

Conflict Minerals Report 2021

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TPV | **冠捷科技**
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Conflict Minerals Definition

Conflict minerals: In Congo-Kinshasa and the surrounding countries, the mining of tin, tantalum, tungsten and gold (known as “3TG” conflict minerals), cobalt and other rare earth elements have caused serious human rights and environmental issues. Most of the mining activities in these areas associated with armed groups of conflict (funding), lead to long-term instability in the region.

Various parties, including the United States Congress, have concerns that the exploitation and trade of conflict minerals by armed groups is helping to finance conflict in the Democratic Republic of Congo (“DRC”) region and is contributing to an emergency humanitarian crisis.

Conflict Minerals Management Policy

To support the global prohibition of conflict minerals, TPV has developed an internal conflict minerals management system to ensure TPV and its suppliers avoid the procurement of conflict minerals. TPV itself and suppliers neither directly nor indirectly finance armed groups in conflict-affected regions. TPV itself and suppliers neither tolerate nor contribute to human rights abuses that include forced labor, child labor and environmental degradation.

TPV Due Diligence Program

Based on the second edition of the *Organization for Economic Co-operation and Development Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas* (including its supplements on 3TG, Cobalt, Mica and other rare earth elements, referred to in this report as “OECD Guidance”), TPV supports an industry initiative that uses an independent third-party audit to identify smelters and refiners that have systems in place to assure sourcing of only conflict-free materials. That industry initiative is called RMI (Responsible Mineral Initiative) and is also known as CFSI (*Conflict-Free Sourcing Initiative*). TPV Technology Ltd as a mother company of AOC International Europe B.V. and MMD Monitors & Display Nederland B.V. has been RMI member since 2015.

<http://www.responsiblemineralsinitiative.org/about/members-and-collaborations/>

TPV distinguish the following five-step OECD-framework for due diligence in the mineral supply chain:

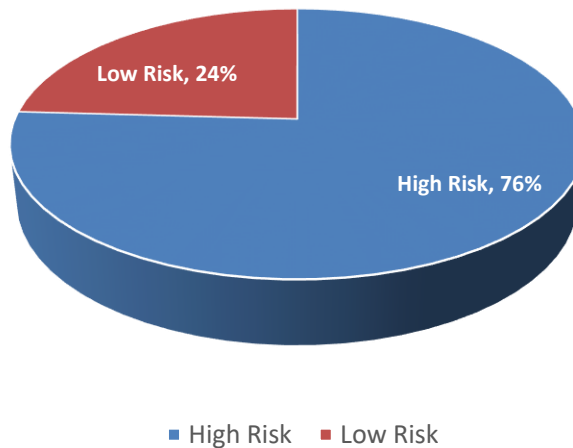
Step 1: Establish strong company management system

- 1) TPV published this conflict minerals report, which has conflict mineral management requirements for suppliers, on www.tpv-tech.com. We also have an internal management procedure called 'Procedures of Conflict Mineral Management / SOP'.
- 2) TPV is committed not to purchase raw materials, subassemblies, or supplies which we know contain conflict minerals that directly or indirectly finance or benefit armed groups in the DRC or an adjoining country.
- 3) TPV requires the suppliers to complete the Conflict Minerals Reporting Template (CMRT) and Extended Mineral Reporting Template (EMRT) on a yearly basis.
- 4) TPV requires the high/low risk suppliers to sign the guarantee letter of not using conflict minerals;

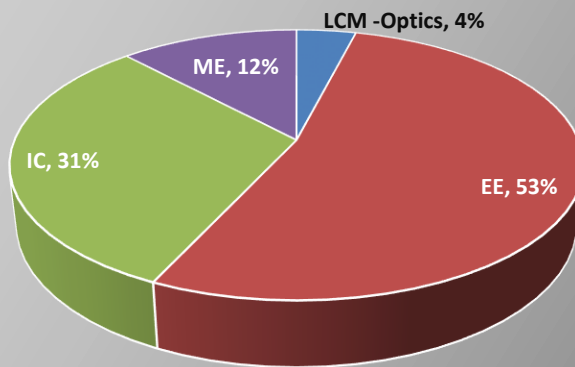
Step 2: Identify and assess risks in the supply chain

