

SAMSUNG ELECTRONICS' RESPONSIBLE MINERALS REPORT

Samsung Electronics' Responsible Minerals Report 2022



SAMSUNG

Samsung Electronics’ Declaration on Conflict Minerals

Respecting and protecting human rights is a top priority for Samsung Electronics Co., Ltd. (“Samsung”) and this is codified and enforced through our Code of Conduct.

We do not tolerate human rights violations or environmental damage caused by mineral mining in conflict-affected and high-risk areas worldwide. We are committed to eliminating such violations and abuses, including child exploitation and sexual violence associated with mineral mining, and minimizing any harm to the health and safety of the workers at mining sites across the globe.

For that reason, we ensure that our supply chain complies with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (hereinafter referred to as the “OECD Due Diligence Guidance”). This requires all our business partners to abide by our Supplier Code of Conduct based on internationally accepted standards.

We work with other global companies by taking part in umbrella organizations such as the Responsible Business Alliance’s (RBA) Responsible Minerals Initiative (RMI) and the European Partnership for Responsible Minerals (EPRM), eliminating conflict minerals and supporting responsible mineral sourcing.

Through these efforts, we have established a conflict-free minerals management system that prohibits the use of minerals sourced from conflict-affected and high-risk areas in 10 African countries, including the Democratic Republic of the Congo . Additionally, we only use minerals from smelters certified by global, independent third-party organizations.

About this report

Purpose

In recent years, illegally mined minerals – mainly tantalum, tin, tungsten, gold, and cobalt – from conflict-affected and high-risk areas have come under persistent public scrutiny, which has led to a growing call for corporate action for responsible mineral sourcing. We understand that we must act responsibly as a global citizen in terms of minerals sourcing.

We utilize a wide variety of components that contain minerals such as tantalum, tin, tungsten, gold, and cobalt in manufacturing our products. Throughout this process, we continuously strive to build a responsible supply chain management system and invite our business partners to join our initiatives to advance human rights and protect the environment across conflict-affected and high-risk areas. This Responsible Minerals Report outlines our endeavors as a global company to pave the way forward toward creating a sustainable future for all humanity and the planet.

Scope and Period

All products commercially marketed to consumers and all materials directly purchased for manufacturing by Samsung Electronics are managed on a yearly basis. Accordingly, this report covers our activities from January 1 through December 31, 2021

Reporting Target

Product Group

Our standards for conflict minerals apply to all materials and components sourced from our suppliers and their subcontractors associated with our products manufactured and commercially marketed, regardless of where the products are manufacturing facilities are located.

| Business divisions | Key products |
|---------------------------|--|
| DX (Device eXperience) | TVs, Monitors, Refrigerators, Washers, Air conditioners, HHP, PCs, Network systems, Ultrasound systems |
| DS (Device Solutions) | DRAM, SSDs, NAND flash, Mobile APs, Image sensors |

Minerals

We actively work to avoid the use of any illegally mined minerals such as tantalum, tin, tungsten, gold, and cobalt from conflict-affected and high-risk areas. We continuously monitor the mineral sourcing practices of our suppliers and work to expand the scope of our monitoring efforts.

※ Main Minerals

Conflict Minerals

Conflict minerals, as defined by the US Dodd-Frank Act, include tantalum, tin, tungsten, and gold (3TG) that are illegally mined in the 10 African countries – the Democratic Republic of the Congo, Congo, the Central African Republic, South Sudan, Uganda, Rwanda, Burundi, Tanzania, Zambia, and Angola. The characteristics of each mineral are as follows.

① Tantalum (Symbol of element: Ta)

Tantalum is commonly found in electric and electronic products that require high reliability in extreme environments. The metal is typically used in electrical components and precision alloys that are applied to electronic, automotive, and aerospace products. The Democratic Republic of the Congo holds 70-80% of the world's tantalum reserves.

② Tin (Symbol of element: Sn)

Tin is mainly used in solders and extensively applied to many electronic products and components today. It is mostly produced in some Central African countries, China, and Indonesia.

③ Tungsten (Symbol of element: W)

Due to its strength and high melting point, tungsten is widely used in products of the electronics, automotive, and aerospace industries. China is the world's largest producer of tungsten with some produced in Central Africa.

④ Gold (Symbol of element: Au)

Gold is known for its outstanding malleability, ductility, thermal conductivity, and electrical conductivity, making it a widely used material in IT products, semiconductors, and medical devices. As a precious metal, gold is also used for decorations and accessories.

Gold is valuable, malleable, and convenient to transport. As a result, it is easy to smuggle, exchange worldwide, and trade anonymously for cash. Due to these characteristics, the supply chains of gold are complex and not transparent, leading to its use in funding organized crime and terrorism.

Other Minerals

Samsung focuses on other minerals other than 3TG if there are global issues such as child labor, human rights, and environmental issues, including conflict minerals. The characteristics of each mineral are as follows.

① Cobalt (Symbol of element: Co)

Cobalt is mostly used in lithium-ion batteries that constitute an integral part of electric vehicles, mobile phones, and laptop computers. It is also frequently used in adhesive joints of electric and electronic products. The Democratic Republic of the Congo, the world's largest producer of cobalt, holds 50% of global cobalt deposits. While cobalt is usually mass produced with machine equipment, it is also extracted through artisanal mining, which has raised concerns in the international community in relation to child labor and unsafe working conditions at cobalt mining sites.

② Mica

Mica, unlike other minerals, is a collection of rock-forming minerals such as calcium, magnesium, iron, and nitrogen. Depending on its layered structures, mica is categorized into thin flakes or sheets. The former is typically applied to cement and paint used for construction, while the latter is mainly used for electrical insulation and car paint.

90% of mica sheets consumed in the world are produced in India, and in recent years, many reports have raised the issue of illegal underage labor at mica mining sites.

③ Lithium (Symbol of element: Li)

Lithium is typically used in lithium-ion batteries, and the glass and ceramics industries are the main consumers of the mineral, which is used to process silica sand.

South American countries, including Argentina, Chile, and Bolivia, account for 70% of the global production of lithium. Reports have highlighted issues such as forced labor and environmental degradation caused by radioactive materials and byproducts of heavy metals at mining sites.

Samsung Electronics' Policy on Responsible Mineral Sourcing

We are committed to contributing to a more sustainable future for the public as well as our planet. We believe that establishing a responsible supply chain and encouraging the participation of our suppliers is the most important step we can take in minimizing the human rights violations and environmental degradation.

Based on the OECD Due Diligence Guidance, we manage our supply chain on an ongoing basis for ethical and responsible sourcing and mandate our suppliers to adopt our Supplier Code of Conduct, based on international industry standards. We also actively engage other companies and the relevant stakeholders in the industry to promote responsible sourcing of minerals through initiatives such as RBA, RMI, and EPRM.

Conflict Minerals

We are aware that in some areas of 10 African countries, including the Democratic Republic of the Congo, standards to protect the environment and human rights do not adequately safeguard all rights. Because of this, we have prohibited the use of conflict minerals such as tantalum, tin, tungsten, and gold that are mined illegally in conflict regions. To ensure that our suppliers are held to the highest standards, we conduct thorough reviews of the minerals used in their products in our supply chain management.

To establish a system for sourcing of conflict-free minerals, we use a due diligence process for conflict minerals that is in line with the OECD Due Diligence Guidance. Additionally, we demand that our suppliers work only with smelters that have received RMAP (Responsible Minerals Assurance Process) certifications, and we halt transactions that include any minerals provided by non RMAP-conformant smelters. By only using RMAP-certified smelters, we can ensure that the minerals we are sourcing have been mined ethically regardless of origin. However, we do not ban sourcing from any specific regions, including Africa, as this would undermine the progress that is being made to mine responsibly.

We also provide suppliers with clear guidelines and raise their awareness of conflict minerals through training and education support and conduct regular inspections on the use of conflict minerals throughout our supply chain by reviewing the information submitted by suppliers and by carrying out on-site inspections as needed for companies that require additional verification.

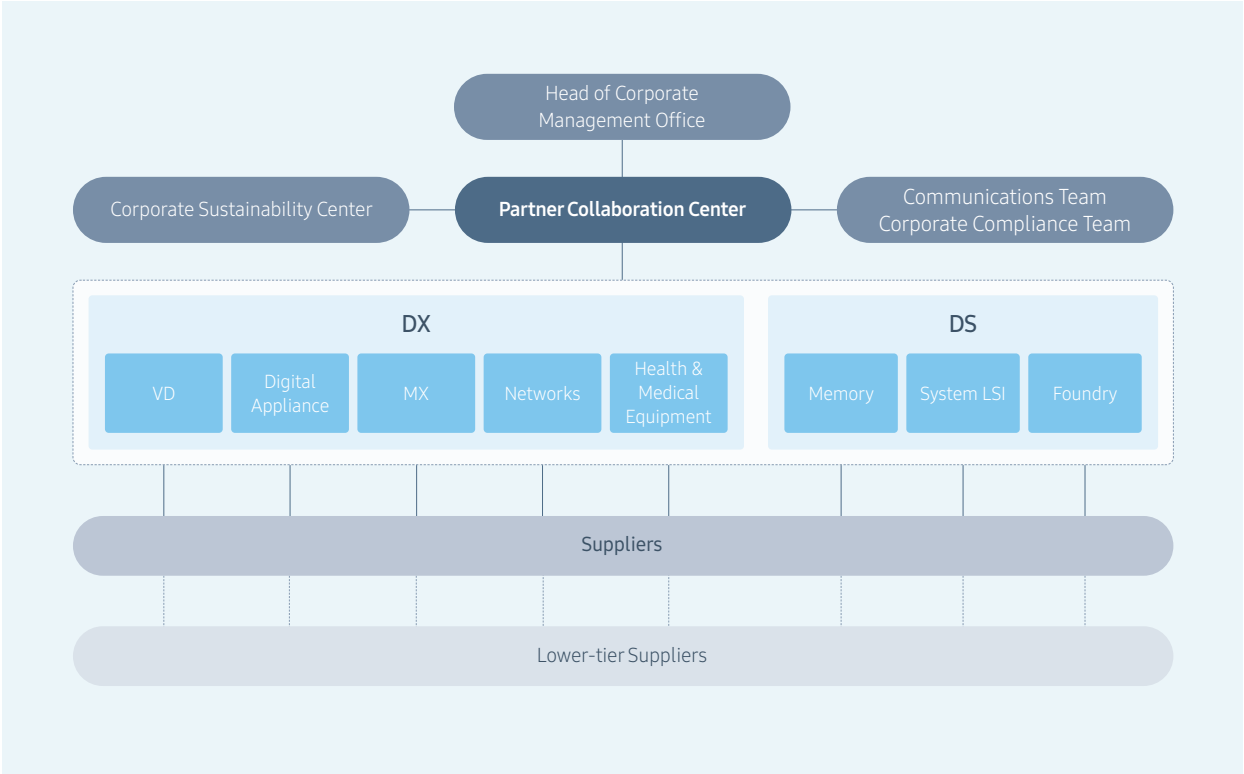
Other Minerals

In addition to our commitment to conflict-free minerals, we also manage the supply chain more extensively to monitor any mineral mining that has raised concerns regarding human rights violations or environmental destruction. In particular, we ensure that the issue of underage workers in cobalt mines in the Democratic Republic of the Congo is managed in accordance with the OECD Due Diligence Guidance. We are also mindful of other potential issues in mining and continually conduct diligent monitoring of these matters as well as collaborating with global organizations to consider additionally required responses.

