

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
Tungsten	A.L.M.T. Corp.	JAPAN
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Agosi AG	GERMANY
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
Gold	Argor-Heraeus S.A.	SWITZERLAND
Gold	Asahi Pretec Corp.	JAPAN
Gold	Asaka Riken Co., Ltd.	JAPAN
Tungsten	Kennametal Huntsville	UNITED STATES OF
Gold	Aurubis AG	GERMANY
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Gold	Boliden AB	SWEDEN
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
Gold	Chimet S.p.A.	ITALY
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Gold	Chugai Mining	JAPAN
Tin	Alpha	UNITED STATES OF
Tin	PT Aries Kencana Sejahtera	INDONESIA
Tin	PT Premium Tin Indonesia	INDONESIA
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
Gold	Dowa	JAPAN
Tin	Dowa	JAPAN
Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN
Tin	EM Vinto	BOLIVIA (PLURINATIONAL
Tin	Estanho de Rondonia S.A.	BRAZIL
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tin	Fenix Metals	POLAND

Metal	Smelter Reference List	Smelter Country
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF
Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	CHINA
Gold	LT Metal Ltd.	KOREA, REPUBLIC OF
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Heraeus Metals Hong Kong Ltd.	CHINA
Gold	Heraeus Germany GmbH Co. KG	GERMANY
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co.,	CHINA
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Istanbul Gold Refinery	TURKEY
Gold	Japan Mint	JAPAN
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Gold	Jiangxi Copper Co., Ltd.	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Gold	Asahi Refining USA Inc.	UNITED STATES OF
Gold	Asahi Refining Canada Ltd.	CANADA
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kazzinc	KAZAKHSTAN
Tungsten	Kennametal Fallon	UNITED STATES OF
Gold	Kennecott Utah Copper LLC	UNITED STATES OF
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Tin	China Tin Group Co., Ltd.	CHINA
Tantalum	AMG Brasil	BRAZIL
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
Gold	Materion	UNITED STATES OF
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Tin	Metallic Resources, Inc.	UNITED STATES OF
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Metalor Technologies S.A.	SWITZERLAND
Gold	Metalor USA Refining Corporation	UNITED STATES OF
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tin	Mineracao Taboca S.A.	BRAZIL
Tantalum	Mineracao Taboca S.A.	BRAZIL
Tin	Minsur	PERU
Gold	Mitsubishi Materials Corporation	JAPAN

Metal	Smelter Reference List	Smelter Country
Tin	Mitsubishi Materials Corporation	JAPAN
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Tantalum	NPM Silmet AS	ESTONIA
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
Tin	Jiangxi New Nanshan Technology Ltd.	CHINA
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	Nihon Material Co., Ltd.	JAPAN
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
Tin	Operaciones Metalurgicas S.A.	BOLIVIA (PLURINATIONAL
Gold	MKS PAMP SA	SWITZERLAND
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Babel Surya Alam Lestari	INDONESIA
Tin	PT Bukit Timah	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasentosa	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA
Tin	PT Timah Tbk Kundur	INDONESIA
Tin	PT Timah Tbk Mentok	INDONESIA
Tin	PT Timah Nusantara	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Gold	PX Precinox S.A.	SWITZERLAND
Tantalum	QuantumClean	UNITED STATES OF
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
Gold	Royal Canadian Mint	CANADA
Tin	Rui Da Hung	TAIWAN, PROVINCE OF
Gold	SEMPA Joyeria Plateria S.A.	SPAIN
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
Tantalum	Taki Chemical Co., Ltd.	JAPAN
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN

Metal	Smelter Reference List	Smelter Country
Tantalum	Telex Metals	UNITED STATES OF
Tin	Thaisarco	THAILAND
Gold	Shandong Gold Smelting Co., Ltd.	CHINA
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Torecom	KOREA, REPUBLIC OF
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
Gold	United Precious Metal Refining, Inc.	UNITED STATES OF
Gold	Valcambi S.A.	SWITZERLAND
Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Gold	Yamakin Co., Ltd.	JAPAN
Gold	Yokohama Metal Co., Ltd.	JAPAN
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tin	Tin Smelting Branch of Yunnan Tin Co., Ltd.	CHINA
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
Gold	SAFINA A.S.	CZECHIA
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co.,	CHINA
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tin	CV Venus Inti Perkasa	INDONESIA
Gold	Geib Refining Corporation	UNITED STATES OF
Tin	Magnum's Minerais Metais e Ligas Ltda.	BRAZIL
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tantalum	D Block Metals, LLC	UNITED STATES OF
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tungsten	Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou	CHINA
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES

Metal	Smelter Reference List	Smelter Country
Tantalum	KEMET de Mexico	MEXICO
Tungsten	H.C. Starck Tungsten GmbH	GERMANY
Tungsten	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Tungsten	Masan High-Tech Materials	VIET NAM
Tantalum	TANIOBIS Co., Ltd.	THAILAND
Tantalum	TANIOBIS GmbH	GERMANY
Tantalum	Materion Newton Inc.	UNITED STATES OF
Tantalum	TANIOBIS Japan Co., Ltd.	JAPAN
Tantalum	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF
Tantalum	Global Advanced Metals Aizu	JAPAN
Tin	CV Ayi Jaya	INDONESIA
Gold	T.C.A S.p.A	ITALY
Gold	REMONDIS PMR B.V.	NETHERLANDS
Tungsten	Niagara Refining LLC	UNITED STATES OF
Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
Tungsten	China Molybdenum Tungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA
Tin	PT Cipta Persada Mulia	INDONESIA
Tin	Resind Industria e Comercio Ltda.	BRAZIL
Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
Gold	Abington Reldan Metals, LLC	UNITED STATES OF
Tin	Super Ligas	BRAZIL
Gold	L'Orfebre S.A.	ANDORRA
Gold	Italpreziosi	ITALY
Tin	Aurubis Beerse	BELGIUM
Tin	Aurubis Berango	SPAIN
Tin	PT Bangka Prima Tin	INDONESIA
Gold	WIELAND Edelmetalle GmbH	GERMANY
Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt	AUSTRIA
Tin	PT Sukses Inti Makmur	INDONESIA
Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
Tin	PT Menara Cipta Mulia	INDONESIA
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF
Gold	Planta Recuperadora de Metales SpA	CHILE
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
Gold	NH Recytech Company	KOREA, REPUBLIC OF
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA

Metal	Smelter Reference List	Smelter Country
Tin	PT Bangka Serumpun	INDONESIA
Tin	Tin Technology & Refining	UNITED STATES OF
Tin	PT Rajawali Rimba Perkasa	INDONESIA
Tin	Luna Smelter, Ltd.	RWANDA
Tungsten	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF
Tungsten	Hubei Green Tungsten Co., Ltd.	CHINA
Gold	Eco-System Recycling Co., Ltd. North Plant	JAPAN
Gold	Eco-System Recycling Co., Ltd. West Plant	JAPAN
Tin	PT Mitra Sukses Globalindo	INDONESIA
Tungsten	Cronimet Brasil Ltda	BRAZIL
Tin	CRM Fundicao De Metais E Comercio De Equipamentos	BRAZIL
Tin	CRM Synergies	SPAIN
Gold	Metal Concentrators SA (Pty) Ltd.	SOUTH AFRICA
Tin	Fabrica Auricchio Industria e Comercio Ltda.	BRAZIL
Tantalum	RFH Yancheng Jinye New Material Technology Co., Ltd.	CHINA
Tungsten	Fujian Xinlu Tungsten Co., Ltd.	CHINA
Gold	Gold by Gold Colombia	COLOMBIA
Tin	DS Myanmar	MYANMAR
Tin	PT Putera Sarana Shakti (PT PSS)	INDONESIA
Tungsten	Tungsten Vietnam Joint Stock Company	VIET NAM
Gold	Coimpa Industrial LTDA	BRAZIL
Tantalum	PowerX Ltd.	RWANDA
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
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	Quzhou Huayou Cobalt New Material Co., Ltd.	CHINA
Cobalt	Kamoto Copper Company	CONGO, DEMOCRATIC
Cobalt	Chemaf Etoile	CONGO, DEMOCRATIC
Cobalt	Societe pour le Traitement du Terril de Lubumbashi (STL)	CONGO, DEMOCRATIC
Cobalt	La Compagnie de Traitement des Rejets de Kingamyambo	CONGO, DEMOCRATIC
Cobalt	Niihama Nickel Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Mine de Bou-Azzer	MOROCCO
Cobalt	Compagnie de Tifnout Tiranimine	MOROCCO
Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	CHINA

Metal	Smelter Reference List	Smelter Country
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	Zhejiang New Era Zhongneng Technology Co., Ltd.	CHINA
Cobalt	Hunan Yacheng New Materials Co., Ltd.	CHINA
Cobalt	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA
Cobalt	Hunan CNGR New Energy Science & Technology Co., Ltd.	CHINA
Cobalt	Cosmo Chemical, Ltd.	KOREA, REPUBLIC OF
Cobalt	SOCIETE MINIERE DU KATANGA (SOMIKA SARL)	CONGO, DEMOCRATIC
Cobalt	Ningbo Hubang New Material Co., Ltd.	CHINA
Cobalt	CoreMax Corporation	TAIWAN, PROVINCE OF
Cobalt	Chizhou CN New Materials and Technology Co., Ltd.	CHINA
Cobalt	Zhejiang Greatpower Cobalt Materials Co., Ltd.	CHINA
Cobalt	Mechema Taiwan Plant 2	TAIWAN, PROVINCE OF
Cobalt	Harima Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Guizhou CNGR Resource Recycling Industry Development	CHINA
Cobalt	Anhui Hanrui New Material Co., Ltd.	CHINA