., Ltd.              | JAPAN                    | Conformant                |
| Gold  | Al Etihad Gold LLC                              | UNITED ARAB EMIRATES     | Conformant                |
| Gold  | Allgemeine Gold-und Silberscheideanstalt A.G.   | GERMANY                  | Conformant                |
| Gold  | Almalyk Mining and Metallurgical Complex (AMMC) | UZBEKISTAN               | Conformant                |
| Gold  | AngloGold Ashanti Corrego do Sitio Mineracao    | BRAZIL                   | Conformant                |
| Gold  | Argor-Heraeus S.A.                              | SWITZERLAND              | Conformant                |
| Gold  | Asahi Pretec Corp.                              | JAPAN                    | Conformant                |
| Gold  | Asahi Refining Canada Ltd.                      | CANADA                   | Conformant                |

| Metal | Name of Smelter or Refiner  | Country of Location      | Smelter or Refiner Status |
|-------|---|--------------------------|---------------------------|
| Gold  | Asahi Refining USA Inc.   | UNITED STATES OF AMERICA | Conformant                |
| Gold  | Asaka Riken Co., Ltd.   | JAPAN                    | Conformant                |
| Gold  | AU Traders and Refiners   | SOUTH AFRICA             | Conformant                |
| Gold  | Aurubis AG  | GERMANY                  | Conformant                |
| Gold  | Bangalore Refinery  | INDIA                    | Active                    |
| Gold  | Bangko Sentral ng Pilipinas (Central Bank of the Philippines)               | PHILIPPINES              | Conformant                |
| Gold  | Boliden AB  | SWEDEN                   | Conformant                |
| Gold  | C. Hainzer GmbH + Co. KG  | GERMANY                  | Conformant                |
| Gold  | CCR Refinery—Glencore Canada Corporation                                    | CANADA                   | Conformant                |
| Gold  | Cendres + Metaux S.A.   | SWITZERLAND              | Conformant                |
| Gold  | Chimet S.p.A.   | ITALY                    | Conformant                |
| Gold  | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF       | Conformant                |
| Gold  | Doduco  | GERMANY                  | Conformant                |
| Gold  | Dowa  | JAPAN                    | Conformant                |
| Gold  | DSC (Do Sung Corporation)   | KOREA, REPUBLIC OF       | Conformant                |
| Gold  | Eco-System Recycling Co., Ltd.  | JAPAN                    | Conformant                |
| Gold  | Emirates Gold DMCC  | UNITED ARAB EMIRATES     | Conformant                |
| Gold  | Geib Refining Corporation   | UNITED STATES OF AMERICA | Conformant                |
| Gold  | Gold Refinery of Zijin Mining Group Co., Ltd.                               | CHINA                    | Conformant                |
| Gold  | HeeSung Metal Ltd.  | KOREA, REPUBLIC OF       | Conformant                |
| Gold  | Heimerle + Meule GmbH   | GERMANY                  | Conformant                |
| Gold  | Heraeus Metals Hong Kong Ltd.   | CHINA                    | Conformant                |
| Gold  | Heraeus Precious Metals GmbH & Co. KG                                       | GERMANY                  | Conformant                |
| Gold  | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.             | CHINA                    | Conformant                |
| Gold  | Ishihaku Metal Industry Co., Ltd.   | JAPAN                    | Conformant                |
| Gold  | Istanbul Gold Refinery  | TURKEY                   | Conformant                |
| Gold  | Italpreziosi  | ITALY                    | Conformant                |
| Gold  | Japan Mint  | JAPAN                    | Conformant                |
| Gold  | Jiangxi Copper Co., Ltd.  | CHINA                    | Conformant                |
| Gold  | JSC Uralsktromed  | RUSSIAN FEDERATION       | Conformant                |
| Gold  | JX Nippon Mining & Metals Co., Ltd.   | JAPAN                    | Conformant                |
| Gold  | Kazzinc   | KAZAKHSTAN               | Conformant                |
| Gold  | Kennecott Utah Copper LLC   | UNITED STATES OF AMERICA | Conformant                |
| Gold  | KGHM Polska Miedz Spolka Akcyjna  | POLAND                   | Active                    |
| Gold  | Kojima Chemicals Co., Ltd.  | JAPAN                    | Conformant                |
| Gold  | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF       | Conformant                |
| Gold  | Kyrgyzalтын JSC   | KYRGYZSTAN               | Conformant                |
| Gold  | L'Orfèvre S.A.  | ANDORRA                  | Conformant                |
| Gold  | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF       | Conformant                |
| Gold  | Mansam Metals   | BRAZIL                   | Conformant                |
| Gold  | Materion  | UNITED STATES OF AMERICA | Conformant                |
| Gold  | Matsuda Sangyo Co., Ltd.  | JAPAN                    | Conformant                |
| Gold  | Metalor Technologies (Hong Kong) Ltd.                                       | CHINA                    | Conformant                |
| Gold  | Metalor Technologies (Singapore) Pte., Ltd.                                 | SINGAPORE                | Conformant                |
| Gold  | Metalor Technologies (Suzhou) Ltd.  | CHINA                    | Conformant                |
| Gold  | Metalor Technologies S.A.   | SWITZERLAND              | Conformant                |
| Gold  | Metalor USA Refining Corporation  | UNITED STATES OF AMERICA | Conformant                |
| Gold  | Metalurgica Met-Mex Pexoles S.A. De C.V.                                    | MEXICO                   | Conformant                |
| Gold  | Mitsubishi Materials Corporation  | JAPAN                    | Conformant                |
| Gold  | Mitsui Mining and Smelting Co., Ltd.  | JAPAN                    | Conformant                |
| Gold  | MMTC-PAMP India Pvt., Ltd.  | INDIA                    | Conformant                |
| Gold  | Moscow Special Alloys Processing Plant                                      | RUSSIAN FEDERATION       | Conformant                |
| Gold  | Nadir Metal Rafineri San. Ve Tic. A.S.                                      | TURKEY                   | Conformant                |
| Gold  | Nihon Material Co., Ltd.  | JAPAN                    | Conformant                |
| Gold  | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH                 | AUSTRIA                  | Conformant                |
| Gold  | Ohura Precious Metal Industry Co., Ltd.                                     | JAPAN                    | Conformant                |
| Gold  | OJSC "The Gul'dov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION       | Conformant                |
| Gold  | OJSC Novosibirsk Refinery   | RUSSIAN FEDERATION       | Conformant                |
| Gold  | PAMP S.A.   | SWITZERLAND              | Conformant                |
| Gold  | Planta Recuperadora de Metales SpA  | CHILE                    | Conformant                |
| Gold  | Prilsky Plant of Non-Ferrous Metals   | RUSSIAN FEDERATION       | Conformant                |
| Gold  | PT Anika Tambang (Parsoro) Tbk  | INDONESIA                | Conformant                |