- 1) We established a risk review method (Conflict mineral risk assessment form) to identify risks in the supply chain. We identify the metal parts as high risk if they have either of Tin, Tantalum, Tungsten, Gold, Cobalt and Mica. We identify the metal parts as low risk if they have no of Tin, Tantalum, Tungsten, Gold, Cobalt and Mica. We identify the metal parts as no Risk if they don't have metal parts.
- 2) According to the above risk identification, TPV addresses high and low risk suppliers for due diligence investigation, and requires high and low risk suppliers to sign the guarantee letter that they do not directly or indirectly finance armed groups in the DRC or an adjoining country, neither tolerate nor contribute to human rights abuses that include forced labor, child labor and environmental degradation.

2021 TPV High/Low Risk Ratio



High Risk Category



EE: Electrical parts
IC: Integrated Circuits
Liquid Crystal Module (LCM)-Optics: Optic parts in panel
ME: Mechanical parts

■ LCM -Optics ■ EE ■ IC ■ ME

- TPV evaluates the smelters identified in the supplier CMRTs and CRTs (after 2021, CRT change to EMRTs to include Mica) based on the information available and we use the RMAP (Responsible Mineral Assurance Process) compliant smelter list. TPV relies on industry programs like the RMAP to carry out smelter assessments, and we also rely on the RMAP eligible smelter list to determine whether smelters performed due diligence.

Step 3. Design and implement a strategy to respond to identified risks

- TPV identifies non RMAP compliant smelters as high risks. For non-conformities that have been identified, we have an obligation to promote suppliers' understanding of using conflict-free minerals is an important item in our procurement scoring program. If there is an alternative, TPV prefers to select a reliable supply chain. In 2021, TPV focused on promoting the establishment of conflict-free minerals management methods in the supply chain, and will continue to conduct random checks on high-risk suppliers by e-mail, telephone or other electrical communication methods, and provide feedback on how to improve policies when necessary.
- TPV receives the latest RMAP smelter list and double confirm whether the change will affect TPV's smelter list. If the smelter is removed from RMAP system then TPV will repeat the above Step 3 item 1).

Step 4. Plan an independent third-party audit of the smelter or refiner's due diligence

TPV relies on information provided by the RMAP for this step, and uses the RMI RCOI report to identify the minerals country of origin and conflict-free status of smelters.

Step 5. Report annually on supply chain due diligence

Since 2017, TPV reports annually on supply chain due diligence and will continue to update the smelter list every year.

Due Diligence Practice in the Supply Chain

In 2021, TPV initiated a high-risk supplier survey. All our suppliers need to fill out the CMRT published by RMI in order for us to identify traceability of minerals used in the supply chain. The goal is that the response rate is 100% according to TPV's strict policy. In summary, during the review period from December 1, 2021 to February 15, 2022, there are total 249 smelters or refineries (with 4 Cobalt smelters) in the TPV supply chain, which are involved and certified in the RMAP (listed in Appendix). For non-active smelters, TPV gives 3 months to implement the improvement, if there is still no change, TPV will ask the suppliers to stop using the smelters within one month.

The percentage of suppliers for which information regarding conflict minerals is available is 100%.

Despite what TPV executes, we all know that researching the source of minerals through the supply chain is a complex task. As the final assemblies, TPV does not purchase materials directly from mines, smelters or refiners. At this stage, it is impossible to trace the use of mineral materials at each downstream supplier of each material. Instead of that, TPV relies on the suppliers' CMRT reports. Therefore, the completed and correct supplier reports and the suppliers' procurement contracts will reduce the risk of purchasing components with mineral-containing materials.

Project update PACT 2020

In 2020, TPV and the subsidiaries AOC and Philips Monitors partnered with Pact to improve responsible sourcing of minerals in the Democratic Republic of Congo. Artisanal and small-scale mining (ASM) provides an important livelihood in DRC. An estimated 2 million people directly depend on ASM activities across the country, mining vital minerals for the world's electronic devices and green technology that result in significant contributions to the national and global economies. With our support, Pact will train local mining stakeholders, including artisanal miners, mining cooperatives and state mining services, on DRC's new Mining Code and Regulations on ASM that were adopted in 2018. The training will help mining communities know their rights; understand issues and challenges with mining in conflict-affected and high-risk areas, and possible implications for miners' security and human rights; make informed decisions on legal requirements to engage in mining; and follow the rules and avoid fines.

