



Introduction

This Conflict Minerals Reporting Template (Template) is a free, standardized reporting template created by the Electronic Industry Citizenship Coalition® (EICC®) and the Global e-Sustainability Initiative (GeSI). The Template facilitates the transfer of information through the supply chain regarding mineral country of origin and smelters and refiners being utilized and supports compliance to legislation*. The template also facilitates the identification of new smelters and refiners to potentially undergo an audit via the Conflict-Free Smelter Program**.

The CMRT was designed for downstream companies to disclose information about their supply chains up to but not including the smelter. If you are a 3TG smelter or refiner, in accordance with the CFSP protocols, we recommend you enter your own name in the smelter list tab.

When filling out the form, none of the cell entries should start with "=" or "#."

* In 2010, the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act was passed concerning "conflict minerals" originating from the Democratic Republic of the Congo (DRC) or adjoining countries. The SEC published final rules associated with the disclosure of the source of conflict minerals by U.S. publicly traded companies (see the rules at <http://www.sec.gov/rules/final/2012/34-67716.pdf>). The rules reference the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, (<http://www.oecd.org/daf/inv/mne/GuidanceEdition2.pdf>), which guides suppliers to establish policies, due diligence frameworks and management systems.
** See information on the Conflict-Free Sourcing Initiative (www.conflictreesourcing.org).

Instructions for completing Company Information questions (rows 8 - 22).

Provide comments in ENGLISH only.

Note: Entries with (*) are mandatory fields.

1. Insert your company's Legal Name. Please do not use abbreviations. In this field you have the option to add other commercial names, DBAs, etc.

2. Select your company's Declaration Scope. The options for scope are:

- A. Company-wide
- B. Product (or List of Products)
- C. User-Defined

For "Company-wide", the declaration encompasses the entirety of a company's products or product substances produced by the parent company. Therefore if the user is reporting 3TG data at the company level, they will be reporting conflict minerals data on all products they manufacture.

For Scope selection of Product (or List of Products), a link to the worksheet tab for Product List will be displayed. If this scope is chosen, it is mandatory to list the Manufacturer's Product Number of the products covered under the Scope of this Declaration in Column B of the Product List worksheet. It is optional to list the Manufacturer's Product Name in Column C of the Product List worksheet.

For Scope selection of "User Defined", it is mandatory that the user describes the scope to which the 3TG disclosure is applicable. The scope of this class shall be defined in a text field by the supplier and should be easily understood by customers or the receivers of the document. As an example, companies may provide a link to clarifying information.

This field is mandatory.

3. Insert your company's unique identifier number or code (DUNS number, VAT number, customer-specific identifier, etc.)

4. Insert the source for the unique identifier number or code ("DUNS", "VAT", "Customer", etc).

5. Insert your full company address (street, city, state, country, postal code). This field is optional.

6. Insert the name of the person to contact regarding the contents of the declaration information. This field is mandatory.

7. Insert the email address of the contact person. If an email address is not available, state "not available" or "n/a." A blank field may cause an error in form implementation. This field is mandatory.

8. Insert the telephone number for the contact. This field is mandatory.

9. Insert the name of the person who is responsible for the contents of the declaration information. The authorizer may be a different individual than the contact person. It is not correct to use the words "same" or similar identification to provide the name of the authorizer. This field is mandatory.

10. Insert the title for the Authorizing person. This field is optional.

11. Insert the email address of the Authorizing person. If an email address is not available, state "not available" or "n/a." A blank field may cause an error in form implementation. This field is mandatory.

12. Insert the telephone number for the Authorizing person. This field is mandatory.

13. Please enter the Date of Completion for this form using the format DD-MMM-YYYY. This field is mandatory.

14. As an example, the user may save the file name as: companyname-date.xls (date as YYYY-MM-DD).

Instructions for completing the seven Due Diligence Questions (rows 24 - 65).

Provide answers in ENGLISH only.

These seven questions define the usage, origination and sourcing identification for each of the metals. The questions are designed to collect information about the use of 3TG in the company's product(s) to allow for the determination of regulatory applicability. Responses to these questions shall represent the 'Declaration Scope' selected in the company information section. The responses to the questions in this section can be used to determine applicability and completeness of 3TG reporting.

For each of the seven required questions, provide an answer for each metal using the pull down menu selections. The questions in this section must be completed for all 3TG. If the response for a given metal to questions 1 is positive, then the subsequent questions shall be completed for that metal and the following due diligence questions (A to I) shall be completed about the company's overall due diligence program.

1. This is the first of two questions for which the response is used to determine whether the 3TG is within the scope of conflict minerals reporting requirements. This question relies upon the guidance provided by the SEC in the final rules regarding the determination if a 3TG is "necessary to the functionality or production" of a product. The SEC guidance is based upon the presumption that a company in the supply chain for a product would not intentionally add a 3TG to that product or any of a product's sub-components if that 3TG was not necessary to the product's generally expected function, use, or purpose. Similarly, the guidance presumes that a 3TG would not be necessary to the production of a product unless it was intentionally included in the production process of that product. The response to this question serves to exclude any trace-level contaminants or naturally-occurring by-products such as tin in steel. This question shall be answered for each 3TG.

This question asks if any conflict minerals are used as raw material, component or additive in a product that you manufacture or contract to manufacture (including raw material and components). Impurities from raw materials, components, additives, abrasives, and cutting tools are outside the scope of the survey.

This question shall be answered for each 3TG. Valid responses to this question are either "yes" or "no". This question is mandatory.

Some companies may require substantiation for a "No" answer that should be entered into the Comment Field.

2. This question shall be answered for each 3TG for each the answer to question 1 is "yes." This is the second of two questions for which the response is used to determine whether the 3TG is within the scope of conflict minerals reporting requirements as described in the SECs final rules regarding the determination if a 3TG is necessary to the functionality or production of a product. This question is dependent upon the question and response to Question 1. This question is intended to identify 3TGs which are intentionally added or included in the manufacturing process of a product where some amount of the 3TG remains in the finished product. This includes 3TGs which may not have been intended to become part of the final product and may not be necessary to the functionality of the product but are only present as residuals of the manufacturing process. In many cases, the manufacturer may have attempted to remove or facilitate consumption of the 3TG during the manufacturing process, however, some amount of the 3TG remains. Should the 3TG, which is added or included during the manufacturing process, be completely removed such that none of the 3TG remains upon the completion of that process, the response to this question would be no.

This question shall be answered for each 3TG. Valid answers to this question are either "yes" or "no". This question is mandatory.