We work to ensure that mining in our supply chain is not used for funding conflicts and is carried out in ways that respect human rights and the environment, while being mindful of social responsibilities.

Responsible Minerals Management Organization

Risks related to responsible minerals sourcing are managed by the Partner Collaboration Center under the direction of the Head of the Corporate Management Office. In addition, the responsible minerals personnel in each business division manages and monitors the conflict mineral risks in their respective division as well as those involving their suppliers. The Center also closely cooperates with relevant bodies within the company-wide risk management system, including the Corporate Sustainability Center, Corporate Compliance Team, and Communications Team.

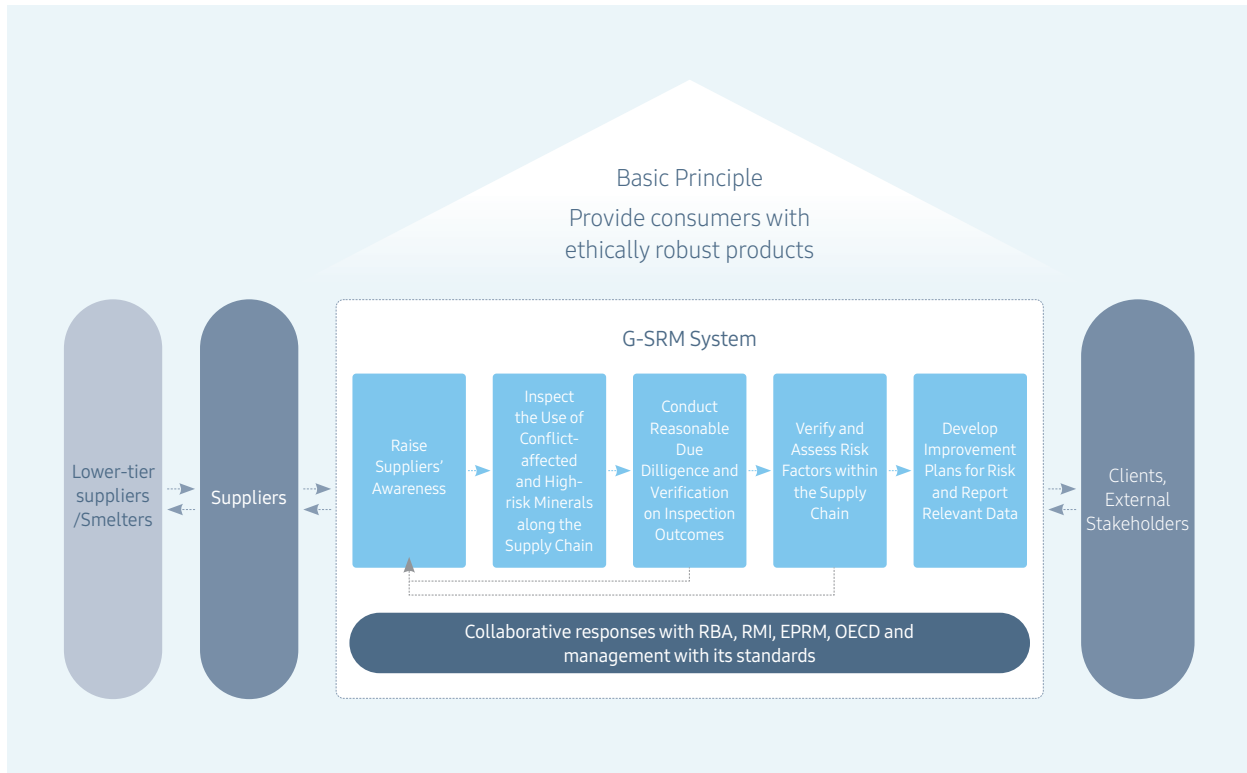


* DX : Device eXperience * DS : Device Solution * MX : Mobile eXperience

Responsible Minerals Management Process

Management System

We operate our minerals management process in accordance with the OECD Due Diligence Guidance. In addition, we proactively share our management status and findings with various stakeholders, including our customers. We also engage in global coalitions and partnerships to coordinate responses against conflict and other minerals and amplify the benefits of responsible sourcing around the world.



* G-SRM : Global Supplier Relationship Management System

Management Procedure

We ensure that the minerals used in our products have been mined ethically in accordance with the OECD Due Diligence Guidance and require that our suppliers adopt the Guidance as well.

Samsung Electronics' Responsible Minerals Management Process

| | | |
|---|--|---|
|  | Raise Suppliers' Awareness | <ul style="list-style-type: none">- Require that all first-tier suppliers to commit to banning the use of conflict-affected and high-risk minerals by submitting a written pledge- Distribute the conflict-affected and high-risk minerals management guide, and support working-level training- Require that lower-tier suppliers expand their policies to ban the use of conflict-affected and high-risk minerals and to source ethically and responsibly |
|  | Inspect the Use of Conflict-Affected and High-Risk Minerals in the Supply Chain | <ul style="list-style-type: none">- Monitor data on all first-tier suppliers' use of conflict-affected and high-risk minerals, as well as smelters' use of such minerals in the supply chain |
|  | Conduct Reasonable Due Diligence and Verify the Outcomes of Inspections | <ul style="list-style-type: none">- Conduct on-site inspections for verification of data submitted by suppliers |
|  | Verify and Assess Risk Factors Within the Supply Chain | <ul style="list-style-type: none">- Categorize suppliers into four rating groups based on inspection results |
|  | Develop Improvement Plans for Risks and Report Relevant Data | <ul style="list-style-type: none">- Restrict transactions with suppliers who work with any smelters not certified by third-party organizations- Recommend smelters in the supply chain to become third-party certified |

Samsung Electronics' Activities by Stage

Step 1: Raise Suppliers' Awareness

We require that all of our suppliers pledge in writing not to use minerals that contribute to human rights violations and environmental problems in conflict-affected and high-risk areas and monitor their practices through an integrated system.

※ Samsung Electronics' Global Supplier Relationship Management (G-SRM) System

Korean

English

Chinese

(click for URL)
G-SRM website

In line with our responsible mineral sourcing policy, we demand that our suppliers extend the ban on the use of minerals from conflict-affected and high-risk areas to their own suppliers.

※ Declaration of non-use (DNU) of conflict minerals for suppliers

Korean

English

Chinese

As part of our conflict-free minerals management, we provide both online and offline training for our employees who are responsible for global procurement. The online courses on conflict minerals are required programs for all procurement employees. In 2021, our training sessions went fully online due to the prolonged pandemic, and a total of 181 procurement employees completed the training program on conflict and responsible minerals policy and our management process.

We also focus on training and guidance for our suppliers. Our Conflict Minerals Management Guidance includes the conflict minerals policy we share with our suppliers. To further the awareness of our suppliers, as of 2021, we provided training sessions to a total of 370 employees of 349 suppliers. These sessions covered our conflict minerals policy, instructions on how to use the conflict minerals management system, and the process required to become an RMAP-certified smelter. In particular, we offered additional training programs for suppliers who were found to have vulnerabilities during our on-site assessments in order to assist them in closing the gaps.

※ Conflict minerals training completed (2017–2021) (persons)

| Year | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------|--------------|------------|------------|------------|------------|
| Total | 1,836 | 864 | 594 | 440 | 551 |
| Samsung Electronics | 717 | 652 | 212 | 127 | 181 |
| Suppliers | 1,119 | 212 | 382 | 313 | 370 |

Step 2: Inspect the Use of Conflict-Affected and High-Risk Minerals within the Supply Chain

Using the RMI's templates on conflict and responsible minerals, the Conflict Minerals Reporting Template (CMRT) and Extended Minerals Reporting Template (EMRT), we collected data from all suppliers that we conduct business with through our Global Supplier Relationship Management (G-SRM) system on conflict and responsible minerals as well as other information on smelters within the supply chain. In addition, we required our suppliers to extend the ban on conflict minerals to their own suppliers in accordance with our conflict minerals policy.

| * Status of smelters within the supply chain (2017-2021) | | | | | | (number of smelters) |
|--|------|------|------|------|------|----------------------|
| Year | 2017 | 2018 | 2019 | 2020 | 2021 | |
| Tantalum | 42 | 40 | 40 | 38 | 38 | |
| Tin | 71 | 73 | 76 | 53 | 55 | |
| Tungsten | 41 | 41 | 41 | 42 | 40 | |
| Gold | 101 | 104 | 104 | 107 | 107 | |
| Cobalt | - | - | 30 | 27 | 35 | |
| Mica | - | - | - | - | 10 | |
| Lithium | - | - | - | - | 16 | |

Step 3: Conduct Reasonable Due Diligence and Verify the Outcomes of Inspections

After an immediate internal review of the data submitted by suppliers, in 2021, we conducted on-site inspections on 493 global suppliers that required follow-up inspection to verify both the reliability of their data and the implementation of conflict-mineral-related policies.

Since 2020, we have moved on-site inspections online due to the COVID-19 pandemic, while also expanding the number of suppliers covered in the inspection to ensure that the inspection format change poses minimal risk to the reliability of the assessment results.

In 2021, online inspections were conducted on new suppliers, suppliers who answered insufficiently on the survey of the year, and low performers from the previous year.

※ No. of on-site supplier inspections (2017-2021) (number of on-site inspections)

| Year | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------|------|------|------|------|------|
| On-site inspection | 252 | 244 | 225 | 427 | 493 |

* In 2020 and 2021, inspections were conducted via "contact-free" review of evidential documents due to COVID-19.