In addition to raising awareness on governance of the sector, the partnership will also focus on improving occupational health and safety (OHS) at mine sites. ASM involves the manual extraction of minerals using rudimentary tools and techniques. It is often carried out informally, with little geological knowledge and scant attention paid to mine management or health and safety. These mines often present a wide range of physical hazards to workers that compromise their safety and wellbeing.

Working with local mining cooperatives, Pact will assess OHS risks at artisanal mine sites and develop mitigation measures, in cooperation with the cooperatives' leadership, concession owner and state services. Pact will also train mine managers, team leaders, cooperatives and government agents on OHS using a 'train the trainers' approach. This type of approach creates a cadre of people who can then pass the skills on to others, increasing the project's effectiveness and sustainably. Link to full press release 2020: <https://mmdmonitors.com/new-pact-guide-helps-artisanal-miners-understand-their-rights-and-responsibilities-under-congolese-law/>

Project update PACT 2021

Pact has developed a booklet to explain and disseminate key legal aspects of the Congolese Mining Code and Regulation. With this new booklet, Pact provides a detailed overview of key articles that are relevant for artisanal and small-scale mining communities. This booklet aims to make sure that ASM miners know their rights and responsibilities.

Written for artisanal miners, the booklet was developed in cooperation with officials, state services and civil society from North Kivu Province with support from the North Kivu Minister of Mines. It covers all areas of ASM, from the

conditions, requirements and limitations to work as an ASM miner or local trader, known locally as negociants, to mine minerals at mine sites and trading for export. The booklet also covers key risks such as mineral fraud and child labor while also promoting the role of women in ASM.

First launched in North Kivu's capital, Goma, at the beginning of October, the project was later introduced to local stakeholders in the trading hub of Rubaya, in Masisi territory of North Kivu Province. The French-language booklets were distributed to all project participants. Posters were developed in local languages and displayed in various local offices and will be displayed at mine sites. In the coming months, Pact's project team will continue organizing awareness-raising meetings with local mining communities in Masisi territory on the mining code and regulation.

A second component of the project focuses on improving occupational health and safety (OHS) at tin, tantalum and tungsten (the '3T') mine sites, another key challenge that ASM miners face in their daily work and a key responsibility of miners under Congolese regulations. In partnership with a local mining cooperative, Pact has identified three mine sites where OHS training and interventions will be carried out. A training curriculum was developed and OHS committees were set up and trained at each site.

These committees, trained by Pact, will meet regularly and carry out joint visits to the sites to raise awareness of ASM miners on health and safety issues, identify all OHS risks at the site, develop mitigation measures and conduct ongoing monitoring. Committees include representatives from the cooperative, the Service for Assistance and Supervision of Artisanal and Small-Scale Mining organization (SAEMAPE), the Mine Division, mining title holder, landowner, ITSCI officer and the mining police.

The training activities conducted so far have received strong support from local stakeholders. "The training allowed us to recognise our weaknesses about how activities are conducted at the mine. I ask all committee members to take on these challenges and start raising the awareness of miners about OHS," said Johnny Mashagiro, SAEMAPE supervisor at a selected site and member of an OHS committee.

This project was designed in a way that it is sustainable, through a 'train-the-trainer' approach, so that mining stakeholders become the future trainers of their own peers. Simultaneously, the project can be easily scaled-up by expanding it to new mine sites and areas in the DRC and addressing other issues faced by ASM miners on the ground. Link to full press release 2021: <https://mmdmonitors.com/new-pact-guide-helps-artisanal-miners-understand-their-rights-and-responsibilities-under-congolese-law/>

Further Due Diligence Plan

Since 2019, TPV plans to have the CMRT investigation of 3TG together with extended minerals like Cobalt and Mica. TPV continues the engagement with industry programs like RMI, to actively attend its seminar, summit to have the latest information and pass it to the priority suppliers. We continue reach out to smelters that are not yet RMAP compliant, to have at least 90% RMAP compliant smelters.