<p>3. This is a declaration that any portion of the 3TGs contained in a product or multiple products originates from the DRC or an adjoining country (covered countries). The answer to this question should be "yes" if any smelter in the supply chain sources from the covered countries, even if those smelters are on the CFSI compliant smelter and refiner list. For more information, see CFSI's due diligence guidance on conflict minerals here: http://www.conflictreesourcing.org/additional-training-and-resources/guidance-documents/.</p> <p>The answer to this question shall be "yes", "no", or "unknown". Substantiate a "Yes" answer in the comments section.</p> <p>This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</p>
<p>4. This is a declaration that identifies whether 3TGs contained in the product(s) necessary to the functionality of that product(s) originate from recycled or scrap sources.</p> <p>The answer to this question shall be "yes", "no", or "unknown". This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</p> <p>A "Yes" answer means that 100% of the 3TG comes from recycled or scrap sources. A "No" answer means that some of the 3TG does not come from recycled or scrap sources. An "Unknown" answer means that the user does not know whether or not 100% of the 3TG comes from recycled or scrap sources.</p>
<p>5. This is a question to determine whether a company has received conflict minerals disclosures from all direct suppliers reasonably believed to be providing 3TGs contained in the products covered by the scope of this declaration. Permissible responses to this question are:</p> <ul style="list-style-type: none"> - 100% - Greater than 90% - Greater than 75% - Greater than 50% - 50% or less - None <p>This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</p>
<p>6. This question verifies if the supplier has reason to believe they have identified all of the smelters providing 3TGs in the products covered by this declaration. The answer to this question shall be "Yes" or "No", along with a comment in certain cases, e.g. list of smelters.</p> <p>This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</p>
<p>7. This question verifies that all of the smelters identified to be providing any of the 3TGs contained in the products covered by the scope of this declaration have been reported in this declaration. The answer to this question shall be "yes" or "no" along with a comment in certain cases, e.g. list of smelters. This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</p> <p>Provide comments in the Comment sections as required to clarify your responses.</p>
<p>Instructions for completing Questions A – I. (rows 69 - 85): Questions A. through I. are mandatory if the both of responses to Question 1 and 2 are "Yes" for any metal. Provide answers in ENGLISH only.</p>
<p>The OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-affected and High-risk Areas (OECD Guidance) defines "Due Diligence" as "an on-going, proactive and reactive process through which companies can ensure that they respect human rights and do not contribute to conflict". Due diligence should be an integral part of your company's overall conflict free sourcing strategy. Questions A. thru I. are designed to assess your company's conflict-free minerals sourcing due diligence activities. Responses to these questions shall represent the full scope of your company's activities and shall not be limited to the 'Declaration Scope' selected in the company information section.</p>
<p>A. This is a declaration to disclose whether a company has a conflict minerals sourcing policy. The answer to this question shall be "yes" or "no." Comments shall be captured in a question comment field.</p> <p>This question is mandatory.</p>
<p>B. This is a declaration to disclose whether a company's conflict minerals sourcing policy is available on the company website. The answer to this question shall be "yes" or "no." If "Yes" the user shall specify the URL in a question comment field.</p> <p>This question is mandatory.</p>
<p>C. This is a question to determine whether a company requires their direct suppliers to be DRC conflict free. The answer to this question shall be "yes" or "no." See Definitions worksheet for definition of "DRC conflict-free". Comments shall be captured in a question comment field.</p> <p>This question is mandatory.</p>
<p>D. This is a declaration to determine whether a company requires their direct suppliers to source 3TG from validated, conflict free smelters. The answer to this question shall be "yes" or "no." Comments should be captured in a question comment field.</p> <p>This question is mandatory.</p>
<p>E. Please answer "yes" or "no" to disclose whether your company has implemented conflict minerals sourcing due diligence measures. This declaration is not intended to provide the details of a company's due diligence measures - just that a company has implemented due diligence measures. The aspects of acceptable due diligence measures shall be determined by the requestor and supplier.</p> <p>Examples of due diligence measures may include: communicating and incorporating into contracts (where possible) your expectations to suppliers on conflict-free mineral supply chain; identifying and assessing risks in the supply chain; designing and implementing a strategy to respond to identified risks; verifying your direct supplier's compliance to its DRC conflict-free policy, etc. These due diligence measure examples are consistent with the guidelines included in the internationally recognized OECD Guidance.</p> <p>This question is mandatory.</p>
<p>F. This is a question to disclose whether a company requests their supplier to fill out a conflict minerals declaration. Acceptable answers are listed below, in certain cases further explanation may be required, i.e., to provide the format used for collecting information. If the answer is "Yes," using other format the user shall provide a comment in a question comment field. Permissible responses to this question are:</p> <ul style="list-style-type: none"> - Yes, in conformance with IPC-1755 [e.g., CMRT] - Yes, using other format (describe) - No <p>This question is mandatory.</p>
<p>G. Please answer "Yes" or "No". In the comments section, you can provide additional information on your approach. Examples could be:</p> <ul style="list-style-type: none"> "3rd party audit" - on-site audits of your suppliers conducted by independent third parties. "Documentation review only" - a review of supplier submitted records and documentation conducted by independent third parties and, or your company personnel. "Internal audit" - on-site audits of your suppliers conducted by your company personnel. <p>This question is mandatory.</p>
<p>H. This is a question to disclose whether a company's review process includes corrective action management. The answer to this question shall be "yes" or "no." Comments shall be captured in a question comment field.</p> <p>This question is mandatory.</p>
<p>I. This is a question to disclose whether a company is subject to the SEC rule. The answer to this question shall be "yes" or "no." Comments shall be captured in a question comment field. This question is mandatory. For more information please refer to www.sec.gov.</p>
<p>Note: Columns with (*) are mandatory fields</p>
<p>This template allows for smelter identification using the Smelter Look-up. Columns B, and C must be completed in order from left to right to utilize the Smelter Look-up feature.</p> <p>Use a separate line for each metal/smelter/country combination.</p>