※ No. of on-site inspections by region in 2021 (number of on-site inspections)

| Total | Korea | China | Japan | Southeast/ West Asia | North America | Latin America | Africa |
|-------|-------|-------|-------|-------------------------|------------------|------------------|--------|
| 493 | 89 | 111 | 6 | 161 | 56 | 67 | 3 |

According to the results, 88% of suppliers maintained good management controls over their operations and complied with 80% of the standards of the inspections. By attribute, 91% of suppliers inspected their own suppliers using RMI standards, and 93% reported the inspection results to Samsung Electronics without any data omissions. These results demonstrate the strong management of our suppliers on their sub-tier suppliers related to information on conflict minerals. However, some were found to have not properly conducted on-site inspections on their suppliers due to the prolonged pandemic, which is expected to improve in line with the COVID-19 situation.

In addition, we implemented follow-up improvement measures to assist suppliers that were found to have vulnerabilities in the inspections in closing their gaps. As a result, all suppliers eventually satisfied the criteria required for their management of conflict minerals. In addition, we will continue to monitor the progress of the suppliers who were initially rated "insufficient" in 2021 by including them in our on-site inspections again in 2022.

All information on our on-site inspections, including history and results, are systematically managed and recorded via G-SRM.

Step 4: Verify and Assess Risk Factors within the Supply Chain

We manage the responsible minerals information submitted by our suppliers through G-SRM – our integrated procurement system – and track information on conflict minerals in real-time by each material unit purchased.

If a supplier fails to submit the information for a specific material or includes a mineral supplied by any non-RMAP-certified smelter, we immediately block their access to the procurement system. We then send a notification email to the person of contact from Samsung Electronics and the supplier for the procurement of responsible minerals to ensure that they take action for improvement. Afterwards, we send out periodic notices and follow-up reminders to encourage prompt action.

In addition, we conduct on-site inspections on suppliers that have confirmed vulnerabilities in their management standards and process. We apply different follow-up measures based on the credibility of the submitted data and actual conditions on site. We instruct low-ranked suppliers to submit supporting documents and/or provide them with on-site guidance when necessary. Through such activities, we assist our suppliers in the review of their conflict minerals policies, organizational management, and conflict minerals information management systems. This helps them improve in their areas of vulnerability, which in turn enables them to enhance their management capabilities.

As a result, in 2021, all product categories mass produced by Samsung Electronics are in full compliance with our Conflict Minerals Management Guidance.

※ Responsible mineral compliance rate by product category

| | VD | Digital Appliance | MX | Networks | Medical Device | Memory Semi conductor | LSI System LSI | Foundry | LED |
|----------------------|---------------|---------------------------------|-----------------------|------------------------|---------------------|-----------------------|----------------|------------|------|
| Key product category | TVs, monitors | Refrigerators, laundry machines | Smart phones, tablets | Repeaters, modem chips | Ultra sound systems | DRAM, SSD | APs, CMOS | Mobile SoC | LED |
| Compliance rate | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

Step 5: Develop Improvement Plans for Risks and Report Relevant Data

We require all suppliers to pledge not to use conflict minerals. We continuously monitor in real time each material via the G-SRM system to block any materials from access to our supply chain if they use minerals from non-RMAP-certified sources.

We also periodically monitor the RMI website for any changes in the RMAP list of certified smelters and update the information in G-SRM. We immediately suspend the contracts of any materials associated with uncertified smelters and share the information with relevant suppliers and business divisions to incentivize and support the needed improvements. In 2021, 12 smelters were removed from the RMAP list, and we immediately shared the information with 609 relevant suppliers and ensured that they took follow-up measures related to the smelters.

※ Smelters removed from the RMAP-conformant list in 2021

| Mineral | Reference No. | Smelter Name |
|---------|---------------|--|
| Gold | CID000343 | Daye Non-Ferrous Metals Mining Ltd. |
| Gold | CID000711 | Heraeus Precious Metals GmbH & Co. KG |
| Gold | CID001029 | Kyrgyzaltyn JSC |
| Gold | CID001909 | Great Wall Precious Metals Co., Ltd. of CBPM |
| Gold | CID002816 | PT Sukses Inti Makmur |
| Gold | CID002850 | AU Traders and Refiners |
| Tin | CID001421 | PT Belitung Industri Sejahtera |
| Tin | CID001428 | PT Bukit Timah |
| Tin | CID001457 | PT Panca Mega Persada |
| Tin | CID002180 | Yunnan Tin Company Limited |
| Tin | CID002455 | CV Venus Inti Perkasa |
| Tin | CID002570 | CV Ayi Jaya |

We have established a range of voice of customer channels and provided 24/7 support to assist suppliers in resolving their feedback related to conflict minerals. In 2021, we received and handled 334 cases in total.

※ No. of VoC cases handled in 2021

(number of cases)

| | Total | Survey | Operating System | Smelter | Data transmission | Letter of consent | Other |
|-------------------|------------|------------|------------------|-----------|-------------------|-------------------|-----------|
| Total | 334 | 134 | 100 | 12 | 14 | 13 | 61 |
| Conflict minerals | 320 | 130 | 91 | 12 | 13 | 13 | 61 |
| Other minerals | 14 | 4 | 9 | - | 1 | - | - |

We verify the presence of any conflict minerals in our products and the origins of such minerals using the information on smelters submitted by our suppliers. If the country of origin is uncertain, or if the smelters have not been certified by the RMAP, we investigate whether conflict minerals have been used and request that such smelters obtain RMAP certification. Thanks to these efforts, in 2021, all suppliers sourced minerals from RMAP-certified smelters.

※ Conflict minerals-related RMAP certification of smelters in the supply chain (number of smelters as of 2021)

| | Total | Tantalum | Tin | Tungsten | Gold |
|-------------------------|-------|----------|------|----------|------|
| No. of smelters | 240 | 38 | 55 | 40 | 107 |
| RMAP certification rate | 100% | 100% | 100% | 100% | 100% |

※ Responsible minerals-related RMAP certification of smelters (number of smelters as of 2021)

| | Cobalt | Mica | Lithium |
|-----------------|--------|------|---------|
| No. of smelters | 35 | 10 | 16 |

We disclose all relevant information in a transparent manner every year through our website, Sustainability Management Report, and Responsible Minerals Report. In addition, we actively respond to direct requests from various global stakeholders for related information.

※ External inquiries handled on the responsible mineral sourcing of suppliers (2017-2021) (number of cases)

| Year | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------------|------|------|------|------|------|
| Customer | 91 | 85 | 190 | 242 | 332 |
| NGO/Rating agency, etc. | 10 | 9 | 17 | 11 | 14 |

Through prior consultation with our suppliers, we have received their consent to disclose their information on the use of conflict minerals to the public and provide that information to Samsung Electronics' stakeholders.

(단위: 건수)

Cooperative Activities with External Parties

To effectively operate responsible minerals sourcing policies and address related issues, we work with companies in the same tech industry and actively gather insights from relevant stakeholders. We also engage in a variety of initiatives, including social contribution activities and private-public partnership programs, in a bid to seek fundamental solutions for issues related to human rights and environmental degradation.

Responsible Minerals Initiative (RMI)

The RMI is a coalition of global companies dedicated to addressing issues related to the sourcing of minerals from conflict-affected and high-risk areas. As an RMI member, we strive to identify the origins of minerals that move through the global supply chain. To this end, we have developed the CMRT and EMRT – our templates on conflict and responsible minerals – to survey our suppliers and enhance the collection and disclosure of information on smelters in the supply system. Leveraging the RMAP, a validation program for responsible minerals sourcing, we encourage smelters that have been validated as conflict-free to undergo independent third-party certification.

Moreover, as an RMI Steering Committee Member, we are actively engaging in establishing the RMI industrial management standards for responsible materials and continuously improving the RMAP and other related programs of the RMI, while communicating with external stakeholders and experts to discuss their concerns or seek advice.



※ RMAP Assessment Introduction

The flagship program of the RMI, the Responsible Minerals Assurance Process (RMAP) takes a unique approach to helping companies make informed choices about responsibly sourced minerals in their supply chains. Focusing on a “pinch point” (a point with relatively few actors) in the global metals supply chain, the RMAP uses an independent third-party assessment of smelter/refiner management systems and sourcing practices to validate conformance with RMAP standards. The assessment employs a risk-based approach to validate smelters' company-level management processes for responsible mineral procurement.

The RMAP standards are developed to meet the requirements of the OECD Due Diligence Guidance, the Regulation (EU) 2017/821 of the European Parliament and the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act.

* Source: RMI Homepage(<http://www.responsiblemineralsinitiative.org/responsible-minerals-assurance-process/>)

European Partnership for Responsible Minerals (EPRM)

The EPRM is a multi-stakeholder partnership set up in May of 2016 that serves as a platform for cooperation between EU governments, companies, and civil society to enhance the transparency of supply chains dealing with conflict minerals and responsible minerals. We joined the EPRM in December 2018 as part of our commitment to complying with regulations on conflict and responsible minerals sourcing and fulfilling our social responsibility together with industry partners. With the support of governments and companies around the world, the EPRM advance a variety of initiatives including conducting fact-finding research and suggesting solutions to human rights issues in conflict-affected areas such as the Democratic Republic of the Congo.

The EPRM finances different projects in conflict-affected and high-risk areas (CAHRAs) under the aim of:

- Raising awareness about responsible production and regulations at mine sites;
- Improving their productivity and capacity for more responsible mining; and
- Enabling producers to access formal markets.



Encouraging Korean Urban Smelters to Participate in RMAP Certification

As part of our ongoing commitment to responsible minerals management, we have strengthened our waste management standards to ensure that waste generated at manufacturing sites in Korea is transferred only to RMAP-certified smelters. We are also encouraging RMAP participation from the mining industry in Korea, which includes smelters and refiners that recover metal substances from collected e-waste.

Industry Collaboration Project for Sustainable Cobalt Mining: Cobalt for Development

We undertook the Cobalt for Development project in collaboration with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Samsung SDI, BMW Group, and BASF, to contribute to resolving human rights abuses and environmental destruction incurred by cobalt mining in DR Congo.

This project was initiated to seek solutions for improving the work environments of small cobalt mines and the living conditions of local mining communities. In 2020, Volkswagen joined the project as a new partner.

As of December 2021, the project has supported 14 artisanal mining cooperative through safety training and protective gears.

The project also conducted agricultural and financial training for local residents and supported the foundation of 72 microbusinesses.