Addressing Concerns

TPV actively encourages its employees and other parties such as upstream companies (e.g. smelters, mines) to report concerns either directly to the company or through TPV's ethics hotline, training course and other channels. Employees, customers or suppliers of the company can report violations of TPV's ethical behavior or issues related to conflict minerals by the specific channel: email (Lisali@tpv-tech.com), or by phone (0591-85285555). TPV welcomes also suggestions for improvement to minimize procurement risks and increase responsibility to the international community's actions for conflict-free minerals.

Appendix: 2021 Smelter List

Item	Metal (*)	Smelter Look-up (*)	Smelter Country (*)
1	Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CHINA
2	Cobalt	Jiangsu Xiongfeng Technology Co., Ltd.	CHINA
3	Cobalt	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA
4	Cobalt	Umicore Finland Oy	FINLAND
5	Gold	8853 S.p.A.	ITALY
6	Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
7	Gold	Aida Chemical Industries Co., Ltd.	JAPAN
8	Gold	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES
9	Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
10	Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
11	Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
12	Gold	Argor-Heraeus S.A.	SWITZERLAND
13	Gold	Asahi Pretec Corp.	JAPAN
14	Gold	Asahi Refining Canada Ltd.	CANADA
15	Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
16	Gold	Asaka Riken Co., Ltd.	JAPAN
17	Gold	Aurubis AG	GERMANY
18	Gold	Bangalore Refinery	INDIA
19	Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
20	Gold	Boliden AB	SWEDEN
21	Gold	C. Hafner GmbH + Co. KG	GERMANY
22	Gold	CCR Refinery - Glencore Canada Corporation	CANADA
23	Gold	Cendres + Metaux S.A.	SWITZERLAND
24	Gold	Chimet S.p.A.	ITALY
25	Gold	Chugai Mining	JAPAN
26	Gold	DODUCO Contacts and Refining GmbH	GERMANY
27	Gold	Dowa	JAPAN
28	Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
29	Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN
30	Gold	Eco-System Recycling Co., Ltd. North Plant	JAPAN
31	Gold	Eco-System Recycling Co., Ltd. West Plant	JAPAN
32	Gold	Emirates Gold DMCC	UNITED ARAB EMIRATES
33	Gold	Geib Refining Corporation	UNITED STATES OF AMERICA
34	Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
35	Gold	Heimerle + Meule GmbH	GERMANY
36	Gold	Heraeus Germany GmbH Co. KG	GERMANY
37	Gold	Heraeus Metals Hong Kong Ltd.	CHINA
38	Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
39	Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
40	Gold	Istanbul Gold Refinery	TURKEY
41	Gold	Italpreziosi	ITALY
42	Gold	Japan Mint	JAPAN
43	Gold	Jiangxi Copper Co., Ltd.	CHINA

44	Gold	JSC Novosibirsk Refinery	RUSSIAN FEDERATION
45	Gold	JSC Uralelectromed	RUSSIAN FEDERATION
46	Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
47	Gold	Kazzinc	KAZAKHSTAN
48	Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
49	Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
50	Gold	Kojima Chemicals Co., Ltd.	JAPAN
51	Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
52	Gold	L'Orfebre S.A.	ANDORRA
53	Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
54	Gold	LT Metal Ltd.	KOREA, REPUBLIC OF
55	Gold	Marsam Metals	BRAZIL
56	Gold	Materion	UNITED STATES OF AMERICA
57	Gold	Matsuda Sangyo Co., Ltd.	JAPAN
58	Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
59	Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
60	Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
61	Gold	Metalor Technologies S.A.	SWITZERLAND
62	Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
63	Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
64	Gold	Mitsubishi Materials Corporation	JAPAN
65	Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
66	Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
67	Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
68	Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
69	Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
70	Gold	Nihon Material Co., Ltd.	JAPAN
71	Gold	Ogussa Österreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
72	Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
73	Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION
74	Gold	PAMP S.A.	SWITZERLAND
75	Gold	Planta Recuperadora de Metales SpA	CHILE
76	Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
77	Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
78	Gold	PX Precinox S.A.	SWITZERLAND
79	Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
80	Gold	REMONDIS PMR B.V.	NETHERLANDS
81	Gold	Royal Canadian Mint	CANADA
82	Gold	SAAMP	FRANCE
83	Gold	Safimet S.p.A	ITALY
84	Gold	SAFINA A.S.	CZECHIA
85	Gold	Samduck Precious Metals	KOREA, REPUBLIC OF
86	Gold	SAXONIA Edelmetalle GmbH	GERMANY
87	Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
88	Gold	Shandong Gold Smelting Co., Ltd.	CHINA
89	Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
90	Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA

91	Gold	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA
92	Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION
93	Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA
94	Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
95	Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF
96	Gold	T.C.A S.p.A	ITALY
97	Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
98	Gold	Tokuriki Honten Co., Ltd.	JAPAN
99	Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
100	Gold	Torecom	KOREA, REPUBLIC OF
101	Gold	Umicore Precious Metals Thailand	THAILAND
102	Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
103	Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
104	Gold	Valcambi S.A.	SWITZERLAND
105	Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
106	Gold	WIELAND Edelmetalle GmbH	GERMANY
107	Gold	Yamakin Co., Ltd.	JAPAN
108	Gold	Yokohama Metal Co., Ltd.	JAPAN
109	Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
110	Gold	Metal Concentrators SA (Pty) Ltd.	SOUTH AFRICA
111	Gold	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA
112	Gold	NH Recytech Company	KOREA, REPUBLIC OF
113	Gold	C.I Metales Procesados Industriales SAS	COLOMBIA
114	Tantalum	LSM Brasil S.A.	BRAZIL
115	Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
116	Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
117	Tantalum	Exotech Inc.	UNITED STATES OF AMERICA
118	Tantalum	F&X Electro-Materials Ltd.	CHINA
119	Tantalum	FIR Metals & Resource Ltd.	CHINA
120	Tantalum	Global Advanced Metals Aizu	JAPAN
121	Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA
122	Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
123	Tantalum	H.C. Starck Inc.	UNITED STATES OF AMERICA
124	Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
125	Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
126	Tantalum	Jiangxi Tuohong New Raw Material	CHINA
127	Tantalum	Jiujiang JinXin Nonferrous Metals Co., Ltd.	CHINA
128	Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
129	Tantalum	Jiujiang Zhonggao Tantalum & Niobium Co., Ltd.	CHINA
130	Tantalum	KEMET de Mexico	MEXICO
131	Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
132	Tantalum	Mineracao Taboca S.A.	BRAZIL
133	Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
134	Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA

135	Tantalum	NPM Silmet AS	ESTONIA
136	Tantalum	QuantumClean	UNITED STATES OF AMERICA
137	Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
138	Tantalum	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION
139	Tantalum	Taki Chemical Co., Ltd.	JAPAN
140	Tantalum	TANIOBIS Co., Ltd.	THAILAND
141	Tantalum	TANIOBIS GmbH	GERMANY
142	Tantalum	TANIOBIS Japan Co., Ltd.	JAPAN
143	Tantalum	TANIOBIS Smelting GmbH & Co. KG	GERMANY
144	Tantalum	Telex Metals	UNITED STATES OF AMERICA
145	Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
146	Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	CHINA
147	Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
148	Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
149	Tin	Alpha	UNITED STATES OF AMERICA
150	Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
151	Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA
152	Tin	China Tin Group Co., Ltd.	CHINA
153	Tin	Dowa	JAPAN
154	Tin	EM Vinto	BOLIVIA (PLURINATIONAL STATE OF)
155	Tin	Fenix Metals	POLAND
156	Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
157	Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
158	Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA
159	Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
160	Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
161	Tin	Jiangxi New Nanshan Technology Ltd.	CHINA
162	Tin	Luna Smelter, Ltd.	RWANDA
163	Tin	Ma'anshan Weitai Tin Co., Ltd.	CHINA
164	Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
165	Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
166	Tin	Melt Metais e Ligas S.A.	BRAZIL
167	Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
168	Tin	Metallo Belgium N.V.	BELGIUM
169	Tin	Metallo Spain S.L.U.	SPAIN
170	Tin	Mineracao Taboca S.A.	BRAZIL
171	Tin	Minsur	PERU
172	Tin	Mitsubishi Materials Corporation	JAPAN
173	Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
174	Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
175	Tin	Operaciones Metalurgicas S.A.	BOLIVIA (PLURINATIONAL STATE OF)
176	Tin	PT Artha Cipta Langgeng	INDONESIA
177	Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
178	Tin	PT Babel Inti Perkasa	INDONESIA
179	Tin	PT Babel Surya Alam Lestari	INDONESIA
180	Tin	PT Bangka Serumpun	INDONESIA
181	Tin	PT Menara Cipta Mulia	INDONESIA