<p>1. Smelter Identification Input Column - If you know the Smelter Identification Number, input the number in Column A (columns B, C, E, F, G, I, and J will auto-populate). Column A does not autopopulate.</p>
<p>2. Metal (*) - Use the pull down menu to select the metal for which you are entering smelter information. This field is mandatory.</p>
<p>3. Smelter Look-up (*) - Select from dropdown. This is the list of known smelters as of template release date. If smelter is not listed select 'Smelter Not Listed'. This will allow you to enter the name of the smelter in Column D. If you do not know the name or location of the smelter, select 'Smelter Not Yet Identified.' For this option, columns D and E will autopopulate to say, 'unknown.' <u>This field is mandatory.</u></p>
<p>4. Smelter Name (1)- Fill in smelter name if you selected "Smelter Not Listed" in column C. This field will auto-populate when a smelter name is selected in Column C. <u>This field is mandatory.</u></p>
<p>5. Smelter Country (*) - This field will auto-populate when a smelter name is selected in column C. If you selected "Smelter Not Listed" in column C, use the pull down menu to select the country location of the smelter. This field is mandatory.</p>
<p>6. Smelter Identification - This is a unique identifier assigned to a smelter or refiner according to an established smelter and refinery identification system. It is expected that multiple names or aliases could be used to describe a single smelter or refiner and therefore multiple names or aliases could be associated to a single 'Smelter ID'.</p>
<p>7. Source of Smelter Identification Number - This is the source of the Smelter Identification Number entered in Column F. If a smelter name was selected in Column C using the dropdown box, this field will auto-populate.</p>
<p>8. Smelter Street - Provide the street name on which the smelter is located. This field is optional.</p>
<p>9. Smelter City - Provide the city name of where the smelter is located. This field is optional.</p>
<p>10. Smelter Location: State/Province, if applicable - Provide the state or province where the smelter is located. This field is optional.</p>
<p>11. Smelter Contact Name - The Conflict Minerals Reporting Template (CMRT) is circulated among companies in the requesting company's supply chain to ensure compliance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas and the U.S. Securities and Exchange Commission Final Rule on conflict minerals.</p> <p>If the template is circulated in a country where laws protecting personal information exist, sharing personal contact information in the CMRT may violate related regulations. Therefore, it is recommended that the requesting company take precautions such as obtaining the contact person's permission to share the information with other companies in the supply chain when completing "Smelter Contact Name" and the "Smelter Contact Email" columns.</p> <p>If you have permission to share this information, please fill in the name of the Smelter Facility Contact person who you worked with.</p>
<p>12. Smelter Contact Email - Fill in the email address of the Smelter Facility contact person who was identified as the Smelter Contact Name. Example: John.Smith@SmelterXX.com. Please review the instructions for Smelter Contact Name before completing this field.</p>
<p>13. Name of Mine(s) - This field allows a company to define the actual mines being used by the smelter. Please enter the actual mine names if known. If 100% of the smelter's feedstock originates from recycled or scrap sources, enter "Recycled" or "Scrap" in place of the name of the mine and answer "Yes" in Column P.</p> <p><u>"RCOI confirmed as per CFSI" may be an acceptable answer to this question.</u></p>
<p>14. Location (Country) of Mine(s) - This is a free form text field that allows a company to define the location of the mines being used by the smelter. Please enter the country of the mine(s). If the country of origin is not known, enter "Unknown". If 100% of the smelter's feedstock originates from recycled or scrap sources, enter "Recycled" or "Scrap" in place of the country of origin. This field is optional.</p> <p><u>"RCOI confirmed as per CFSI" may be an acceptable answer to this question.</u></p>
<p>15. Indicates whether the smelter solely obtains inputs for its smelting process(es) from recycled or scrap sources. This question is optional. Permissible responses to this question are:</p> <ul style="list-style-type: none"> - Yes - No - Unknown
<p>16. Comments - free form text field to enter any comments concerning the smelter. Example: smelter is being acquired by Company YYY</p>
<p>The Checker worksheet is used to verify if all the required information in the Template has been completed. It is updated real-time and can be reviewed at any time while using the Template. It is used to verify completion.</p> <p>To use this sheet, verify if all required fields have been completed (completed fields will be highlighted in green). If not, look for the red field(s) and review the "Notes" in Column C for required actions. You may use the URL in Column D to directly access the field for completion.</p>
<p><u>The Conflict-Free Smelter Program ("Program") Compliant Smelter List (the "List") and Program templates and tools, including, without limitation, the Conflict Minerals Reporting Template (collectively "Tools"), including, without limitation, all information provided therein, are provided for informational purposes only and are current as of the date set forth therein. Any inaccuracy or omission in the List or any Tool is not the responsibility of the Electronic Industry Citizenship Coalition, Incorporated, a Delaware non-stock corporation ("EICC"), or of the Global e-Sustainability Initiative, a Belgian international not-for-profit association ("GeSI"). Determination of whether and/or how to use all or any portion of the List or any Tool is to be made in the User's sole and absolute discretion. Prior to using the List or any Tool, you should review it with your own legal counsel. No part of the List or any Tool constitutes legal advice. Use of the List or any Tool is voluntary.</u></p>
<p><u>To the fullest extent permitted by applicable laws, EICC and GeSI renounce any liability for any losses, expenses or damages of any nature, including, without limitation, special, incidental, punitive, direct, indirect or consequential damages or lost income or profits, resulting from or arising out of the User's use of the List or any Tool, whether arising in tort, contract, statute, or otherwise, even if shown that they were advised of the possibility of such damages.</u></p>
<p>In consideration for access and use of the List and/or any Tool, THE USER hereby agrees to and does (a) release and forever discharge EICC and GeSI, as well as their respective officers, directors, agents, employees, volunteers, representatives, contractors, successors, and assigns, from any and all claims, actions, losses, suits, damages, judgments, levies, and executions, which the User has ever had, has, or ever can, shall, or may have or claim to have against EICC and/or GeSI, as well as their respective officers, directors, agents, employees, volunteers, representatives, contractors, successors, and assigns, resulting from or arising out of the List or any Tool or use thereof, and agrees to (b) indemnify, defend and hold harmless EICC and GeSI, as well as their respective officers, directors, agents, employees, volunteers, representatives, contractors, successors, and assigns, from any and all claims, actions, losses, suits, damages, judgments, levies, and executions resulting from or arising out of the USER'S use of the List or any Tool.</p>
<p>If any part of any provision of these Terms and Conditions shall be invalid or unenforceable under applicable law, said part shall be deemed ineffective to the extent of such invalidity or unenforceability only, without in any way affecting the remaining parts of said provision or the remaining provisions of these Terms and Conditions.</p>
<p>By accessing and using the List or any Tool, and in consideration thereof, the User agrees to the foregoing.</p>
<p>© 2017 Conflict-Free Sourcing Initiative. All rights reserved. Return to declaration tab Revision 5.10 December 1, 2017</p>