"Cobalt for Development" Project Started Trainings for Mining Cooperatives in Kolwezi, Democratic Republic of Congo

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Trainings for twelve artisanal mining cooperatives involve more than 1,000 miners

Community activities have already reached more than 1,800 people Volkswagen joined cross-industry initiative of BMW, BASF, Samsung SDI and Samsung Electronics

The cross-industry initiative "Cobalt for Development" has started trainings for twelve artisanal mining cooperatives in October in Kolwezi, Democratic Republic of Congo (DR Congo). The trainings cover major environmental, social and governance aspects for responsible mining practices. This includes mine site management and legal compliance, human rights, health and safety as well as environmental management. The initiative intends to train more than 1,000 artisanal cobalt miners by mid-2021. BMW, BASF, Samsung SDI and Samsung Electronics had initiated the project "Cobalt for Development" to better understand and address challenges for responsible artisanal mining in the region. Since January 2019, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is commissioned to implement the project together with non-governmental organizations. Volkswagen recently joined the initiative as a new partner. "For our e-mobility strategy, sustainable and responsible sourcing of raw materials is of utmost importance. In this regard, cobalt plays a vital role, despite a decreasing amount of the raw material in newer generations of batteries for electric vehicles. Through this initiative, we would like to add to our sustainable raw material strategy by delivering impact on the ground – in close cooperation with strong partners," said Ulrich Gieseler, Head of Procurement Strategy of Volkswagen Group.

In 2019, the project began testing how living and working conditions in Kolwezi's artisanal cobalt mines and in the surrounding communities can be improved. The project has developed interactive training methods and materials that can be adapted to any artisanal cobalt mining cooperative in DR Congo. "The training curricula offer practical risk mitigation guidelines for occupational and environmental risks. They are benchmarked with Congolese and international law and standards," explained Steven Schepers, project director "Cobalt for Development". The project implements the trainings in close collaboration with artisanal mining cooperatives and with SAGNAB, the government authority in charge of artisanal and small-scale mining. "This partnership with experienced artisanal mining actors is the essence of our approach," Steven Schepers emphasized. "We jointly implement our training methodologies and actively avoid duplicating existing services." On-site coaching will begin in the upcoming months to support technical improvements in the areas of occupational safety, environmental management and legal conformity at mine sites.

Creating additional income opportunities for families in artisanal mining areas will reduce the dependence on their children contributing to family income and enable them to attend school. Therefore "Cobalt for Development" has been carrying out impactful community activities in Kolwezi and neighboring villages with its partner firm Paxson/Good Shepherd International Foundation since September 2019. So far, more than 1,800 residents of these communities – children, their parents and other community members – have benefited from improved access to education and new income opportunities. A new seven-classroom building for Gicela's public elementary and secondary school was inaugurated on October 26. The former school building will be renovated and converted into a vocational training center. The members of two women associations already successfully completed a vocational training course in breadmaking, trainings in farming and financial literacy as well as the establishment of money saving group support further income-generating activities. Additional activities include training in positive parenting, women's rights and conflict resolution.

While the partners do not intend to operate artisanal mines, it is planned to test at a specific pilot site under what conditions responsible artisanal mining could be viable. The project has so far screened 38 artisanal mines to identify a suitable site that fulfills two minimum requirements: legally as well as accessible and sufficient cobalt deposits. One of these mining sites currently under evaluation is located near to Gicela. "Cobalt for Development" is engaging with private and public concession holders of cobalt mines to select a viable, legally operating pilot site. Learnings and insights gained from trainings and community engagement will contribute to a better understanding of responsible artisanal mining and how to improve the working and living conditions for miners and their communities. The project also contributes to the goals of global initiatives, such as the Global Battery Alliance, to foster sustainable supply chains.



Key Achievements in Responsible Minerals Sourcing in 2021

| Category | | Status | |
|-------------------------------|--------------------|---------------------|------------|
| Conflict minerals | CMRT survey | No. of smelters | 240 |
| | | Tantalum | 38 |
| | | Tin | 55 |
| | | Tungsten | 40 |
| | Gold | 107 | |
| | On-site inspection | | 493 |
| Responsible minerals | EMRT survey | No. of smelters | Cobalt 35 |
| | | | Mica 10 |
| | | | Lithium 16 |
| Training | | No. of trainees | 551 |
| | | Samsung Electronics | 181 |
| | | Suppliers | 370 |
| External requests (customers) | | No. of suppliers | 185 |
| | | No. of requests | 332 |
| | | No. of models | 406 |

※ 3TG mineral (Tantalum, Tin, Tungsten, Gold) sourcing countries (159 in total)

Andorra, Angola, Antigua and Barbuda, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Benin, Bolivia (Plurinational State of), Bosnia & Herzegovina, Botswana, Brazil, Bulgaria, Burkina Faso, Burundi, Cameroon, Canada, Cayman Islands, Chile, China, Colombia, Congo (Democratic Republic of the), Costa Rica, Croatia, Cuba, Curacao, Cyprus, Czechia, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Eritrea, Estonia, Ethiopia, Fiji, Finland, France, French Guiana, Gabon, Georgia, Germany, Ghana, Greece, Grenada, Guatemala, Guernsey, Guinea, Guyana, Haiti, Honduras, Hong Kong, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Ivory Coast, Japan, Jordan, Kazakhstan, Kenya, Kyrgyzstan, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Liberia, Libya, Liechtenstein, Lithuania, Luxembourg, Macau, Madagascar, Malaysia, Mali, Malta, Mauritania, Mexico, Monaco, Mongolia, Montenegro, Morocco, Mozambique, Myanmar, Namibia, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, Norway, Oman, Pakistan, Panama, Papua New Guinea, Peru, Philippines, Poland, Portugal, Puerto Rico, Qatar, Romania, Russian Federation, Rwanda, Saint Kitts and Nevis, San Marino, Saudi Arabia, Senegal, Serbia, Sierra Leone, Singapore, Sint Maarten, Slovakia, Slovenia, Solomon Islands, South Africa, Spain, Sri Lanka, St Lucia, St Vincent and Grenadines, Sudan, Suriname, Swaziland, Sweden, Switzerland, Taiwan, Tajikistan, Tanzania, Thailand, Togo, Trinidad and Tobago, Tunisia, Turkey, Turks and Caicos, Uganda, Ukraine, United Arab Emirates, United Kingdom of Great Britain and Northern Ireland, United States of America, Uruguay, Uzbekistan, Venezuela, Vietnam, Virgin Islands, Yemen, Zambia, Zimbabwe

Smelter and Refiner List in Samsung Electronics' supply chain(as of 2021)