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|----------|--|---|----------------|
| Gold     | PX Precinox S.A.   | SWITZERLAND                                   | Conformant     |
| Gold     | Rand Refinery (Pty) Ltd.   | SOUTH AFRICA                                  | Conformant     |
| Gold     | Remondis Argentina B.V.  | NETHERLANDS                                   | Conformant     |
| Gold     | Republic Metals Corporation  | UNITED STATES OF AMERICA                      | Not Applicable |
| Gold     | Royal Canadian Mint  | CANADA  | Conformant     |
| Gold     | SAAMP  | FRANCE  | Conformant     |
| Gold     | Safimet S.p.A  | ITALY   | Conformant     |
| Gold     | Sanduck Precious Metals  | KOREA, REPUBLIC OF                            | Conformant     |
| Gold     | SAXONIA Edelmetalle GmbH   | GERMANY                                       | Conformant     |
| Gold     | SEMPSA Joyeria Plateria S.A.   | SPAIN   | Conformant     |
| Gold     | Shandong Zhanjin Gold & Silver Refinery Co., Ltd.                                | CHINA   | Conformant     |
| Gold     | Sichuan Tianze Precious Metals Co., Ltd.   | CHINA   | Conformant     |
| Gold     | Singway Technology Co., Ltd.   | TAIWAN, PROVINCE OF CHINA                     | Conformant     |
| Gold     | SOE Shoykovsky Factory of Secondary Precious Metals                              | RUSSIAN FEDERATION                            | Conformant     |
| Gold     | Solar Applied Materials Technology Corp.   | TAIWAN, PROVINCE OF CHINA                     | Conformant     |
| Gold     | Sumitomo Metal Mining Co., Ltd.  | JAPAN   | Conformant     |
| Gold     | SungEol HiMetal Co., Ltd.  | KOREA, REPUBLIC OF                            | Conformant     |
| Gold     | T.C.A S.p.A  | ITALY   | Conformant     |
| Gold     | Tanaka Kikinroku Kogyo K.K.  | JAPAN   | Conformant     |
| Gold     | The Refinery of Shandong Gold Mining Co., Ltd.                                   | CHINA   | Conformant     |
| Gold     | Tokuniki Honten Co., Ltd.  | JAPAN   | Conformant     |
| Gold     | Torecom  | KOREA, REPUBLIC OF                            | Conformant     |
| Gold     | Umicore Brasil Ltda.   | BRAZIL  | Conformant     |
| Gold     | Umicore Precious Metals Thailand   | THAILAND                                      | Conformant     |
| Gold     | Umicore S.A. Business Unit Precious Metals Refining                              | BELGIUM                                       | Conformant     |
| Gold     | United Precious Metal Refining, Inc.   | UNITED STATES OF AMERICA                      | Conformant     |
| Gold     | Valcambi S.A.  | SWITZERLAND                                   | Conformant     |
| Gold     | Western Australian Mint (T/a The Perth Mint)                                     | AUSTRALIA                                     | Conformant     |
| Gold     | WIELAND Edelmetalle GmbH   | GERMANY                                       | Conformant     |
| Gold     | Yamakin Co., Ltd.  | JAPAN   | Conformant     |
| Gold     | Yokohama Metal Co., Ltd.   | JAPAN   | Conformant     |
| Gold     | Zhongyuan Gold Smelter of Zhongjin Gold Corporation                              | CHINA   | Conformant     |
| Tantalum | Asaka Riken Co., Ltd.  | JAPAN   | Conformant     |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.  | CHINA   | Conformant     |
| Tantalum | Conghua Tantalum and Niobium Smeltry   | CHINA   | Conformant     |
| Tantalum | D Block Metals, LLC  | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | Exotech Inc.   | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | F&X Electro-Materials Ltd.   | CHINA   | Conformant     |
| Tantalum | FIR Metals & Resource Ltd.   | CHINA   | Conformant     |
| Tantalum | Global Advanced Metals Aizu  | JAPAN   | Conformant     |
| Tantalum | Global Advanced Metals Boyertown   | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | Guangdong Zhixuan New Material Co., Ltd.   | CHINA   | Conformant     |
| Tantalum | H.C. Starck Co., Ltd.  | THAILAND                                      | Conformant     |
| Tantalum | H.C. Starck Hemsdorf GmbH  | GERMANY                                       | Conformant     |
| Tantalum | H.C. Starck Inc.   | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | H.C. Starck Ltd.   | JAPAN   | Conformant     |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG   | GERMANY                                       | Conformant     |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH  | GERMANY                                       | Conformant     |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.                                | CHINA   | Conformant     |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.                                     | CHINA   | Conformant     |
| Tantalum | Jiangxi Tuohong New Raw Material   | CHINA   | Conformant     |
| Tantalum | Jujiang Janny New Material Co., Ltd.   | CHINA   | Conformant     |
| Tantalum | Jujiang JinXin Nonferrous Metals Co., Ltd.                                       | CHINA   | Conformant     |
| Tantalum | Jujiang Nonferrous Metals Smelting Company Limited                               | CHINA   | Conformant     |
| Tantalum | Jujiang Zhongao Tantalum & Niobium Co., Ltd.                                     | CHINA   | Conformant     |
| Tantalum | KEMET Blue Metals  | MEXICO  | Conformant     |
| Tantalum | KEMET Blue Powder  | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | LSM Brasil S.A.  | BRAZIL  | Conformant     |
| Tantalum | Metallurgical Products India Pvt., Ltd.  | INDIA   | Conformant     |
| Tantalum | Mineracao Taboca S.A.  | BRAZIL  | Conformant     |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.   | JAPAN   | Conformant     |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.                                       | CHINA   | Conformant     |
| Tantalum | NPM Silmot AS  | ESTONIA                                       | Conformant     |
| Tantalum | Power Resources Ltd.   | MACEDONIA, THE FORMER YUGOSLAV<br>REPUBLIC OF | Conformant     |
| Tantalum | QuantumClean   | UNITED STATES OF AMERICA                      | Conformant     |
| Tantalum | Resind Industria e Comercio Ltda.  | BRAZIL  | Conformant     |
| Tantalum | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng<br>Tantalum & Niobium Co., Ltd. | CHINA   | Conformant     |
| Tantalum | Solikamsk Magnesium Works OAO  | RUSSIAN FEDERATION                            | Conformant     |
| Tantalum | Taki Chemical Co., Ltd.  | JAPAN   | Conformant     |
| Tantalum | Telex Metals   | UNITED STATES OF AMERICA                      | Conformant     |