ITEM	DEFINITION
3TG	Tantalum, tin, tungsten, gold
Authorizer	This field identifies the person responsible for the content of the declaration. The authorizer may be a different individual from the contact person. It is not correct to use the words "same" or "similar identification to provide the name of the authorizer."
CFSP Compliant Smelter List	The Conflict-Free Smelter Program (CFSP) Compliant Smelter List is a published list of smelters and refiners that have undergone assessment through the CFSP, a program of the Conflict-Free Sourcing Initiative (CFSI) or industry equivalent program (such as Responsible Jewellery Council or London Bullion Market Association) and have been validated to be in compliance with the protocols. If a smelter or refiner is not on the list, it has either not completed a CFSP assessment or is not in compliance with the CFSP protocol. A list of smelters and refiners which have been validated to be compliant to the CFSP can be found at www.conflictreesourcing.org .
Conflict-Free Smelter Program (CFSP)	The Conflict-Free Smelter Program (CFSP) is a program developed by the EICC and GeSI to enhance company capability to verify the responsible sourcing of metals. Further details of the CFSP can be found here: http://www.conflictreesourcing.org/conflict-free-smelter-program/ .
Conflict-Free Sourcing Initiative	Founded in 2008 by members of the Electronic Industry Citizenship Coalition and the Global e-Sustainability Initiative, the Conflict-Free Sourcing Initiative has grown into one of the most utilized and respected resources for companies addressing conflict minerals issues in their supply chains. Over 150 companies from seven different industries participate in the CFSI today, contributing to a range of tools and resources including the Conflict-Free Smelter Program, the Conflict Minerals Reporting Template, Reasonable Country of Origin Inquiry data and a range of guidance documents on conflict minerals sourcing. The CFSI also runs regular workshops on conflict minerals issues and contributes to policy development and debates with leading civil society organizations and governments. Additional information is available at www.conflictreesourcing.org .
Conflict Mineral	As defined in 2010 United States legislation, Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502(b)(5)(C): CONFLICT MINERAL —The term "conflict mineral" means— (A) columbite-tantalite (coltan), cassiterite, gold, wolframite, or their derivatives; or (B) any other mineral or its derivatives determined by the Secretary of State to be financing conflict in the Democratic Republic of the Congo or an adjoining country. (Available at http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf)
Covered Country(ies)	Covered countries as defined by the United States Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. These countries include the Democratic Republic of the Congo and the nine countries with which it shares an internationally recognized border: Angola, Burundi, Central African Republic, Republic of the Congo, Rwanda, South Sudan, Tanzania, Uganda, Zambia.
Declaration Scope or Class	For the purposes of this template, "scope" describes the applicability of the information provided by the reporting company. The scope may encompass the entirety of a company's services and/or products, or a company's discretion, the template may be used to report on a specific product (or products), or, be "User defined". The "User defined" scope selection or class may be used to describe any subset of a company's operation or product portfolio.
Dodd-Frank	2010 United States legislation, Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502 ("Dodd-Frank") (http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf)
DRC	Democratic Republic of Congo
DRC conflict-free	Products that do not contain minerals that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo or an adjoining country. Source: 2010 United States legislation, Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502 (http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf)
EICC	Electronic Industry Citizenship Coalition (www.eicc.info)
GeSI	Global e-Sustainability Initiative (www.gesi.org)
Gold (Au) refiner (smelter)	A gold refiner is a metallurgical operation that produces fine gold with a concentration of 99.5% or higher from gold and gold-bearing materials with lower concentrations. Refer to the CFSP-audit protocol for this metal for a complete description: http://www.conflictreesourcing.org/audit-protocols-procedures/ .
Independent Third-Party Audit Firm	With respect to smelter audits, an "Independent Third-Party Audit Firm" is a private sector organization competent in evaluating the smelter or refiner's materials traceability against the standards of the CFSP or equivalent audit protocols. To maintain neutrality and impartiality, such organization and its audit team members must have no conflicts of interest with the auditee.
Intentionally added	Intentionally added is commonly known as the deliberate use of a substance, or in this case metal, in the formulation of a product where continued presence is desired to provide a specific characteristic, appearance or quality. While the SEC does not define the phrase "intentionally added" in the final rule ¹ , the rule's preamble states: "I]We agree that being intentionally added, rather than being a naturally-occurring-by-product, is a significant factor in determining whether a conflict mineral is "necessary to the functionality of production" of a product. This is true regardless of who intentionally added the conflict mineral to the product so long as it is contained in the product. [D]etermining whether a conflict mineral is considered "necessary" to a product should not depend on whether the conflict mineral is added directly to the product by the issuer or whether it is added to a component of the product that the issuer receives from a third party. Instead, the issuer should report on the totality of the product and work with suppliers to comply with the requirements." Therefore, in determining whether a conflict mineral is "necessary" to a product, an issuer must consider any conflict mineral contained in its product, even if that conflict mineral is only in the product because it was included as part of a component of the product that was manufactured originally by a third party." ¹ (S6296 Federal Register / Vol. 77, No. 177 / Wednesday, September 12, 2012 / Rules and Regulations)
IPC	IPC (www.ipc.org) is a global industry association based in Bannockburn, Ill., dedicated to the competitive excellence and financial success of its 3,400 member companies which represent all facets of the electronics industry, including design, printed board manufacturing, electronics assembly and test. As a member-driven organization and leading source for industry standards, training, market research and public policy advocacy, IPC supports programs to meet the needs of an estimated \$2.0 trillion global electronics industry. IPC maintains additional offices in Taos, N.M., Washington, D.C., Stockholm, Sweden; Moscow, Russia; Bangalore, India; Bangkok, Thailand; and Shanghai, Shenzhen, Chengdu, Suzhou and Beijing, China.
IPC-1755 Conflict Minerals Data Exchange Standard	This IPC standard establishes the requirements for exchanging conflict minerals data between suppliers and their customers. To meet the needs of a broad range of users, this standard provides flexibility in the scope of the products covered within a single declaration. This standard is not a compliance guide. The SEC does not provide a formal definition of this phrase in the final rule ¹ ; however, it provides some guidance: A conflict mineral will be considered to be necessary to its functionality of a product if it meets the following: 1) is intentionally added to the product or any component of the product and is not a naturally-occurring byproduct; 2) is necessary to the product's generally expected function, use or purpose; and 3) is incorporated for the purpose of ornamentation, decoration, or embellishment, whether the primary purpose of the product is ornamentation or decoration. NOTE: The conflict mineral must be contained in the product to be applicable. ¹ (S6296 Federal Register / Vol. 77, No. 177 / Wednesday, September 12, 2012 / Rules and Regulations)
Necessary for the Production of a Product	The SEC does not provide a formal definition of this phrase in the final rule ¹ ; however, it provides some guidance: A conflict mineral will be considered to be necessary to the production of a product when: 1) it is intentionally included in the product's production process, other than if it is included in a tool, machine, or equipment used to produce the product (such as computers or power lines); 2) it is included in the product (MUST be contained in the product to be applicable); and 3) it is necessary to the product. ¹ (S6296 Federal Register / Vol. 77, No. 177 / Wednesday, September 12, 2012 / Rules and Regulations)
OECD	Organisation for Economic Co-operation and Development
Product	A company's Product or finished good is a material or item which has completed the final stage of manufacturing and/or processing and is available for distribution or sale to customers.
Recycled or Scrap Sources	Recycled or scrap sources are recycled metals, that are reclaimed end-user or post-consumer products, or scrap processed metals created during product manufacturing. Recycled metal includes excess, obsolete, defective, and scrap metal materials that contain refined or processed metals that are appropriate to recycle in the production of tin, tantalum, tungsten and/or gold. Minerals partially processed, unprocessed or byproducts from other ores are not included in the definition of recycled metal.
SEC	U.S. Securities and Exchange Commission (www.sec.gov)
Smelter	A smelter or refiner is a company that procures and processes mineral ore, slag and/or materials from recycled or scrap sources into refined metal or metal containing intermediate products. The output can be pure (99.9% or greater) metals, powders, ingots, bars, grains, oxides or salts. The terms "smelter" and "refiner" are used interchangeably throughout various publications.
Smelter Identification Number	A unique identification number the CFSI assigns to companies that have been reported by members of the supply chain as smelters or refiners, whether or not they have been verified to meet the characteristics of smelters or refiners as defined in the CFSP audit protocols.
Tantalum (Ta) smelter	A tantalum smelter (also known as a processor) is defined as a company that converts Ta-containing ores, concentrates, slags or secondary materials into tantalum intermediate products or other tantalum containing products for direct sales or further processing into Ta-containing products, such as Ta powders, Ta components, Ta oxides, alloys, wires, sintered bars, etc. Refer to the CFSP audit protocol for this metal for a complete description at: http://www.conflictreesourcing.org/audit-protocols-procedures/ .
Tin (Sn) smelter	Primary [tin] smelters are companies with one or more facilities treating tin containing ores/concentrates in order to produce tin metal. Secondary [tin] smelters are companies with one or more facilities that treat secondary materials by reduction for the production of crude or higher grade tin or tin product such as solder. A smelter as referred to within this audit protocol may operate as either one or both types of business operation. Refer to the CFSP audit protocol for this metal for a complete description: http://www.conflictreesourcing.org/audit-protocols-procedures/ .
Tungsten (W) smelter	A company with one or more facilities that converts W-containing ores (such as wolframite and scheelite), W concentrates, or W-bearing scrap (secondary material) into tungsten containing intermediates such as Ammonium Para-Tungstate (APT), Ammonium Meta-Tungstate (AMT), ferrotungsten, and tungsten oxides for direct sales or further processed into W-containing products (such as W powder or W-carbide powder). Refer to the CFSP audit protocol for this metal for a complete description: http://www.conflictreesourcing.org/audit-protocols-procedures/ .