3TG Smelter and Refiner List

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|----|-------|-----------|---|-------------|-------------|--|---|
| 1 | Gold | CID000015 | Advanced Chemical Company | USA | Conformant | LR, R/S | N/A |
| 2 | Gold | CID000019 | Aida Chemical Industries Co., Ltd. | Japan | Conformant | R/S | N/A |
| 3 | Gold | CID000035 | Allgemeine Gold-und Silberscheideanstalt A.G. | Germany | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 4 | Gold | CID000041 | Almalyk Mining and Metallurgical Complex (AMMC) | Uzbekistan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 5 | Gold | CID000058 | AngloGold Ashanti Corrego do Sitio Mineracao | Brazil | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 6 | Gold | CID000077 | Argor-Heraeus S.A. | Switzerland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 7 | Gold | CID000082 | Asahi Pretec Corp. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 8 | Gold | CID000090 | Asaka Riken Co., Ltd. | Japan | Conformant | R/S | N/A |
| 9 | Gold | CID000113 | Aurubis AG | Germany | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 10 | Gold | CID000128 | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | Philippines | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 11 | Gold | CID000157 | Boliden AB | Sweden | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 12 | Gold | CID000176 | C. Hafner GmbH + Co. KG | Germany | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 13 | Gold | CID000185 | CCR Refinery - Glencore Canada Corporation | Canada | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 14 | Gold | CID000189 | Cendres + Metaux S.A. | Switzerland | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 15 | Gold | CID000233 | Chimet S.p.A. | Italy | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 16 | Gold | CID000264 | Chugai Mining | Japan | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 17 | Gold | CID000359 | DSC (Do Sung Corporation) | Korea | Conformant | R/S | N/A |
| 18 | Gold | CID000362 | DODUCO Contacts and Refining GmbH | Germany | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 19 | Gold | CID000401 | Dowa | Japan | Conformant | LR, R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 20 | Gold | CID000425 | Eco-System Recycling Co., Ltd. East Plant | Japan | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 21 | Gold | CID000493 | JSC Novosibirsk Refinery | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 22 | Gold | CID000689 | LT Metal Ltd. | Korea | Conformant | LR, R/S | L1 |
| 23 | Gold | CID000694 | Heimerle + Meule GmbH | Germany | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|----|-------|-----------|---|-------------|-------------|--|--|
| 24 | Gold | CID000707 | Heraeus Metals Hong Kong Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 25 | Gold | CID000801 | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 26 | Gold | CID000807 | Ishifuku Metal Industry Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 27 | Gold | CID000814 | Istanbul Gold Refinery | Turkey | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 28 | Gold | CID000823 | Japan Mint | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 29 | Gold | CID000855 | Jiangxi Copper Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 30 | Gold | CID000920 | Asahi Refining USA Inc. | USA | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 31 | Gold | CID000924 | Asahi Refining Canada Ltd. | Canada | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 32 | Gold | CID000929 | JSC Uralelectromed | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 33 | Gold | CID000937 | JX Nippon Mining & Metals Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 34 | Gold | CID000957 | Kazzinc | Kazakhstan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 35 | Gold | CID000969 | Kennecott Utah Copper LLC | USA | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 36 | Gold | CID000981 | Kojima Chemicals Co., Ltd. | Japan | Conformant | LR, R/S | LR, HR, R/S; Additionally, see aggregated data below for LBMA Good Delivery Sourcing |
| 37 | Gold | CID001078 | LS-NIKKO Copper Inc. | Korea | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 38 | Gold | CID001113 | Materion | USA | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 39 | Gold | CID001119 | Matsuda Sangyo Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 40 | Gold | CID001147 | Metalor Technologies (Suzhou) Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 41 | Gold | CID001149 | Metalor Technologies (Hong Kong) Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 42 | Gold | CID001152 | Metalor Technologies (Singapore) Pte., Ltd. | Singapore | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 43 | Gold | CID001153 | Metalor Technologies S.A. | Switzerland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 44 | Gold | CID001157 | Metalor USA Refining Corporation | USA | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 45 | Gold | CID001161 | Metalurgica Met-Mex Penoles S.A. De C.V. | Mexico | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 46 | Gold | CID001188 | Mitsubishi Materials Corporation | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 47 | Gold | CID001193 | Mitsui Mining and Smelting Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|----|-------|-----------|---|--------------|-------------|--|---|
| 48 | Gold | CID001204 | Moscow Special Alloys Processing Plant | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 49 | Gold | CID001220 | Nadir Metal Rafineri San. Ve Tic. A.S. | Turkey | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 50 | Gold | CID001236 | Navoi Mining and Metallurgical Combinat | Uzbekistan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 51 | Gold | CID001259 | Nihon Material Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 52 | Gold | CID001325 | Ohura Precious Metal Industry Co., Ltd. | Japan | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 53 | Gold | CID001326 | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 54 | Gold | CID001352 | PAMP S.A. | Switzerland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 55 | Gold | CID001386 | Prioksky Plant of Non-Ferrous Metals | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 56 | Gold | CID001397 | PT Aneka Tambang (Persero) Tbk | Indonesia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 57 | Gold | CID001498 | PX Precinox S.A. | Switzerland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 58 | Gold | CID001512 | Rand Refinery (Pty) Ltd. | South Africa | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 59 | Gold | CID001534 | Royal Canadian Mint | Canada | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 60 | Gold | CID001555 | Samduck Precious Metals | Korea | Conformant | LR, R/S | N/A |
| 61 | Gold | CID001585 | SEMPA Joyeria Plateria S.A. | Spain | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 62 | Gold | CID001622 | Shandong Zhaojin Gold & Silver Refinery Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 63 | Gold | CID001736 | Sichuan Tianze Precious Metals Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 64 | Gold | CID001756 | SOE Shyolkovsky Factory of Secondary Precious Metals | Russia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 65 | Gold | CID001761 | Solar Applied Materials Technology Corp. | Taiwan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 66 | Gold | CID001798 | Sumitomo Metal Mining Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 67 | Gold | CID001875 | Tanaka Kikinzoku Kogyo K.K. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 68 | Gold | CID001916 | Shandong Gold Smelting Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 69 | Gold | CID001938 | Tokuriki Honten Co., Ltd. | Japan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 70 | Gold | CID001955 | Torecom | Korea | Conformant | R/S | N/A |
| 71 | Gold | CID001980 | Umicore S.A. Business Unit Precious Metals Refining | Belgium | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 72 | Gold | CID001993 | United Precious Metal Refining, Inc. | USA | Conformant | LR, R/S | N/A |
| 73 | Gold | CID002003 | Valcambi S.A. | Switzerland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 74 | Gold | CID002030 | Western Australian Mint (T/a The Perth Mint) | Australia | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 75 | Gold | CID002100 | Yamakin Co., Ltd. | Japan | Conformant | L1, R/S | L1, R/S |
| 76 | Gold | CID002129 | Yokohama Metal Co., Ltd. | Japan | Conformant | R/S | N/A |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|-----|-------|-----------|--|------------|-------------|--|--|
| 77 | Gold | CID002224 | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 78 | Gold | CID002243 | Gold Refinery of Zijin Mining Group Co., Ltd. | China | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 79 | Gold | CID002290 | SAFINA A.S. | Czechia | Conformant | R/S | LR, R/S |
| 80 | Gold | CID002314 | Umicore Precious Metals Thailand | Thailand | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 81 | Gold | CID002459 | Geib Refining Corporation | USA | Conformant | R/S | N/A |
| 82 | Gold | CID002509 | MMTC-PAMP India Pvt., Ltd. | India | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 83 | Gold | CID002511 | KGHM Polska Miedz Spolka Akcyjna | Poland | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 84 | Gold | CID002516 | Singway Technology Co., Ltd. | Taiwan | Conformant | L1, R/S | N/A |
| 85 | Gold | CID002560 | Al Etihad Gold Refinery DMCC | UAE | Conformant | HR, R/S | N/A |
| 86 | Gold | CID002561 | Emirates Gold DMCC | UAE | Conformant | LR, HR, CC, R/S | N/A |
| 87 | Gold | CID002580 | T.C.A S.p.A | Italy | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 88 | Gold | CID002582 | REMONDIS PMR B.V. | Netherland | Conformant | R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 89 | Gold | CID002605 | Korea Zinc Co., Ltd. | Korea | Conformant | LR, R/S | N/A |
| 90 | Gold | CID002606 | Marsam Metals | Brazil | Conformant | LR, R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 91 | Gold | CID002615 | TOO Tau-Ken-Altyn | Kazakhstan | Conformant | See aggregated data below for LBMA Good Delivery Sourcing | N/A |
| 92 | Gold | CID002761 | SAAMP | France | Conformant | See aggregated data below for RJC mined gold | N/A |
| 93 | Gold | CID002762 | L'Orfebre S.A. | Andorra | Conformant | HR, CC, R/S | See aggregated data below for LBMA Good Delivery Sourcing |
| 94 | Gold | CID002763 | 8853 S.p.A. | Italy | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 95 | Gold | CID002765 | Italpreziosi | Italy | Conformant | See aggregated data below for LBMA Good Delivery Sourcing and RJC Sourcing | N/A |
| 96 | Gold | CID002777 | SAXONIA Edelmetalle GmbH | Germany | Conformant | LR, R/S | LR, R/S |
| 97 | Gold | CID002778 | WIELAND Edelmetalle GmbH | Germany | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 98 | Gold | CID002779 | Ogussa Osterreichische Gold-und Silber-Scheideanstalt GmbH | Austria | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 99 | Gold | CID002863 | Bangalore Refinery | India | Conformant | LR, R/S | N/A |
| 100 | Gold | CID002918 | SungEel HiMetal Co., Ltd. | Korea | Conformant | R/S | N/A |
| 101 | Gold | CID002919 | Planta Recuperadora de Metales SpA | Chile | Conformant | LR | N/A |
| 102 | Gold | CID002973 | Safimet S.p.A | Italy | Conformant | See aggregated data below for RJC mined gold | N/A |
| 103 | Gold | CID003424 | Eco-System Recycling Co., Ltd. North Plant | Japan | Conformant | R/S | N/A |
| 104 | Gold | CID003425 | Eco-System Recycling Co., Ltd. West Plant | Japan | Conformant | R/S | N/A |
| 105 | Gold | CID000711 | Heraeus Germany GmbH Co. KG | Germany | Conformant | LR, R/S | LR, R/S; Additionally, see aggregated data below for LBMA Good Delivery Sourcing |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|-----|----------|-----------|---|--------------|-------------|--|-------------------------------------|
| 106 | Gold | CID003189 | NH Recytech Company | Korea | Conformant | LR, R/S | N/A |
| 107 | Gold | CID003575 | Metal Concentrators SA (Pty) Ltd. | South Africa | Conformant | See aggregated data below for RJC Sourcing | N/A |
| 108 | Tantalum | CID000092 | Asaka Riken Co., Ltd. | Japan | Conformant | R/S | N/A |
| 109 | Tantalum | CID000211 | Changsha South Tantalum Niobium Co., Ltd. | China | Conformant | L1, R/S | L1, L2, CC, R/S, HR |
| 110 | Tantalum | CID000291 | Guangdong Rising Rare Metals-EO Materials Ltd. | China | Conformant | L1 | N/A |
| 111 | Tantalum | CID000456 | Exotech Inc. | USA | Conformant | LR, R/S | LR, CC, DRC, HR, R/S |
| 112 | Tantalum | CID000460 | F&X Electro-Materials Ltd. | China | Conformant | LR, HR, DRC, CC | LR, CC, DRC, HR, R/S |
| 113 | Tantalum | CID000616 | XIMEI RESOURCES (GUANGDONG) LIMITED | China | Conformant | LR, HR, CC, DRC | N/A |
| 114 | Tantalum | CID000914 | JiuJiang JinXin Nonferrous Metals Co., Ltd. | China | Conformant | LR, HR, DRC, CC | L1 |
| 115 | Tantalum | CID000917 | Jiujiang Tanbre Co., Ltd. | China | Conformant | DRC, HR, R/S, LR | LR, HR, CC, R/S, DRC |
| 116 | Tantalum | CID001076 | LSM Brasil S.A. | Brazil | Conformant | LR | N/A |
| 117 | Tantalum | CID001163 | Metallurgical Products India Pvt., Ltd. | India | Conformant | LR, R/S | L1 |
| 118 | Tantalum | CID001175 | Mineracao Taboca S.A. | Brazil | Conformant | L1 | N/A |
| 119 | Tantalum | CID001192 | Mitsui Mining and Smelting Co., Ltd. | Japan | Conformant | LR, R/S | L1 |
| 120 | Tantalum | CID001200 | NPM Silmet AS | Estonia | Conformant | R/S, LR | LR, R/S |
| 121 | Tantalum | CID001277 | Ningxia Orient Tantalum Industry Co., Ltd. | China | Conformant | LR, HR, DRC, CC | DRC, CC, HR, LR, R/S |
| 122 | Tantalum | CID001508 | QuantumClean | USA | Conformant | R/S | N/A |
| 123 | Tantalum | CID001522 | Yanling Jincheng Tantalum & Niobium Co., Ltd. | China | Conformant | LR | L1, LR, HR, CC, DRC, R/S |
| 124 | Tantalum | CID001769 | Solikamsk Magnesium Works OAO | Russia | Conformant | L1 | N/A |
| 125 | Tantalum | CID001869 | Taki Chemical Co., Ltd. | Japan | Conformant | R/S | N/A |
| 126 | Tantalum | CID001891 | Telex Metals | USA | Conformant | LR, R/S | LR, HR, DRC, CC, R/S |
| 127 | Tantalum | CID001969 | Ulba Metallurgical Plant JSC | Kazakhstan | Conformant | LR, HR, CC, DRC, R/S | LR |
| 128 | Tantalum | CID002492 | Hengyang King Xing Lifeng New Materials Co., Ltd. | China | Conformant | LR, HR, CC, DRC | N/A |
| 129 | Tantalum | CID002504 | D Block Metals, LLC | USA | Conformant | LR, R/S | LR, CC, DRC, R/S, HR |
| 130 | Tantalum | CID002505 | FIR Metals & Resource Ltd. | China | Conformant | LR, R/S | L1, L2, CC, DRC, R/S |
| 131 | Tantalum | CID002506 | Jiujiang Zhongao Tantalum & Niobium Co., Ltd. | China | Conformant | LR | N/A |
| 132 | Tantalum | CID002508 | XinXing HaoRong Electronic Material Co., Ltd. | China | Conformant | LR | LR, HR, DRC, R/S, L1 |
| 133 | Tantalum | CID002512 | Jiangxi Dinghai Tantalum & Niobium Co., Ltd. | China | Conformant | LR | LR, HR, DRC, R/S |
| 134 | Tantalum | CID002539 | KEMET de Mexico | Mexico | Conformant | LR, R/S | LR, CC, DRC, HR, R/S |
| 135 | Tantalum | CID002544 | TANIOBIS Co., Ltd. | Thailand | Conformant | LR, CC, DRC, HR | LR, HR, CC, DRC, R/S |
| 136 | Tantalum | CID002545 | TANIOBIS GmbH | Germany | Conformant | LR, CC, DRC, HR, R/S | LR, CC, DRC, HR, R/S |
| 137 | Tantalum | CID002547 | H.C. Starck Hermsdorf GmbH | Germany | Conformant | LR, R/S | HR, DRC, CC, LR, R/S |
| 138 | Tantalum | CID002548 | H.C. Starck Inc. | USA | Conformant | LR, R/S | LR, HR, CC, DRC, R/S |
| 139 | Tantalum | CID002549 | TANIOBIS Japan Co., Ltd. | Japan | Conformant | LR, R/S | LR, CC, DRC, R/S |
| 140 | Tantalum | CID002550 | TANIOBIS Smelting GmbH & Co. KG | Germany | Conformant | LR, CC, DRC, HR, R/S | LR, CC, DRC, HR, R/S |
| 141 | Tantalum | CID002557 | Global Advanced Metals Boyertown | USA | Conformant | DRC, CC, HR, LR, R/S | LR, CC, DRC, HR, R/S |
| 142 | Tantalum | CID002558 | Global Advanced Metals Aizu | Japan | Conformant | R/S, LR | DRC, CC, HR, LR, R/S |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|-----|----------|-----------|---|-----------|-------------|----------------------|-------------------------------------|
| 143 | Tantalum | CID002707 | Resind Industria e Comercio Ltda. | Brazil | Conformant | LR | LR |
| 144 | Tantalum | CID002842 | Jiangxi Tuohong New Raw Material | China | Conformant | LR, HR | N/A |
| 145 | Tantalum | CID002847 | Meta Materials | Macedonia | Conformant | LR, R/S | LR, R/S |
| 146 | Tin | CID000228 | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. | China | Conformant | L1, R/S | L1 |
| 147 | Tin | CID000292 | Alpha | USA | Conformant | LR, R/S | LR, CC, DRC, HR, R/S |
| 148 | Tin | CID000402 | Dowa | Japan | Conformant | R/S | N/A |
| 149 | Tin | CID000438 | EM Vinto | Bolivia | Conformant | L1 | N/A |
| 150 | Tin | CID000468 | Fenix Metals | Poland | Conformant | LR, R/S | N/A |
| 151 | Tin | CID000538 | Gejiu Non-Ferrous Metal Processing Co., Ltd. | China | Conformant | L1 | N/A |
| 152 | Tin | CID000555 | Gejiu Zili Mining And Metallurgy Co., Ltd. | China | Conformant | L1 | N/A |
| 153 | Tin | CID000760 | Huichang Jinshunda Tin Co., Ltd. | China | Conformant | | |
| 154 | Tin | CID000942 | Gejiu Kai Meng Industry and Trade LLC | China | Conformant | LR | N/A |
| 155 | Tin | CID001070 | China Tin Group Co., Ltd. | China | Conformant | LR, R/S | N/A |
| 156 | Tin | CID001105 | Malaysia Smelting Corporation (MSC) | Malaysia | Conformant | L1, HR, CC, DRC, R/S | L1, R/S |
| 157 | Tin | CID001142 | Metallic Resources, Inc. | USA | Conformant | LR, R/S | LR, R/S |
| 158 | Tin | CID001173 | Mineracao Taboca S.A. | Brazil | Conformant | L1 | N/A |
| 159 | Tin | CID001182 | Minsur | Perú | Conformant | L1 | N/A |
| 160 | Tin | CID001191 | Mitsubishi Materials Corporation | Japan | Conformant | R/S | N/A |
| 161 | Tin | CID001231 | Jiangxi New Nanshan Technology Ltd. | China | Conformant | L1, R/S | N/A |
| 162 | Tin | CID001314 | O.M. Manufacturing (Thailand) Co., Ltd. | Thailand | Conformant | R/S | N/A |
| 163 | Tin | CID001337 | Operaciones Metalurgicas S.A. | Bolivia | Conformant | LR | N/A |
| 164 | Tin | CID001399 | PT Artha Cipta Langgeng | Indonesia | Conformant | LR | N/A |
| 165 | Tin | CID001402 | PT Babel Inti Perkasa | Indonesia | Conformant | L1 | N/A |
| 166 | Tin | CID001406 | PT Babel Surya Alam Lestari | Indonesia | Conformant | LR | N/A |
| 167 | Tin | CID001453 | PT Mitra Stania Prima | Indonesia | Conformant | LR | N/A |
| 168 | Tin | CID001458 | PT Prima Timah Utama | Indonesia | Conformant | LR | N/A |
| 169 | Tin | CID001460 | PT Refined Bangka Tin | Indonesia | Conformant | LR | L1 |
| 170 | Tin | CID001463 | PT Sariwiguna Binasentosa | Indonesia | Conformant | LR | N/A |
| 171 | Tin | CID001468 | PT Stanindo Inti Perkasa | Indonesia | Conformant | L1 | N/A |
| 172 | Tin | CID001477 | PT Timah Tbk Kundur | Indonesia | Conformant | LR | N/A |
| 173 | Tin | CID001482 | PT Timah Tbk Mentok | Indonesia | Conformant | LR | N/A |
| 174 | Tin | CID001539 | Rui Da Hung | Taiwan | Conformant | L1, R/S | L1 |
| 175 | Tin | CID001758 | Soft Metais Ltda. | Brazil | Conformant | LR, R/S | N/A |
| 176 | Tin | CID001898 | Thaisarco | Thailand | Conformant | LR, CC, HR, DRC, R/S | LR, CC, DRC, HR, R/S |
| 177 | Tin | CID001908 | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd. | China | Conformant | L1, R/S | L1, R/S |
| 178 | Tin | CID002036 | White Solder Metalurgia e Mineracao Ltda. | Brazil | Conformant | L1 | L1 |
| 179 | Tin | CID002158 | Yunnan Chengfeng Non-ferrous Metals Co., Ltd. | China | Conformant | L1 | N/A |
| 180 | Tin | CID002468 | Magnu's Mineraiis Metais e Ligas Ltda. | Brazil | Conformant | L1, R/S | N/A |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|-----|----------|-----------|--|-------------|-------------|---|--|
| 181 | Tin | CID002500 | Melt Metais e Ligas S.A. | Brazil | Conformant | L1 | N/A |
| 182 | Tin | CID002503 | PT ATD Makmur Mandiri Jaya | Indonesia | Conformant | LR | N/A |
| 183 | Tin | CID002517 | O.M. Manufacturing Philippines, Inc. | Philippines | Conformant | R/S | R/S |
| 184 | Tin | CID002593 | PT Rajehan Ariq | Indonesia | Conformant | LR | N/A |
| 185 | Tin | CID002706 | Resind Industria e Comercio Ltda. | Brazil | Conformant | LR | LR |
| 186 | Tin | CID002773 | Metallo Belgium N.V. | Belgium | Conformant | LR, R/S | LR, HR, CC, DRC, R/S |
| 187 | Tin | CID002774 | Metallo Spain S.L.U. | Spain | Conformant | LR, R/S | LR, R/S |
| 188 | Tin | CID002834 | Thai Nguyen Mining and Metallurgy Co., Ltd. | Viet Nam | Conformant | LR | N/A |
| 189 | Tin | CID002835 | PT Menara Cipta Mulia | Indonesia | Conformant | LR | N/A |
| 190 | Tin | CID002844 | HuiChang Hill Tin Industry Co., Ltd. | China | Conformant | L1 | N/A |
| 191 | Tin | CID003116 | Guangdong Hanhe Non-Ferrous Metal Co., Ltd. | China | Conformant | LR, R/S | N/A |
| 192 | Tin | CID003190 | Chifeng Dajingzi Tin Industry Co., Ltd. | China | Conformant | L1, R/S | N/A |
| 193 | Tin | CID003205 | PT Bangka Serumpun | Indonesia | Conformant | L1 | N/A |
| 194 | Tin | CID003325 | Tin Technology & Refining | USA | Conformant | LR, R/S | LR, CC, HR, DRC, R/S |
| 195 | Tin | CID003379 | Ma'anshan Weitai Tin Co., Ltd. | China | Conformant | R/S | N/A |
| 196 | Tin | CID003381 | PT Rajawali Rimba Perkasa | Indonesia | Conformant | LR | N/A |
| 197 | Tin | CID003387 | Luna Smelter, Ltd. | Rwanda | Conformant | HR, CC | N/A |
| 198 | Tin | CID003397 | Yunnan Yunfan Non-ferrous Metals Co., Ltd. | China | Conformant | LR, R/S | N/A |
| 199 | Tin | CID003582 | Fabrica Auricchio Industria e Comercio Ltda. | Brazil | Conformant | LR | N/A |
| 200 | Tin | CID001490 | PT Tinindo Inter Nusa | Indonesia | Conformant | L1 | N/A |
| 201 | Tungsten | CID000004 | A.L.M.T. Corp. | Japan | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | L1, CC, HR, R/S |
| 202 | Tungsten | CID000105 | Kennametal Huntsville | USA | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | L1 |
| 203 | Tungsten | CID000218 | Guangdong Xianglu Tungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | See aggregated data below for TI-CMC Sourcing |
| 204 | Tungsten | CID000258 | Chongyi Zhangyuan Tungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 205 | Tungsten | CID000568 | Global Tungsten & Powders Corp. | USA | Conformant | R/S, CC, HR and Mined (See aggregated data below for TI-CMC Sourcing) | LR, CC, HR, R/S |
| 206 | Tungsten | CID000766 | Hunan Chenzhou Mining Co., Ltd. | China | Conformant | LR | N/A |
| 207 | Tungsten | CID000769 | Hunan Chunchang Nonferrous Metals Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 208 | Tungsten | CID000825 | Japan New Metals Co., Ltd. | Japan | Conformant | R/S, LR | LR, HR, CC, R/S and Mined; See aggregated data below for TI-CMC Sourcing |
| 209 | Tungsten | CID000875 | Ganzhou Huaxing Tungsten Products Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 210 | Tungsten | CID000966 | Kennametal Fallon | USA | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | L1, CC, R/S |
| 211 | Tungsten | CID002044 | Wolfram Bergbau und Hutten AG | Austria | Conformant | R/S, LR, HR, CC and Mined (See aggregated data below for TI-CMC Sourcing) | (See aggregated data below for TI-CMC Sourcing) |
| 212 | Tungsten | CID002082 | Xiamen Tungsten Co., Ltd. | China | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | LR, R/S, DRC, CC, HR |