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|----------|---|----------------------------------|----------------|
| Tantalum | Ulba Metallurgical Plant JSC                        | KAZAKHSTAN                       | Conformant     |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.       | CHINA                            | Conformant     |
| Tin      | Alent plc   | UNITED STATES OF AMERICA         | Conformant     |
| Tin      | Chenzhou Yun Xiang mining limited liability company | CHINA                            | Conformant     |
| Tin      | Chaifeng Dajingzi Tin Industry Co., Ltd.            | CHINA                            | Conformant     |
| Tin      | China Tin Group Co., Ltd.                           | CHINA                            | Conformant     |
| Tin      | CV Ayi Jaya   | INDONESIA                        | Conformant     |
| Tin      | CV Dua Sekawan                                      | INDONESIA                        | Conformant     |
| Tin      | CV Gita Pesona                                      | INDONESIA                        | Conformant     |
| Tin      | CV Serumpun Sebalai                                 | INDONESIA                        | Conformant     |
| Tin      | CV Tiga Sekawan                                     | INDONESIA                        | Conformant     |
| Tin      | CV United Smelting                                  | INDONESIA                        | Conformant     |
| Tin      | CV Venus Inti Perkasa                               | INDONESIA                        | Conformant     |
| Tin      | Dowa  | JAPAN                            | Conformant     |
| Tin      | EM Vinto  | BOLIVIA (PLURINATIONAL STATE OF) | Conformant     |
| Tin      | Fenix Metals  | POLAND                           | Conformant     |
| Tin      | Gejiu Fengming Metallurgy Chemical Plant            | CHINA                            | Conformant     |
| Tin      | Gejiu Jinye Mineral Company                         | CHINA                            | Conformant     |
| Tin      | Gejiu Kai Meng Industry and Trade LLC               | CHINA                            | Conformant     |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.        | CHINA                            | Conformant     |
| Tin      | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.      | CHINA                            | Conformant     |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.          | CHINA                            | Active         |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.         | CHINA                            | Conformant     |
| Tin      | Guanyang Guida Nonferrous Metal Smelting Plant      | CHINA                            | Conformant     |
| Tin      | HuiChang Hill Tin Industry Co., Ltd.                | CHINA                            | Conformant     |
| Tin      | Huichang Jinshunda Tin Co., Ltd.                    | CHINA                            | Conformant     |
| Tin      | Jiangxi Ketai Advanced Material Co., Ltd.           | CHINA                            | Not Applicable |
| Tin      | Jiangxi New Nanshan Technology Ltd.                 | CHINA                            | Conformant     |
| Tin      | Magnu's Minorais Metais e Ligas Ltda.               | BRAZIL                           | Conformant     |
| Tin      | Malaysia Smelting Corporation (MSC)                 | MALAYSIA                         | Conformant     |
| Tin      | Melt Metais e Ligas S.A.                            | BRAZIL                           | Conformant     |
| Tin      | Metallic Resources, Inc.                            | UNITED STATES OF AMERICA         | Conformant     |
| Tin      | Metallo Belgium N.V.                                | BELGIUM                          | Conformant     |
| Tin      | Metallo Spain S.L.U.                                | SPAIN                            | Conformant     |
| Tin      | Mineracao Taboca S.A.                               | BRAZIL                           | Conformant     |
| Tin      | Minsur  | PERU                             | Conformant     |
| Tin      | Mitsubishi Materials Corporation                    | JAPAN                            | Conformant     |
| Tin      | Modeltech Sdn Bhd                                   | MALAYSIA                         | Conformant     |
| Tin      | O.M. Manufacturing (Thailand) Co., Ltd.             | THAILAND                         | Conformant     |