An Initiative of the EICC and GeSI

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Conflict Minerals Reporting Template (CMRT)

English

Revision 5.10
December 1, 2017

[Link to Terms & Conditions](#)

The purpose of this document is to collect sourcing information on tin, tantalum, tungsten and gold used in products

Mandatory fields are noted with an asterisk (*). Consult the instructions tab for guidance on how to answer each question.

Company Information

Company Name (*):	Matthew Warren Inc dba MW Ind dba Helical Products Co
Declaration Scope or Class (*):	A. Company
Description of Scope:	Manufacturer of precision machined couplings and springs.
Company Unique ID:	08013170
Company Unique ID Authority:	D & B
Address:	901 West McCoy
Contact Name (*):	Gregory Riley
Email - Contact (*):	griley@heli-cal.com
Phone - Contact (*):	(805) 928-3851
Authorizer (*):	Gregory Riley
Title - Authorizer:	Environmental, Health, & Safety Coordinator
Email - Authorizer (*):	griley@heli-cal.com
Phone - Authorizer (*):	(805) 928-3851
Effective Date (*):	9-Apr-2018

Answer the following questions 1 - 7 based on the declaration scope indicated above

1) Is any 3TG intentionally added or used in the product(s) or in the production process? (*)	Answer	Comments
Tantalum	No	Helical does not add any 3Tgs to it's products.
Tin	No	Helical does not add any 3Tgs to it's products.
Gold	No	Helical does not add any 3Tgs to it's products.
Tungsten	No	Helical does not add any 3Tgs to it's products.

2) Does any 3TG remain in the product(s)?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		

3) Do any of the smelters in your supply chain source the 3TG from the covered countries? (SEC term, see definitions tab)	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		

4) Does 100 percent of the 3TG (necessary to the functionality or production of your products) originate from recycled or scrap sources?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		

5) What percentage of relevant suppliers have provided a response to your supply chain survey?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		

6) Have you identified all of the smelters supplying the 3TG to your supply chain?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		



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Conflict Minerals Reporting Template (CMRT)

English

Revision 5.10
 December 1, 2017

[Link to Terms & Conditions](#)

The purpose of this document is to collect sourcing information on tin, tantalum, tungsten and gold used in products

Mandatory fields are noted with an asterisk (*). Consult the instructions tab for guidance on how to answer each question.

7) Has all applicable smelter information received by your company been reported in this declaration?

	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		

Answer the Following Questions at a Company Level

Question	Answer	Comments
A. Have you established a conflict minerals sourcing policy?	Yes	See CMRT and QC-110-2 listed on our website
B. Is your conflict minerals sourcing policy publicly available on your website? (Note - If yes, the user shall specify the URL in the comment field.)	Yes	http://hell-cal.com/about-us/compliance-information/
C. Do you require your direct suppliers to be DRC conflict-free?	Yes	
D. Do you require your direct suppliers to source the 3TG from smelters whose due diligence practices have been validated by an independent third party audit program?	No	We do not source any of these materials
E. Have you implemented due diligence measures for conflict-free sourcing?	Yes	By not sourcing any of these materials at all.
F. Does your company conduct Conflict Minerals survey(s) of your relevant supplier(s)?	Yes, using other format (describe)	EU RoHS Directive 2011/65/EU, Amendment (EU) 2015/863 & REACH regulation No. 1907 / 2006/ EC
G. Do you review due diligence information received from your suppliers against your company's expectations?	Yes	
H. Does your review process include corrective action management?	Yes	We have a process to manage corrective actions
I. Is your company required to file an annual conflict minerals disclosure with the SEC?	No	

To ensure all required fields have been populated before submitting to your customers review form for any line items highlighted in red
[Click here to return to Declaration tab](#)

Required fields remaining to be completed
 0



Required Fields	Answer provided	Notes	Hyperlink to source
Company Name (*):	Matthew Warren Inc dba MW Ind dba Helical Products Co	Complete	
Declaration Scope or Class (*):	A. Company	Complete	
Description of Goods:	Manufacturer of precision machined couplings and springs.	Complete	
Contact Name (*):	Gregory Riley	Complete	
Email - Contact (*):	griley@heli-cal.com	Complete	
Phone - Contact (*):	(805) 928-3851	Complete	
Authorizer (*):	Gregory Riley	Complete	
Email - Authorizer (*):	griley@heli-cal.com	Complete	
Phone - Authorizer (*):	(805) 928-3851	Complete	
Effective Date (*):	9-Apr-2018	Complete	
1) Is any 3TG intentionally added or used in the product(s) or in the production process? (*)			
Tantalum	No	Complete	
Tin	No	Complete	
Gold	No	Complete	
Tungsten	No	Complete	
2) Does any 3TG remain in the product(s)?			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
3) Do any of the smelters in your supply chain source the 3TG from the covered countries? (SEC term, see definitions tab)			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
4) Does 100 percent of the 3TG (necessary to the functionality or production of your products) originate from recycled or scrap sources?			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
5) What percentage of relevant suppliers have provided a response to your supply chain survey?			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
6) Have you identified all of the smelters supplying the 3TG to your supply chain?			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
7) Has all applicable smelter information received by your company been reported in this declaration?			
Tantalum		Complete	
Tin		Complete	
Gold		Complete	
Tungsten		Complete	
Question			
A. Have you established a conflict minerals sourcing policy?	Yes	Complete	
B. Is your conflict minerals sourcing policy publicly available on your website? (Note - If yes, the user shall specify the URL in the comment field.)	Yes	Complete	
The URL in the comment field	http://heli-cal.com/about-us/compliance-information/	Complete	
C. Do you require your direct suppliers to be DRC conflict-free?	Yes	Complete	
D. Do you require your direct suppliers to source the 3TG from smelters whose due diligence practices have been validated by an independent third party audit organization?	No	Complete	
E. Have you implemented due diligence measures for conflict-free sourcing?	Yes	Complete	
F. Does your company conduct Conflict Minerals (minerals) of your relevant supplier(s)?	Yes, using other format (describe)	Complete	
G. Do you review due diligence information received from your suppliers against your company's conflict-free ?	Yes	Complete	
H. Does your review process include corrective action measures?	Yes	Complete	
I. Is your company required to file an annual conflict minerals disclosure with the SEC?	No	Complete	
Product List	Products on item numbers listed	Complete	
Smelter List - Tantalum		Not Required	
Smelter List - Tin		Not Required	
Smelter List - Gold		Not Required	
Smelter List - Tungsten		Not Required	
Do rows with "Smelter not listed" scenario, have a name and country listed?		N/A	

The following list represents the CFSI's latest smelter name/alias
<http://www.conflictreesourcing.org/conflict-free-smelter-program>

Please refer to the CFSI web site www.conflictreesourcing.org for

Names included in column B represent company names that are c
or other variations. Although the names may not be the CFSI Sta

Column C is the list of the official standard smelter names, in the
variation is noted in Column B.