| No | Metal | ID | Smelter Name | Location | RMAP status | Direct Sourcing | Indirect Supplying Smelter Sourcing |
|-----|----------|-----------|---|-------------|-------------|---|-------------------------------------|
| 213 | Tungsten | CID002315 | Ganzhou Jiangwu Ferrotungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing, R/S | N/A |
| 214 | Tungsten | CID002316 | Jiangxi Yaosheng Tungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 215 | Tungsten | CID002317 | Jiangxi Xinsheng Tungsten Industry Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 216 | Tungsten | CID002318 | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 217 | Tungsten | CID002319 | Malipo Haiyu Tungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 218 | Tungsten | CID002320 | Xiamen Tungsten (H.C.) Co., Ltd. | China | Conformant | R/S, HR, DRC, CC, and Mined (See aggregated data below for TI-CMC Sourcing) | LR, R/S, HR, CC |
| 219 | Tungsten | CID002321 | Jiangxi Gan Bei Tungsten Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 220 | Tungsten | CID002494 | Ganzhou Seadragon W & Mo Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 221 | Tungsten | CID002502 | Asia Tungsten Products Vietnam Ltd. | Vietnam | Conformant | L1, HR, CC, DRC | N/A |
| 222 | Tungsten | CID002513 | Chenzhou Diamond Tungsten Products Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 223 | Tungsten | CID002541 | H.C. Starck Tungsten GmbH | Germany | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | N/A |
| 224 | Tungsten | CID002542 | H.C. Starck Smelting GmbH & Co. KG | Germany | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | LR, HR, DRC, CC |
| 225 | Tungsten | CID002543 | Masan High-Tech Materials | Vietnam | Conformant | HR, CC, R/S | N/A |
| 226 | Tungsten | CID002551 | Jiangwu H.C. Starck Tungsten Products Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 227 | Tungsten | CID002579 | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji | China | Conformant | | |
| 228 | Tungsten | CID002589 | Niagara Refining LLC | USA | Conformant | R/S, HR, CC, LR (See aggregated data below for TI-CMC Sourcing) | R/S |
| 229 | Tungsten | CID002645 | Ganzhou Haichuang Tungsten Co., Ltd. | China | Conformant | LR | LR, R/S |
| 230 | Tungsten | CID002649 | Hydrometallurg, JSC | Russia | Conformant | R/S and Mined (See aggregated data below for TI-CMC Sourcing) | L1, R/S |
| 231 | Tungsten | CID002724 | Unecha Refractory metals plant | Russia | Conformant | L1, R/S | N/A |
| 232 | Tungsten | CID002827 | Philippine Chuangxin Industrial Co., Inc. | Philippines | Conformant | R/S | N/A |
| 233 | Tungsten | CID002830 | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd. | China | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 234 | Tungsten | CID002833 | ACL Metais Eireli | Brazil | Conformant | L1 | N/A |
| 235 | Tungsten | CID002843 | Woltech Korea Co., Ltd. | Korea | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 236 | Tungsten | CID002845 | Moliren Ltd. | Russia | Conformant | See aggregated data below for TI-CMC Sourcing | N/A |
| 237 | Tungsten | CID003388 | KGETS CO., LTD. | Korea | Conformant | R/S | N/A |
| 238 | Tungsten | CID003401 | Fujian Ganmin RareMetal Co., Ltd. | China | Conformant | LR | N/A |
| 239 | Tungsten | CID003407 | Lianyou Metals Co., Ltd. | Taiwan | Conformant | R/S | N/A |
| 240 | Tungsten | CID002641 | China Molybdenum Tungsten Co., Ltd. | China | Conformant | LR | N/A |

