

ECS Conflict Minerals Policy

ECS have requested all suppliers to fulfill social environmental responsibility and international justice, not to accept the conflict minerals originating from the Democratic Republic of the Congo (DRC) and its adjacent countries for products manufacturing. Those conflict minerals include Au, Ta, Sn, W, Co and Mica, ECS's suppliers must investigate and trace the origins of conflict minerals used (including smelters) and implement the responsible minerals due diligence procedures from the due diligence framework in the OECD guidance and the fully protection of human rights. Expecting those minerals do come from smelters RBI verified to ensure they are not "conflict minerals" related, and asks all suppliers should impose the same requirement on their upstream suppliers simultaneously.

Please refer below list for the smelters which ECS supply chain used:

Metal	Smelter Reference List	Smelter Country
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA
Gold	Mitsubishi Materials Corporation	JAPAN
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
Tantalum	Telex Metals	UNITED STATES OF AMERICA
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Gold	Materion	UNITED STATES OF AMERICA
Gold	Agosi AG	GERMANY
Tin	Thaisarco	THAILAND
Gold	Dowa	JAPAN
Tantalum	Global Advanced Metals Aizu	JAPAN
Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Tungsten	H.C. Starck Tungsten GmbH	GERMANY
Gold	Metalor Technologies S.A.	SWITZERLAND

Metal	Smelter Reference List	Smelter Country
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Tantalum	TANIOBIS Japan Co., Ltd.	JAPAN
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
Gold	Nihon Material Co., Ltd.	JAPAN
Tantalum	KEMET de Mexico	MEXICO
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
Gold	PAMP S.A.	SWITZERLAND
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
Gold	Yamakin Co., Ltd.	JAPAN
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Tin	EM Vinto	BOLIVIA (PLURINATIONAL STATE OF)
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Heimerle + Meule GmbH	GERMANY
Tantalum	QuantumClean	UNITED STATES OF AMERICA
Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	CHINA
Tantalum	NPM Silmet AS	ESTONIA
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tungsten	Masan High-Tech Materials	VIET NAM
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
Tin	Tin Technology & Refining	UNITED STATES OF AMERICA
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA
Gold	REMONDIS PMR B.V.	NETHERLANDS

Metal	Smelter Reference List	Smelter Country
Gold	Torecom	KOREA, REPUBLIC OF
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA
Gold	Jiangxi Copper Co., Ltd.	CHINA
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
Gold	Asahi Refining Canada Ltd.	CANADA
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
Tantalum	TANIOBIS GmbH	GERMANY
Gold	PX Precinox S.A.	SWITZERLAND
Gold	Planta Recuperadora de Metales SpA	CHILE
Gold	T.C.A S.p.A	ITALY
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
Gold	Boliden AB	SWEDEN
Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Tin	Mineracao Taboca S.A.	BRAZIL
Tantalum	TANIOBIS Co., Ltd.	THAILAND
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
Tin	PT Timah Tbk Mentok	INDONESIA
Gold	Japan Mint	JAPAN
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
Tin	PT Timah Tbk Kundur	INDONESIA
Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
Tantalum	FIR Metals & Resource Ltd.	CHINA
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL

Metal	Smelter Reference List	Smelter Country
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
Tantalum	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Tin	Jiangxi New Nanshan Technology Ltd.	CHINA
Gold	Valcambi S.A.	SWITZERLAND
Tin	Fenix Metals	POLAND
Gold	Yokohama Metal Co., Ltd.	JAPAN
Tin	Dowa	JAPAN
Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA
Tin	Metallo Belgium N.V.	BELGIUM
Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
Gold	Royal Canadian Mint	CANADA
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
Gold	Chimet S.p.A.	ITALY
Tin	Metallo Spain S.L.U.	SPAIN
Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN
Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
Gold	L'Orfebre S.A.	ANDORRA
Tin	PT Mitra Stania Prima	INDONESIA
Gold	Istanbul Gold Refinery	TURKEY
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
Gold	Aurubis AG	GERMANY
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tantalum	Mineracao Taboca S.A.	BRAZIL
Tantalum	Taki Chemical Co., Ltd.	JAPAN
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
Tin	Alpha	UNITED STATES OF AMERICA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Gold	Argor-Heraeus S.A.	SWITZERLAND
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE

Metal	Smelter Reference List	Smelter Country
Tin	Minsur	PERU
Tungsten	A.L.M.T. Corp.	JAPAN
Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Tantalum	AMG Brasil	BRAZIL
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
Gold	Italpreziosi	ITALY
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA
Gold	Asahi Pretec Corp.	JAPAN
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
Gold	Heraeus Metals Hong Kong Ltd.	CHINA
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	H.C. Starck Inc.	UNITED STATES OF AMERICA
Tin	Resind Industria e Comercio Ltda.	BRAZIL
Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
Gold	WIELAND Edelmetalle GmbH	GERMANY
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Gold	Kazzinc	KAZAKHSTAN
Tin	China Tin Group Co., Ltd.	CHINA
Tungsten	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Gold	LT Metal Ltd.	KOREA, REPUBLIC OF
Gold	Chugai Mining	JAPAN
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN

Metal	Smelter Reference List	Smelter Country
Tin	Operaciones Metalurgicas S.A.	BOLIVIA (PLURINATIONAL STATE OF)
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
Tin	Tin Smelting Branch of Yunnan Tin Co., Ltd.	CHINA
Tin	Estanho de Rondonia S.A.	BRAZIL
Gold	Heraeus Germany GmbH Co. KG	GERMANY
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	SAFINA A.S.	CZECHIA
Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
Tungsten	China Molybdenum Tungsten Co., Ltd.	CHINA
Gold	NH Recytech Company	KOREA, REPUBLIC OF
Tin	Luna Smelter, Ltd.	RWANDA
Tungsten	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Gold	Eco-System Recycling Co., Ltd. North Plant	JAPAN
Gold	Eco-System Recycling Co., Ltd. West Plant	JAPAN
Tungsten	Cronimet Brasil Ltda	BRAZIL
Tin	CRM Synergies	SPAIN
Gold	Metal Concentrators SA (Pty) Ltd.	SOUTH AFRICA
Tin	Fabrica Auricchio Industria e Comercio Ltda.	BRAZIL
Tin	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CHINA
Tin	DS Myanmar	MYANMAR
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
Tantalum	Guangdong Rising Rare Metals-EO Materials Ltd.	CHINA
Tin	PT Aries Kencana Sejahtera	INDONESIA
Tin	PT Premium Tin Indonesia	INDONESIA
Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Babel Surya Alam Lestari	INDONESIA
Tin	PT Bangka Tin Industry	INDONESIA
Tin	PT Belitung Industri Sejahtera	INDONESIA
Tin	PT Bukit Timah	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA

Metal	Smelter Reference List	Smelter Country
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasentosa	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA
Tin	PT Timah Nusantara	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
Tin	Soft Metais Ltda.	BRAZIL
Gold	Shandong Gold Smelting Co., Ltd.	CHINA
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
Tin	CV Venus Inti Perkasa	INDONESIA
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
Tin	CV Ayi Jaya	INDONESIA
Tin	PT Rajehan Ariq	INDONESIA
Tin	PT Cipta Persada Mulia	INDONESIA
Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA
Tin	Super Ligas	BRAZIL
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Sukses Inti Makmur (SIM)	INDONESIA
Tin	PT Menara Cipta Mulia	INDONESIA
Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
Gold	Bangalore Refinery	INDIA
Tin	PT Bangka Serumpun	INDONESIA
Cobalt	Jiangsu Xiongfeng Technology Co., Ltd.	CHINA
Tin	PT Rajawali Rimba Perkasa	INDONESIA
Tin	Precious Minerals and Smelting Limited	INDIA
Tungsten	Hubei Green Tungsten Co., Ltd.	CHINA
Tin	PT Mitra Sukses Globalindo	INDONESIA
Tin	CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda	BRAZIL
Tantalum	RFH Yancheng Jinye New Material Technology Co., Ltd.	CHINA
Tungsten	Fujian Xinlu Tungsten Co., Ltd.	CHINA

Metal	Smelter Reference List	Smelter Country
Gold	WEEEREFINING	FRANCE
Gold	Gold by Gold Colombia	COLOMBIA
Tin	PT Putera Sarana Shakti (PT PSS)	INDONESIA
Tantalum	XIMEI RESOURCES(GUIZHOU) TECHNOLOGY CO., LTD.	CHINA
Tungsten	Tungsten Vietnam Joint Stock Company	VIET NAM
Gold	Coimpa Industrial LTDA	BRAZIL
Tantalum	PowerX Ltd.	RWANDA
Tin	Mining Minerals Resources SARL	CONGO, DEMOCRATIC REPUBLIC OF THE
Tungsten	Plansee Composite Materials GmbH	GERMANY
Tungsten	Lianyou Resources Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tin	Takehara PVD Materials Plant / PVD Materials Division of MITSUI MINING & SMELTING CO., LTD.	JAPAN
Tungsten	Shinwon Tungsten (Fujian Shanghang) Co., Ltd.	CHINA
Tantalum	CMT Rare Metal Advanced Materials (Hunan) Co., Ltd.	CHINA
Tin	Malaysia Smelting Corporation Berhad (Port Klang)	MALAYSIA
Gold	GG Refinery Ltd.	TANZANIA, UNITED REPUBLIC OF
Gold	Impala Refineries – Base Metals Refinery (BMR)	SOUTH AFRICA
Gold	Impala Rustenburg	SOUTH AFRICA
Tungsten	Kenee Mining Corporation Vietnam	VIET NAM
Gold	Inca One (Chala One Plant)	PERU
Gold	Inca One (Koricancha Plant)	PERU
Gold	Impala Refineries – Platinum Metals Refinery (PMR)	SOUTH AFRICA
Tin	Woodcross Smelting Company Limited	UGANDA
Gold	Elite Industech Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Cobalt	Gem (Jiangsu) Cobalt Industry Co., Ltd.	CHINA
Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CHINA
Cobalt	Zhuhai Kelixin Metal Materials Co., Ltd.	CHINA
Cobalt	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	CHINA
Cobalt	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA

Metal	Smelter Reference List	Smelter Country
Cobalt	Tianjin Maolian Science & Technology Co., Ltd.	CHINA
Cobalt	Zhejiang Huayou Cobalt Company Limited	CHINA
Cobalt	Umicore Finland Oy	FINLAND
Cobalt	Umicore Olen	BELGIUM
Cobalt	Dynatec Madagascar Company	MADAGASCAR
Cobalt	Port Colborne Refinery	CANADA
Cobalt	Quzhou Huayou Cobalt New Material Co., Ltd.	CHINA
Cobalt	Kamoto Copper Company	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Chemaf Etoile	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Societe pour le Traitement du Terril de Lubumbashi (STL)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	La Compagnie de Traitement des Rejets de Kingamyambo S.A.	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Niihama Nickel Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Compagnie de Tifnout Tiranimine	MOROCCO
Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	CHINA
Cobalt	Jiangsu Xiongfeng Technology Co., Ltd.	CHINA
Cobalt	SungEel HiTech Co.,Ltd.	KOREA, REPUBLIC OF
Cobalt	Jiangxi Jiangwu Cobalt industrial Co., Ltd.	CHINA
Cobalt	Jingmen GEM Co., Ltd.	CHINA
Cobalt	Ganzhou Highpower Technology Co., Ltd.	CHINA
Cobalt	NORILSK NICKEL HARJAVALTA OY	FINLAND
Cobalt	New Era Group Zhejiang Zhongneng Cycle Technology Co., Ltd.	CHINA
Cobalt	Hunan Yacheng New Materials Co., Ltd.	CHINA
Cobalt	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA
Cobalt	Hunan Zoomwe New Energy Science & Technology Co., Ltd.	CHINA
Cobalt	Cosmo Chemical, Ltd.	KOREA, REPUBLIC OF
Cobalt	CoreMax Corporation	TAIWAN, PROVINCE OF CHINA
Cobalt	Zhejiang Greatpower Cobalt Materials Co., Ltd.	CHINA
Cobalt	Mechema Taiwan Plant 2	TAIWAN, PROVINCE OF CHINA
Cobalt	Harima Refinery, Sumitomo Metal Mining	JAPAN

Metal	Smelter Reference List	Smelter Country
Cobalt	Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CHINA
Cobalt	Mine de Bou-Azzer	MOROCCO
Cobalt	Mutanda Mining SPRL	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Tenke Fungurume Mining SA	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Ningbo Hubang New Material Co., Ltd.	CHINA
Cobalt	Kisanfu Mining (Kimin)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Zhejiang Power New Energy Materials Co., Ltd.	CHINA
Cobalt	Anhui Hanrui New Material Co., Ltd.	CHINA
Cobalt	Guangdong Fangyuan New Materials Group Co., Ltd.	CHINA
Cobalt	Fujian Evergreen New Energy Technology Co.	CHINA
Cobalt	Jiangxi Miracle Golden Tiger Cobalt Co. Ltd.	CHINA
Cobalt	Eti Bakir A.S	TURKEY
Cobalt	Hunan Brunp Recycling Technology Co., Ltd.	CHINA
Cobalt	Jervois Finland OY	FINLAND
Cobalt	ICoNiChem	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
Mica	Yamaguchi Mica	JAPAN
Cobalt	Vale – Long Harbour Processing Plant (LHPP)	CANADA
Cobalt	Jiangxi Ruida New Energy Technology Co., Ltd.	CHINA
Mica	Yamaguchi Mica Co., Ltd. Toyohashi Factory	JAPAN
Mica	Yamaguchi Mica Co., Ltd. Shinshiro Factory	JAPAN
Mica	Mica Electrical Material (Luhe) Co., Ltd.	CHINA
Cobalt	Guizhou Red Star Electronic Material Co., Ltd.	CHINA
Cobalt	Lianyou Resources Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Cobalt	Impala Refineries – Base Metals Refinery (BMR)	SOUTH AFRICA
Cobalt	Impala Rustenburg	SOUTH AFRICA
Cobalt	LUILU RESSOURCES SAS	CONGO, DEMOCRATIC REPUBLIC OF THE