Metal	Smelter Look-up (*)
Gold	Abington Reldan Metals, LLC
Gold	Accurate Refining Group
Gold	Advanced Chemical Company
Gold	African Gold Refinery
Gold	AGR (Perth Mint Australia)
Gold	AGR Mathey
Gold	Aida Chemical Industries Co., Ltd.
Gold	Al Etihad Gold LLC
Gold	Al Etihad Gold Refinery DMCC
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.
Gold	Almalyk Mining and Metallurgical Complex (AMMC)
Gold	Amagasaki Factory, Hyogo Prefecture, Japan
Gold	AngloGold Ashanti Brazil
Gold	AngloGold Ashanti Corrego do Sitio Mineracao
Gold	AngloGold Ashanti Córrego do Sítio Mineração
Gold	Anhui Tongling Nonferrous Metal Mining Co., Ltd.
Gold	ANZ (Perth Mint 4N)
Gold	Argor-Heraeus S.A.
Gold	Asahi Pretec Corp.
Gold	Asahi Refining Canada Ltd.
Gold	Asahi Refining USA Inc.
Gold	Asaka Riken Co., Ltd.
Gold	ATAkulche
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.
Gold	AU Traders and Refiners
Gold	Aurubis AG
Gold	BALORE REFINERSGA
Gold	Bangalore Refinery
Gold	Bangalore Refinery Pvt Ltd
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philip
Gold	Boliden AB
Gold	C. Hafner GmbH + Co. KG
Gold	Caridad
Gold	CCR

Gold	CCR Refinery - Glencore Canada Corporation
Gold	Cendres + Métaux SA
Gold	Cendres + Métaux S.A.
Gold	Cendres + Métaux S.A.
Gold	Central Bank of the Philippines Gold Refinery & Mint
Gold	CHALCO Yunnan Copper Co. Ltd.
Gold	Chimet S.p.A.
Gold	China Henan Zhongyuan Gold Smelter
Gold	China's Shandong Gold Mining Co., Ltd
Gold	Chugai Mining
Gold	Daejin Indus Co., Ltd.
Gold	Daejin Industry
Gold	Daye Non-Ferrous Metals Mining Ltd.
Gold	DEGUSSA
Gold	Degussa Sonne / Mond Goldhandel GmbH
Gold	Do Sung Corporation
Gold	Doduco
Gold	DODUCO Contacts and Refining GmbH
Gold	Dosung metal
Gold	Dowa
Gold	Dowa Kogyo k.k.
Gold	Dowa Metalmine Co. Ltd
Gold	Dowa Metals & Mining Co. Ltd
Gold	DS PRETECH Co., Ltd.
Gold	DSC (Do Sung Corporation)
Gold	Eco-System Recycling Co., Ltd.
Gold	Elemetal Refining, LLC
Gold	Emirates Gold DMCC
Gold	Federal State Unitary Enterprise Moscow Special Process
Gold	Fidelity Printers and Refiners Ltd.
Gold	FSE Novosibirsk Refinery
Gold	Fujian Zijin mining stock company gold smelter
Gold	GCC Gujrat Gold Centre Pvt. Ltd.
Gold	Geib Refining Corporation
Gold	Gold Mining in Shandong (Laizhou) Limited Company
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.
Gold	Great Wall Precious Metals Co., LTD.
Gold	Great Wall Precious Metals Co., Ltd. of CBPM
Gold	Guangdong Gaoyao Co
Gold	Guangdong Jinding Gold Limited
Gold	Gujarat Gold Centre
Gold	Guoda Safina High-Tech Environmental Refinery Co.,
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.
Gold	HeeSung Metal Ltd.
Gold	Heimerle + Meule GmbH
Gold	Henan Zhongyuan Gold Refinery Co., Ltd.
Gold	Henan Zhongyuan Gold Smelter of Zhongjin Gold Co.
Gold	Henan Zhongyuan Gold Smelter of Zhongjin Gold Corp
Gold	Heraeus Ltd. Hong Kong

Gold	Heraeus Metals Hong Kong Ltd.
Gold	Heraeus Precious Metals GmbH & Co. KG
Gold	Hunan Chenzhou Mining Co., Ltd.
Gold	Hunan Chenzhou Mining Group Co., Ltd.
Gold	Hunan Chenzhou Mining Industry Co. Ltd.
Gold	HwaSeong CJ CO., LTD.
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Shar
Gold	Ishifuku Metal Industry Co., Ltd.
Gold	Istanbul Gold Refinery
Gold	Italpreziosi
Gold	Japan Mint
Gold	JCC
Gold	Jiangxi Copper Co., Ltd.
Gold	Johnson Matthey Canada
Gold	Johnson Matthey Inc.
Gold	Johnson Matthey Inc. (USA)
Gold	Johnson Matthey Limited
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant
Gold	JSC Uralelectromed
Gold	JX Nippon Mining & Metals Co., Ltd.
Gold	Kaloti Precious Metals
Gold	Kazakhmys Smelting LLC
Gold	Kazzinc
Gold	Kennecott Utah Copper LLC
Gold	KGHM Polska Miedz S.A.
Gold	KGHM Polska Miedz Spolka Akcyjna
Gold	KGHM Polska Miedz Spółka Akcyjna
Gold	Kojima Chemicals Co., Ltd.
Gold	Kojima Kagaku Yakuhin Co., Ltd
Gold	Kombinat Gorniczo Hutniczy Miedz Polska Miedz S.A.
Gold	Korea Zinc Co., Ltd.
Gold	KUC
Gold	Kyrgyzaltyn JSC
Gold	Kyshtym Copper-Electrolytic Plant ZAO
Gold	La Caridad
Gold	LAIZHOU SHANDONG
Gold	L'azurde Company For Jewelry
Gold	LinBao Gold Mining
Gold	Lingbao Gold Co., Ltd.
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.
Gold	L'Orfebre S.A.
Gold	LS-NIKKO Copper Inc.
Gold	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.
Gold	Luoyang Zijin Yinhui Gold Smelting
Gold	Luoyang Zijin Yinhui Metal Smelt Co Ltd
Gold	Marsam Metals
Gold	Materion
Gold	Matsuda Sangyo Co., Ltd.
Gold	MEM(Sumitomo Group)