※ Source : <http://www.responsiblemineralsinitiative.org/rcoi-data/>

* Data Key

| | |
|----------------------|--|
| L1 | Level 1 countries are not identified as conflict regions or plausible areas of smuggling or export from the DRC and its nine adjoining countries. |
| L2 | Level 2 countries are known or plausible countries for smuggling, export out of region or transit of materials containing tantalum, tin, tungsten or gold. |
| CC | Covered countries are the 9 countries adjoining the Democratic Republic of Congo. |
| DRC | The Democratic Republic of Congo |
| Low Risk (LR) | Countries identified by smelters and refiners as low-risk. Those marked with an ** have been disclosed by some smelters to be low-risk but disclosed by other smelters to be high-risk. |
| High Risk (HR) | Countries identified by smelters and refiners as Conflict-Affected and High-Risk (HR). Those marked with an ** have been disclosed by some smelters to be low-risk but disclosed by other smelters to be high-risk. |
| Recycled Scrap (R/S) | Secondary sources of material (non-mined) Gold only: Those followed by (HR) have been disclosed by refiners to be high-risk. Those followed with an ** have been disclosed by some refiners to be low-risk but disclosed by other refiners to be high-risk. |

Known Countries from which Conformant Gold Refiners Source

| | |
|----------------------|--|
| L1 | Brazil, GhanaBrazil, GhanaBrazil, Ghana |
| L2 | South Africa |
| CC | RwandaRwanda, Tanzania, Uganda |
| DRC | |
| Low Risk (LR) | Argentina, Brazil, Canada, Ghana**, Guinea**, Guyana**, Japan, Mexico**, Peru**, Russian, Federation, United States of America, Sweden, South Africa**, Cuba |
| High Risk (HR) | Benin, Bolivia (Plurinational State of), Brazil**, Colombia, Ecuador, Eritrea, Ghana**, Guinea**, Guyana**, Mexico**, Mozambique, Niger, Peru**, Rwanda, Sierra Leone, South Africa, Swaziland, Tanzania, Uganda |
| Recycled Scrap (R/S) | Andorra, Antigua and Barbuda, Argentina, Australia, Austria, Bahamas, Barbados, Belgium, Benin (HR), Brazil**, Canada, Cayman Islands, Chile**, China, Colombia (HR), Curacao, Cyprus, Czechia, Denmark, Dominica, Dominican Republic**, El Salvador (HR), Estonia, Finland, France, Germany, Greece, Grenada, Guatemala (HR), Honduras (HR), Hong Kong**, Hungary, India**, Indonesia**, Ireland, Israel**, Italy, Japan, Jordan (HR), Latvia, Lithuania, Luxembourg, Malaysia, Malta, Mexico (HR), Monaco, Netherlands, Norway, Panama**, Peru, Philippines**, Poland, Portugal, Puerto Rico, Romania, Russian Federation, Saint Kitts and Nevis, Saudi Arabia (HR), Singapore**, Sint Maarten, Slovakia, South Africa**, South Korea, Spain, St Vincent and the Grenadines, Sweden, Switzerland**, Taiwan, Thailand, Trinidad and Tobago, Turkey**, Turks and Caicos, United Arab Emirates**, United Kingdom**, United States of America**, Uzbekistan (HR), Venezuela, Vietnam |

Known Countries from which LBMA Good Delivery List Refiners Source - Mined Material (Provided by LBMA)

| | |
|---------|---|
| All COI | Argentina, Armenia, Australia, Azerbaijan, Bolivia (Plurinational State of), Botswana, Brazil, Bulgaria, Burkina Faso, Canada, Chile, China, Colombia, Costa Rica, Cuba, Cyprus, Dominican Republic, Ecuador, Ethiopia, Fiji, Finland, French Guiana, Georgia, Germany, Ghana, Guatemala, Guinea, Guyana, Honduras, India, Indonesia, Ivory Coast, Japan, Kazakhstan, Kenya, Kyrgyzstan, Laos, Liberia, Malaysia, Mali, Mauritania, Mexico, Mongolia, Montenegro, Morocco, New Zealand, Nicaragua, Oman, Papua New Guinea, Peru, Philippines, Russian Federation, Saudi Arabia, Senegal, Serbia, Singapore, Slovakia, Solomon Islands, South Africa, South Korea, Spain, Sudan, Suriname, Sweden, Tajikistan, Turkey, Uruguay, Uzbekistan, Zimbabwe |
| CC | Tanzania, Zambia |
| DRC | |

* Notes

* Dates marked with an asterisk represent smelters that are currently enrolled in the risk-based audit program and have not undergone an on-site audit for this compliance period. While these smelters have sent in their Line Item Summary and Declaration of Sourcing to show their full sourcing information, the information provided has not been validated by a third party auditor.

Known Countries from which LBMA Good Delivery List Refiners Source - Recycled Material (Provided by LBMA)

| | |
|---------|---|
| ALL COI | Argentina, Armenia, Australia, Austria, Bahrain, Belarus, Belgium, Bolivia, Bosnia & Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Canada, Cayman Islands, Chile, China, Colombia, Curacao, Czechia, Denmark, Dominican Republic, Ecuador, Egypt, Estonia, Finland, France, Gabon, Georgia, Germany, Ghana, Greece, Haiti, Honduras, Hong Kong, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Ivory Coast, Japan, Jordan, Kazakhstan, Kenya, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Macau, Malaysia, Malta, Mexico, Monaco, Morocco, Netherlands, New Zealand, Norway, Pakistan, Panama, Papua New Guinea, Peru, Philippines, Poland, Portugal, Puerto Rico, Romania, Russian Federation, San Marino, Saudi Arabia, Senegal, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, St Lucia, Swaziland, Sweden, Switzerland, Taiwan, Tajikistan, Thailand, Togo, Tunisia, Turkey, United Arab Emirates, Ukraine, United Kingdom of Great Britain and Northern Ireland, Uruguay, United States of America, Uzbekistan, Venezuela, Vietnam, Zimbabwe |
| CC | Tanzania |
| DRC | |

Known Countries from which RJC Refiners Source - Mined Material (Provided by RJC)

| | |
|---------|--|
| ALL COI | Argentina, Armenia, Azerbaijan, Botswana, Brazil, Burkina Faso, Canada, Chile, Colombia, Costa Rica, Cote d'Ivoire, Cyprus, Dominican Republic, Ecuador, Finland, French Guiana, Georgia, Ghana, Honduras, Indonesia, Malaysia, Mali, Mexico, Mongolia, Morocco, Nicaragua, Oman, Peru, Philippines, Saudi Arabia, Senegal, Suriname, Sweden, Tajikistan, United States of America |
| CC | Tanzania, Zambia |
| DRC | |