| Tin      | O.M. Manufacturing Philippines, Inc.                | PHILIPPINES                      | Conformant     |
| Tin      | Operaciones Metalurgical S.A.                       | BOLIVIA (PLURINATIONAL STATE OF) | Conformant     |
| Tin      | PT Aries Kencana Sejahtera                          | INDONESIA                        | Conformant     |
| Tin      | PT Artha Cipta Langgeng                             | INDONESIA                        | Conformant     |
| Tin      | PT ATD Makmur Mandiri Jaya                          | INDONESIA                        | Conformant     |
| Tin      | PT Babel Inti Perkasa                               | INDONESIA                        | Conformant     |
| Tin      | PT Bangka Prima Tin                                 | INDONESIA                        | Conformant     |
| Tin      | PT Bangka Serumpun                                  | INDONESIA                        | Conformant     |
| Tin      | PT Bangka Tin Industry                              | INDONESIA                        | Conformant     |
| Tin      | PT Belitung Industri Sejahtera                      | INDONESIA                        | Conformant     |
| Tin      | PT Bukit Timah                                      | INDONESIA                        | Conformant     |
| Tin      | PT DS Jaya Abadi                                    | INDONESIA                        | Conformant     |
| Tin      | PT Eunindo Usaha Mandiri                            | INDONESIA                        | Not Applicable |
| Tin      | PT Inti Stania Prima                                | INDONESIA                        | Conformant     |
| Tin      | PT Kariman Mining                                   | INDONESIA                        | Conformant     |
| Tin      | PT Kijang Jaya Mandiri                              | INDONESIA                        | Conformant     |
| Tin      | PT Lautan Harmonis Sejahtera                        | INDONESIA                        | Conformant     |
| Tin      | PT Menara Cipta Mulia                               | INDONESIA                        | Conformant     |
| Tin      | PT Mitra Stania Prima                               | INDONESIA                        | Conformant     |
| Tin      | PT Panca Mega Persada                               | INDONESIA                        | Conformant     |
| Tin      | PT Prima Timah Utama                                | INDONESIA                        | Conformant     |
| Tin      | PT Refined Bangka Tin                               | INDONESIA                        | Conformant     |
| Tin      | PT Sariwiguna Binasentosa                           | INDONESIA                        | Conformant     |
| Tin      | PT Stanindo Inti Perkasa                            | INDONESIA                        | Conformant     |
| Tin      | PT Sukses Inti Makmur                               | INDONESIA                        | Conformant     |
| Tin      | PT Sumber Jaya Indah                                | INDONESIA                        | Conformant     |
| Tin      | PT Timah (Persero) Tbk Kundur                       | INDONESIA                        | Conformant     |
| Tin      | PT Timah (Persero) Tbk Mentok                       | INDONESIA                        | Conformant     |
| Tin      | PT Tinindo Inter Nusa                               | INDONESIA                        | Conformant     |
| Tin      | PT Tommy Utama                                      | INDONESIA                        | Conformant     |
| Tin      | Resind Industria e Comercio Ltda.                   | BRAZIL                           | Conformant     |
| Tin      | Rui De Hong   | TAIWAN, PROVINCE OF CHINA        | Conformant     |
| Tin      | Soft Metais Ltda.                                   | BRAZIL                           | Conformant     |
| Tin      | Thaisarco   | THAILAND                         | Conformant     |
| Tin      | White Solder Metalurgia e Mineracao Ltda.           | BRAZIL                           | Conformant     |
| Tin      | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.       | CHINA                            | Conformant     |
| Tin      | Yunnan Tin Company Limited                          | CHINA                            | Conformant     |
| Tungsten | ACL Metais Eireli                                   | BRAZIL                           | Conformant     |
| Tungsten | ALMT Corp   | JAPAN                            | Conformant     |