Gold	Metalúrgica Met-Mex Peñoles, S.A. de C.V
Gold	Metallurgie Hoboken Overpelt
Gold	Metalor Switzerland
Gold	Metalor Technologies (Hong Kong) Ltd.
Gold	Metalor Technologies (Singapore) Pte., Ltd.
Gold	Metalor Technologies (Suzhou) Ltd.
Gold	Metalor Technologies S.A.
Gold	Metalor USA Refining Corporation
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.
Gold	Metalúrgica Met-Mex Peñoles S.A. De C.V.
Gold	Met-Mex Peñoles, S.A.
Gold	Met-Mex Penoles, S.A.
Gold	Mitsubishi Materials Corporation
Gold	Mitsui Kinzoku Co., Ltd.
Gold	Mitsui Mining and Smelting Co., Ltd.
Gold	MMTC-PAMP India Pvt., Ltd.
Gold	Modeltech Sdn Bhd
Gold	Morris and Watson
Gold	Morris and Watson Gold Coast
Gold	Moscow Special Alloys Processing Plant
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.
Gold	Nadir Metal Rafineri San. Ve Tic. A.Ş.
Gold	Navoi Mining and Metallurgical Combinat
Gold	NH Recytech Company
Gold	Nihon Material Co., Ltd.
Gold	Niihama Toyo Smelter & Refinery
Gold	Norddeutsche Affinerie AG
Gold	Ogussa Österreichische Gold- und Silber-Scheideanstalt
Gold	Ögussa Österreichische Gold- und Silber-Scheideanstalt
Gold	Ohio Precious Metals, LLC
Gold	Ohura Precious Metal Industry Co., Ltd.
Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals P
Gold	OJSC Krastsvetmet
Gold	OJSC Novosibirsk Refinery
Gold	OPM
Gold	PAMP S.A.
Gold	Pan Pacific Copper Co Ltd.
Gold	Pease & Curren
Gold	Penglai Penggang Gold Industry Co., Ltd.
Gold	Perth Mint
Gold	Perth Mint (ANZ)
Gold	Planta Recuperadora de Metales SpA
Gold	Prioksky Plant of Non-Ferrous Metals
Gold	Produits Artistiques de Métaux
Gold	PT Aneka Tambang (Persero) Tbk
Gold	PX Precinox S.A.
Gold	PX Précinox S.A.
Gold	Rand Refinery (Pty) Ltd.
Gold	Refinery LS-Nikko Copper Inc.

Gold	Refinery of Seemine Gold Co., Ltd.
Gold	Remondis Argentia B.V.
Gold	Republic Metals Corporation
Gold	Royal Canadian Mint
Gold	SAAMP
Gold	Sabin Metal Corp.
Gold	Safimet S.p.A
Gold	SAFINA A.S.
Gold	Saganoseki Smelter & Refinery
Gold	Sai Refinery
Gold	Samdok Metal
Gold	Samduck Precious Metals
Gold	Samwon Metals Corp.
Gold	SAXONIA Edelmetalle GmbH
Gold	Schone Edelmetaal B.V.
Gold	SD (Samdok) Metal
Gold	SEMPSA Joyeria Plateria S.A.
Gold	SEMPSA Joyería Platería S.A.
Gold	Sempsa JP (Cookson Sempsa)
Gold	Shandong Gold Mine(Laizhou) Smelter Co., Ltd.
Gold	Shandong Guoda Gold Co., Ltd.
Gold	Shandong middlings JinYe group Co., LTD
Gold	Shandong Tarzan Bio-Gold Industry Co., Ltd.
Gold	Shandong Tiancheng Biological Gold Industrial Co., Lt
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Gold	Shangdong Gold (Laizhou)
Gold	Shonan Plant Tanaka Kikinzoku
Gold	Shyolkovsky
Gold	Sichuan Tianze Precious Metals Co., Ltd.
Gold	Singapore Tanaka
Gold	Singway Technology Co., Ltd.
Gold	SMM
Gold	So Accurate Group, Inc.
Gold	SOE Shyolkovsky Factory of Secondary Precious Meta
Gold	Solar Applied Materials Technology Corp.
Gold	SOLAR CHEMICALAPPLIED MATERIALS TECHNOLOGY
Gold	Solartech
Gold	State Research Institute Center for Physical Sciences
Gold	Sudan Gold Refinery
Gold	Sumitomo Kinzoku Kozan K.K.
Gold	Sumitomo Metal Mining Co., Ltd.
Gold	SungEel HiMetal Co., Ltd.
Gold	SungEel HiTech
Gold	T.C.A S.p.A
Gold	Takehara Refinery
Gold	Tamano Smelter
Gold	Tanaka Denshi Kogyo K.K
Gold	Tanaka Electronics (Hong Kong) Pte. Ltd.
Gold	TANAKA Electronics (Malaysia) SDN. BHD.

Gold	Tanaka Electronics (Singapore) Pte. Ltd.
Gold	Tanaka Kikinzoku International
Gold	Tanaka Kikinzoku Kogyo K.K
Gold	Tanaka Kikinzoku Kogyo K.K.
Gold	Tanaka Precious Metals
Gold	The Great Wall Gold and Silver Refinery of China
Gold	The Perth Mint
Gold	The Refinery of Shandong Gold Mining Co., Ltd.
Gold	Tokuriki Honten Co., Ltd.
Gold	Tongling Nonferrous Metals Group Co., Ltd.
Gold	TongLing Nonferrous Metals Group Holdings Co., Ltd.
Gold	Tony Goetz NV
Gold	TOO Tau-Ken-Altyn
Gold	Torecom
Gold	Toyo Smelter & Refinery
Gold	Umicore Brasil Ltda.
Gold	Umicore Precious Metals Refining Hoboken
Gold	Umicore Precious Metals Thailand
Gold	Umicore S.A. Business Unit Precious Metals Refining
Gold	United Precious Metal Refining, Inc.
Gold	Universal Precious Metals Refining Zambia
Gold	Valcambi S.A.
Gold	Western Australian Mint (T/a The Perth Mint)
Gold	WIELAND Edelmetalle GmbH
Gold	Williams Advanced Materials
Gold	Xstrata
Gold	Yamakin Co., Ltd.
Gold	Yamamoto Precious Co., Ltd.
Gold	Yamamoto Precious Metal Co., Ltd.
Gold	Yamamoto Precision Metals
Gold	Yantai NUS Safina tech environmental Refinery Co. Lt
Gold	Yokohama Metal Co., Ltd.
Gold	Yunnan Copper Industry Co., Ltd.
Gold	Zhao Jin Mining Industry Co Ltd
Gold	Zhao Yuan Gold Mine
Gold	Zhao Yuan Gold Smelter of ZhongJin
Gold	Zhao Yuan Jin Kuang
Gold	Zhaojin Mining Industry Co., Ltd.
Gold	zhaojinjinyinyelian
Gold	Zhaoyuan Gold Group
Gold	Zhongjin Gold Corporation Limited
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporatio
Gold	Zijin Kuang Ye Refinery
Gold	Zijin Mining Industry Corporation
Gold	Smelter not listed
Gold	Smelter not yet identified
Tantalum	Asaka Riken Co., Ltd.
Tantalum	Changsha South Tantalum Niobium Co., Ltd.
Tantalum	Changsha Southern