Known Countries from which Conformant Tantalum Smelters Source

Please refer to the Data Key above for descriptions of each RCOI designation.

| | |
|----------------------|---|
| L1 | Brazil, China, Colombia, Ethiopia, France, Malaysia, Nigeria, Russian Federation, Sierra Leone, Spain, Thailand |
| L2 | Mozambique |
| CC | Burundi, Rwanda, Uganda |
| DRC | Congo, Democratic Republic of the |
| Low Risk (LR) | Australia, Bolivia, Brazil**, China, Ethiopia**, Germany, India**, Madagascar, Malaysia, Mozambique, Namibia, Nigeria**, Russian Federation, Sierra Leone**, Spain, Thailand, Zimbabwe, United States of America |
| High Risk (HR) | Brazil**, Burundi, Congo, Democratic Republic of the, Ethiopia**, India**, Myanmar, Nigeria**, Rwanda, Sierra Leone**, Uganda |
| Recycled Scrap (R/S) | Austria, Belarus, Canada, China, Czechia, Estonia, France, Germany, Hong Kong, India, Indonesia, Ireland, Israel, Japan, Kazakhstan, Mexico, Malaysia, Netherlands, South Korea, Spain, Switzerland, Taiwan, Thailand, United Kingdom of Great Britain and Northern Ireland, United States of America |

Known Countries from which Conformant Tin Smelters Source

Please refer to the Data Key above for descriptions of each RCOI designation.

| | |
|----------------------|---|
| L1 | Australia, Bolivia (Plurinational State of), Brazil, China, Colombia, Indonesia, Malaysia, Myanmar, Peru, Russian Federation, Taiwan, United Kingdom of Great Britain and Northern Ireland, Venezuela |
| L2 | |
| CC | Burundi, Rwanda, Uganda |
| DRC | Congo, Democratic Republic of the |
| Low Risk (LR) | Australia, Belgium, Brazil**, China**, Germany, Indonesia, Laos, Malaysia, Mongolia, Peru, Portugal, Russia**, South Korea, Spain, Thailand, USA, Vietnam |
| High Risk (HR) | Brazil**, Burundi, China**, Congo, Democratic Republic of the, Indonesia, Myanmar, Nigeria, Russia**, Rwanda, Thailand, Uganda |
| Recycled Scrap (R/S) | Angola, Argentina, Australia, Austria, Bangladesh, Belarus, Belgium, Benin, Bolivia, Brazil, Bulgaria, Canada, Chile, China, Croatia, Czechia, Congo, Democratic Republic of the, Cyprus, Denmark, Egypt, El Salvador, Estonia, Finland, France, Gabon, Germany, Ghana, Greece, Guernsey, Guinea, Hong Kong, Hungary, India, Indonesia, Ireland, Israel, Italy, Japan, Jordan, Kazakhstan, Latvia, Lebanon, Libya, Lithuania, Luxembourg, Malaysia, Malta, Mexico, Morocco, Netherlands, New Zealand, Nigeria, Norway, Pakistan, Peru, Poland, Portugal, Philippines, Puerto Rico, Qatar, Romania, Russia, Saudi Arabia, Serbia, Senegal, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sudan, Sweden, Switzerland, Taiwan, Tanzania, Thailand, Togo, Tunisia, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States of America, Uruguay, Virgin Islands, Yemen |

Known Countries from which Conformant Tungsten Industry-Conflict Minerals Council (TI-CMC) Smelters Source - Mined Material (Provided by TI-CMC)

Please refer to the Data Key above for descriptions of each RCOI designation.

| | |
|---------|--|
| All COI | Australia, Austria, Bolivia, Brazil, China, Kazakhstan, Krygyzstan, Malaysia, Mexico, Mongolia, Myanmar, Nigeria, Peru, Portugal, Russian Federation, Spain, Thailand, United Kingdom of Great Britain and Northern Ireland, United States of America, Uzbekistan, Vietnam, Zimbabwe |
| CC | Burundi, Rwanda, Uganda |
| DRC | Congo, Democratic Republic of the |

Known Countries from which Conformant Tungsten Smelters Source

Please refer to the Data Key above for descriptions of each RCOI designation.

| | |
|----------------------|--|
| L1 | Bolivia, Brazil, China, Colombia, Mongolia, Myanmar, Portugal, Russian Federation, United States of America, Uzbekistan |
| L2 | |
| CC | Burundi, Rwanda, Uganda |
| DRC | Congo, Democratic Republic of the |
| Low Risk (LR) | Austria, China, Mongolia, Philippines, Portugal, Russian Federation, Thailand |
| High Risk (HR) | Brazil**, Burundi, Congo, Democratic Republic of the, Rwanda, Uganda |
| Recycled Scrap (R/S) | Austria, Belgium, Brazil, Canada, China, Czechia, France, Germany, Hong Kong, Ireland, Israel, Japan, Latvia, Russia, Singapore, South Korea, Spain, Taiwan, Thailand, United Arab Emirates, United States of America, Vietnam |

Cobalt Smelter List

| No | ID | Smelter Name | Location |
|----|-----------|---|-----------------------------------|
| 1 | CID003209 | Gem (Jiangsu) Cobalt Industry Co., Ltd. | China |
| 2 | CID003210 | Lanzhou Jinchuan Advanced Materials Technology Co., Ltd. | China |
| 3 | CID003212 | Ganzhou Tengyuan Cobalt New Material Co., Ltd. | China |
| 4 | CID003215 | Tianjin Maolian Science & Technology Co., Ltd. | China |
| 5 | CID003219 | Hunan Brunp Recycling Technology Co., Ltd. | China |
| 6 | CID003221 | Nantong Xinwei Nickel Cobalt Technology Development Co., Ltd. | China |
| 7 | CID003225 | Zhejiang Huayou Cobalt Company Limited | China |
| 8 | CID003226 | Umicore Finland Oy | Finland |
| 9 | CID003227 | Gangzhou Yi Hao Umicore Industry Co. | China |
| 10 | CID003228 | Umicore Olen | Belgium |
| 11 | CID003255 | Quzhou Huayou Cobalt New Material Co., Ltd. | China |
| 12 | CID003261 | Kamoto Copper Company | Congo, Democratic Republic of the |
| 13 | CID003264 | Chemaf Etoile | Congo, Democratic Republic of the |
| 14 | CID003278 | Sumitomo Metal Mining | Japan |
| 15 | CID003279 | Mine de Bou-Azzer | Morocco |
| 16 | CID003280 | Compagnie de Tifnout Tiranimine | Morocco |
| 17 | CID003291 | Guangdong Jiana Energy Technology Co., Ltd. | China |
| 18 | CID003293 | Jiangsu Xiongfeng Technology Co., Ltd. | China |
| 19 | CID003338 | SungEel HiTech Co.,Ltd. | Korea |
| 20 | CID003376 | XTC New Energy Materials (Xiamen) LTD. | China |
| 21 | CID003377 | Jiangxi Jiangwu Cobalt industrial Co., Ltd. | China |
| 22 | CID003378 | Jingmen GEM Co., Ltd. | China |
| 23 | CID003384 | Ganzhou Highpower Technology Co., Ltd. | China |
| 24 | CID003390 | NORILSK NICKEL HARJAVALTA OY | Finland |
| 25 | CID003398 | New Era Group Zhejiang Zhongneng Cycle Technology Co., Ltd. | China |
| 26 | CID003404 | Hunan Yacheng New Materials Co., Ltd. | China |
| 27 | CID003406 | Murrin Murrin Nickel Cobalt Plant | Australia |
| 28 | CID003411 | Hunan Zoomwe New Energy Science & Technology Co., Ltd. | China |
| 29 | CID003415 | Cosmo EcoChem Co., Ltd. | Korea |
| 30 | CID003423 | Chemaf Usoke | Congo, Democratic Republic of the |
| 31 | CID003465 | Ningbo Hubang New Material Co., Ltd. | China |
| 32 | CID003467 | Hunan Shiji Yintian New Material Co., Ltd. | China |
| 33 | CID003470 | Hunan Jinxin New Material Holding Co., Ltd. | China |
| 34 | CID003473 | CoreMax Corporation | Taiwan |
| 35 | CID003526 | Zhejiang Zhongjin Greatpower Lithium-Battery Industrial Corporation Co., Ltd. | China |

Mica Operator List

| No | ID | Operator Name | Location |
|----|-----------|---|------------|
| 1 | CID003512 | Yamaguchi Mica | Japan |
| 2 | CID003514 | The JAI Mica Supply Company Limited | India |
| 3 | CID003595 | Shijiazhuang Shuozhan Mineral Products Co. LTD. | China |
| 4 | CID003596 | NBC (ASIA) CO.,LTD. | Thailand |
| 5 | CID003625 | SIDDHI EXIMP ENTERPRISES | India |
| 6 | CID003652 | Ruby Mica | India |
| 7 | CID003664 | JSC "Sludyanaya Fabrika" | Russia |
| 8 | CID003730 | Lingshou Huajing Mica Co., Ltd. | China |
| 9 | CID003734 | Tri-H | Madagascar |
| 10 | CID003779 | UENO FINE CHEMICALS INDUSTRY, LTD. | Japan |

Lithium Smelter List

| No | ID | Smelter Name | Location |
|----|-----------|--|-----------|
| 1 | CID003670 | Fujhara Refinery | UAE |
| 2 | CID003712 | Guizhou Red Star Electronic Material Co., Ltd. | China |
| 3 | CID003714 | Jiangxi Ganfeng Lithium Co., Ltd. | China |
| 4 | CID003715 | Ningdu Ganfeng Lithium Co., Ltd. | China |
| 5 | CID003717 | Sichuan Zhiyuan Lithium Industries Co., Ltd. | China |
| 6 | CID003720 | Tianqi Lithium (Shehong) Co., Ltd. | China |
| 7 | CID003745 | POSCO | Korea |
| 8 | CID003758 | Wodgina Lithium | Australia |
| 9 | CID003759 | Kemerton | Australia |
| 10 | CID003760 | Kwinina | Australia |
| 11 | CID003821 | Olaroz Lithium Facility | Australia |
| 12 | CID003824 | Albermarle U.S. Inc (King's Mountain) | USA |
| 13 | CID003826 | FMC | Unknown |
| 14 | CID003889 | Sumiko Kunitomi Electronics Co., Ltd. | Japan |
| 15 | CID003896 | Niihama Electronics Co., Ltd. | Japan |
| 16 | CID003954 | Sociedad Quimica y Minera/SQM Lithium (Salar Del Carmen Plant) | Canada |

SAMSUNG