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|----------|---|--------------------------|----------------|
| Tungsten | Asia Tungsten Products Vietnam Ltd.                           | VIET NAM                 | Not Applicable |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.                  | CHINA                    | Conformant     |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                          | CHINA                    | Conformant     |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                              | CHINA                    | Conformant     |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                          | CHINA                    | Conformant     |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.                   | CHINA                    | Conformant     |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                       | CHINA                    | Conformant     |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                            | CHINA                    | Conformant     |
| Tungsten | Global Tungsten & Powders Corp.                               | UNITED STATES OF AMERICA | Conformant     |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                          | CHINA                    | Conformant     |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                            | GERMANY                  | Conformant     |
| Tungsten | H.C. Starck Tungsten GmbH                                     | GERMANY                  | Conformant     |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                               | CHINA                    | Conformant     |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji               | CHINA                    | Conformant     |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                   | CHINA                    | Conformant     |
| Tungsten | Hydrometallurg, JSC   | RUSSIAN FEDERATION       | Conformant     |
| Tungsten | Japan New Metals Co., Ltd.                                    | JAPAN                    | Conformant     |
| Tungsten | Jiangxi H.C. Starck Tungsten Products Co., Ltd.               | CHINA                    | Conformant     |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                    | Conformant     |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                    | Conformant     |
| Tungsten | Jiangxi Xinsong Tungsten Industry Co., Ltd.                   | CHINA                    | Conformant     |
| Tungsten | Jiangxi Yaoshang Tungsten Co., Ltd.                           | CHINA                    | Conformant     |
| Tungsten | Kennametal Fallon   | UNITED STATES OF AMERICA | Conformant     |
| Tungsten | Kennametal Huntsville   | UNITED STATES OF AMERICA | Conformant     |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | CHINA                    | Conformant     |
| Tungsten | Moliron Ltd.  | RUSSIAN FEDERATION       | Conformant     |
| Tungsten | Niagara Refining LLC  | UNITED STATES OF AMERICA | Conformant     |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC     | VIET NAM                 | Conformant     |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                     | PHILIPPINES              | Conformant     |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City  | CHINA                    | Conformant     |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | VIET NAM                 | Conformant     |
| Tungsten | Unecha Refractory metals plant                                | RUSSIAN FEDERATION       | Conformant     |
| Tungsten | Vietnam Youngsun Tungsten Industry Co., Ltd.                  | VIET NAM                 | Not Applicable |
| Tungsten | Wolfram Bergbau und Hutten AG                                 | AUSTRIA                  | Conformant     |
| Tungsten | Woltech Korea Co., Ltd.                                       | KOREA, REPUBLIC OF       | Conformant     |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                              | CHINA                    | Conformant     |
| Tungsten | Xiamen Tungsten Co., Ltd.                                     | CHINA                    | Conformant     |
| Tungsten | Xinfeng Huanui Tungsten & Molybdenum New Material Co., Ltd.   | CHINA                    | Conformant     |
| Tungsten | Xinzhai Rendan Shaoguan Tungsten Co., Ltd.                    | CHINA                    | Conformant     |