182	Tin	PT Mitra Stania Prima	INDONESIA
183	Tin	PT Prima Timah Utama	INDONESIA
184	Tin	PT Rajawali Rimba Perkasa	INDONESIA
185	Tin	PT Refined Bangka Tin	INDONESIA
186	Tin	PT Stanindo Inti Perkasa	INDONESIA
187	Tin	PT Timah Tbk Kundur	INDONESIA
188	Tin	PT Timah Tbk Mentok	INDONESIA
189	Tin	PT Tinindo Inter Nusa	INDONESIA
190	Tin	Resind Industria e Comercio Ltda.	BRAZIL
191	Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA
192	Tin	Soft Metais Ltda.	BRAZIL
193	Tin	Thai Nguyen Mining and Metallurgy Co., Ltd.	VIET NAM
194	Tin	Thaisarco	THAILAND
195	Tin	Tin Technology & Refining	UNITED STATES OF AMERICA
196	Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
197	Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
198	Tin	Yunnan Tin Company Limited	CHINA
199	Tin	CV Venus Inti Perkasa	INDONESIA
200	Tin	PT Sariwiguna Binasentosa	INDONESIA
201	Tin	Estanho de Rondonia S.A.	BRAZIL
202	Tin	Novosibirsk Processing Plant Ltd.	RUSSIAN FEDERATION
203	Tin	Super Ligas	BRAZIL
204	Tin	CRM Synergies	SPAIN
205	Tin	PT Timah Nusantara	INDONESIA
206	Tin	PT Mitra Sukses Globalindo	INDONESIA
207	Tin	PT Bukit Timah	INDONESIA
208	Tin	PT Sukses Inti Makmur	INDONESIA
209	Tungsten	A.L.M.T. Corp.	JAPAN
210	Tungsten	ACL Metais Eireli	BRAZIL
211	Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
212	Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
213	Tungsten	China Molybdenum Tungsten Co., Ltd.	CHINA
214	Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
215	Tungsten	Fujian Ganmin RareMetal Co., Ltd.	CHINA
216	Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA
217	Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA
218	Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
219	Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
220	Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA
221	Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
222	Tungsten	H.C. Starck Tungsten GmbH	GERMANY
223	Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
224	Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA
225	Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION
226	Tungsten	Japan New Metals Co., Ltd.	JAPAN
227	Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
228	Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
229	Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
230	Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA

231	Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
232	Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA
233	Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA
234	Tungsten	KGETS Co., Ltd.	KOREA, REPUBLIC OF
235	Tungsten	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA
236	Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
237	Tungsten	Masan High-Tech Materials	VIET NAM
238	Tungsten	Moliren Ltd.	RUSSIAN FEDERATION
239	Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA
240	Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
241	Tungsten	TANIOBIS Smelting GmbH & Co. KG	GERMANY
242	Tungsten	Unecha Refractory metals plant	RUSSIAN FEDERATION
243	Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
244	Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
245	Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
246	Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA
247	Tungsten	Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.	BRAZIL
248	Tungsten	Cronimet Brasil Ltda	BRAZIL
249	Tungsten	JSC "Kirovgrad Hard Alloys Plant"	RUSSIAN FEDERATION

Revision list

Ver.	Summary of the revision	Revised by	Approved by	Date of issue
0.0	New Establishment	Hong Wei	Jed Hsu	Sep-02-2019
1.0	Add cobalt requirements	Hong Wei	Vivian Hsu	Sep-08-2020
2.0	Updated version	Zen Tseng	Kevin Hung	Feb-05-2021
2.1	Add OECD guideline	Zen Tseng	Kevin Hung	Oct-08-2021
3.0	Updated version	Zen Tseng	Kevin Hung	Mar-11-2022