We have now had responses from every one of the vendors we requested them from. We shall drop 2 from the next list and we may have at least one more vendor to add going forward.

We are also looking to monitor other multi-stakeholder initiatives working to address issues in responsible mineral sourcing, including the Public/Private Alliance for Responsible Minerals Trade and the Responsible Cobalt Initiative.

Ace aspires to be DRC Conflict-Free and to source responsibly from the Covered Countries through RMAP conformant smelters or refiners. We found that some suppliers either misunderstood how to use RMAP RCOI to determine country of origin, or based their responses to whether they were sourcing from the Covered Countries solely on what their suppliers had reported to them. In these situations, we encouraged suppliers to join RMAP to get accurate data and educated some on using the RMAP data. Suppliers who publish their conflict minerals policy show a commitment to responsible sourcing.

Under our Conflict Minerals Policy, we intend to be “DRC Conflict-Free,” not “DRC-free,” and therefore we support responsible sourcing from the Covered Countries in order to support peaceful economic activity in the region. Thus, we review our suppliers’ conflict minerals policies to assure there is no intent to ban sourcing from the Covered Countries, and provide feedback on improving their policies if necessary. We expect all suppliers to work toward sourcing only from RMAP conformant smelters.

When a supplier reports a smelter that has not been audited we require them to take steps to engage those smelters in RMAP or remove them from their supply chains. Thus, we review our suppliers’ conflict minerals policies to assure



there is no intent to ban sourcing from the Covered Countries, and provide feedback on improving their policies if necessary. Suppliers reporting smelters in their supply chain identified by us as presenting higher risk and having low probability of remediation will undergo a deeper assessment.

We intend to require suppliers reporting high-risk smelters to provide information on the sources reporting those smelters, and whether those suppliers were providing material for the products sold to Ace. If the supplier was unable to remove those smelters from our supply chain during the 2019 reporting year, we will require them to provide a smelter removal timeline for 2020. Issues with suppliers not providing this additional information and commitment to remove high-risk smelters will be escalated through procurement staff responsible for the commercial relationships.

In 2020, we are continuing our policies and are maintaining our expectations for suppliers to source only from RMAP conformant smelters and refiners and to take steps to address risks in the 3TG supply chain. As part of these efforts, we will continue to work with and support capability building for our suppliers to help them understand and address areas of risk in their own supply chains.