Tantalum Conghua Tantalum and Niobium Smeltry
Tantalum D Block Metals, LLC
Tantalum Douluoshan Sapphire Rare Metal Co Ltd
Tantalum Duoluoshan
Tantalum Exotech Inc.
Tantalum F & X
Tantalum F&X Electro-Materials Ltd.
Tantalum FIR Metals & Resource Ltd.
Tantalum Global Advanced Metals Aizu
Tantalum Global Advanced Metals Boyertown
Tantalum Guangdong Rising Rare Metals-EO Materials Ltd.
Tantalum Guangdong Zhiyuan New Material Co., Ltd.
Tantalum H.C. Starck Co., Ltd.
Tantalum H.C. Starck Hermsdorf GmbH
Tantalum H.C. Starck Inc.
Tantalum H.C. Starck Ltd.
Tantalum H.C. Starck Smelting GmbH & Co. KG
Tantalum H.C. Starck Tantalum and Niobium GmbH
Tantalum Hengyang King Xing Lifeng New Materials Co., Ltd.
Tantalum Jiangxi Dinghai Tantalum & Niobium Co., Ltd.
Tantalum Jiangxi Tuohong New Raw Material
Tantalum Jiujiang Janny New Material Co., Ltd.
Tantalum JiuJiang JinXin Nonferrous Metals Co., Ltd.
Tantalum Jiujiang Nonferrous Metals Smelting Company Limited
Tantalum Jiujiang Tanbre Co., Ltd.
Tantalum Jiujiang Zhongao Tantalum & Niobium Co., Ltd.
Tantalum KEMET Blue Metals
Tantalum KEMET Blue Powder
Tantalum King-Tan Tantalum Industry Ltd.
Tantalum LSM Brasil S.A.
Tantalum Metallurgical Products India Pvt. Ltd. (MPIL)
Tantalum Metallurgical Products India Pvt., Ltd.
Tantalum Mineracao Taboca S.A.
Tantalum Mineração Taboca S.A.
Tantalum Mineracao Taboca SA
Tantalum Mitsui Mining & Smelting
Tantalum Mitsui Mining and Smelting Co., Ltd.
Tantalum Molycorp Silmet A.S.
Tantalum Ningxia Orient Tantalum Industry Co., Ltd.
Tantalum NPM Silmet AS
Tantalum Power Resources Ltd.
Tantalum QuantumClean
Tantalum Resind Ind e Com Ltda.
Tantalum Resind Industria e Comercio Ltda.
Tantalum Resind Indústria e Comércio Ltda.
Tantalum RFH
Tantalum RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Ta
Tantalum RFH Tantalum Smeltry Co., Ltd.
Tantalum Solikamsk

Tantalum	Solikamsk Magnesium Works OAO
Tantalum	Solikamsk Metal Works
Tantalum	Taki Chemical Co., Ltd.
Tantalum	Taki Chemicals
Tantalum	Telex Metals
Tantalum	ULBA
Tantalum	Ulba Metallurgical Plant JSC
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.
Tantalum	Yanling Jincheng Tantalum Co., Ltd.
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.
Tantalum	Yichun Jin Yang Rare Metal Co., Ltd.
Tantalum	Zhaoqing Duoluoshan Non-ferrous Metals Co.,Ltd
Tantalum	Smelter not listed
Tantalum	Smelter not yet identified
Tin	Alent plc
Tin	Alpha
Tin	Alpha Metals
Tin	Alpha Metals Korea Ltd.
Tin	Alpha Metals Taiwan
Tin	An Vinh Joint Stock Mineral Processing Company
Tin	Brand IMLI
Tin	Brand RBT
Tin	Chengfeng Metals Co Pte Ltd
Tin	Chenzhou Yun Xiang mining limited liability company
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.
Tin	China Rare Metal Material Co., Ltd.
Tin	China Tin (Hechi)
Tin	China Tin Group Co., Ltd.
Tin	China Tin Lai Ben Smelter Co., Ltd.
Tin	China Yunnan Tin Co Ltd.
Tin	CNMC (Guangxi) PGMA Co., Ltd.
Tin	Cookson
Tin	Cookson (Alpha Metals Taiwan)
Tin	Cookson Alpha Metals (Shenzhen) Co., Ltd.
Tin	CV Ayi Jaya
Tin	CV Dua Sekawan
Tin	CV Gita Pesona
Tin	CV Nurjanah
Tin	CV Serumpun Sebalai
Tin	CV Tiga Sekawan
Tin	CV United Smelting
Tin	CV Venus Inti Perkasa
Tin	Dowa
Tin	Dowa Metaltech Co., Ltd.
Tin	Electro-Mechanical Facility of the Cao Bang Minerals &
Tin	EM Vinto
Tin	Empresa Metalúrgica Vinto
Tin	Empresa Nacional de Fundiciones (ENAF)

Tin ENAF
Tin Estanho de Rondonia S.A.
Tin Estanho de Rondônia S.A.
Tin Fenix Metals
Tin Funsur Smelter
Tin Gejiu City Datun Chengfeng Smelter
Tin Gejiu Fengming Metallurgy Chemical Plant
Tin Gejiu Jinye Mineral Company
Tin Gejiu Kai Meng Industry and Trade LLC
Tin Gejiu Non-Ferrous Metal Processing Co., Ltd.
Tin Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.
Tin Gejiu Zi-Li
Tin Gejiu Zili Mining And Metallurgy Co., Ltd.
Tin Guang Xi Liu Xhou
Tin Guang Xi Liu Zhou
Tin Guangdong Hanhe Non-Ferrous Metal Co., Ltd.
Tin GuangXi China Tin
Tin Guangxi Hua Shu Dan CO., LTD.
Tin Guangxi Pinggui PGMA Co. Ltd.
Tin Guanyang Guida Nonferrous Metal Smelting Plant
Tin HuiChang Hill Tin Industry Co., Ltd.
Tin Huichang Jinshunda Tin Co., Ltd.
Tin Huichang Shun Tin Kam Industries, Ltd.
Tin INDONESIAN STATE TIN CORPORATION MENTOK SME
Tin Indra Eramulti Logam
Tin Jiangxi Ketai Advanced Material Co., Ltd.
Tin Jiangxi Nanshan
Tin Jiangxi Shunda Huichang Kam Tin Co., Ltd.
Tin Kai Union Industry and Trade Co., Ltd. (China)
Tin Kai Unita Trade Limited Liability Company
Tin Kundur Smelter
Tin Liuzhhou China Tin
Tin Magnu's Minerais Metais e Ligas Ltda.
Tin Malaysia Smelting Corporation (MSC)
Tin Melt Metais e Ligas S.A.
Tin Mentok Smelter
Tin Metallic Materials Branch of Guangxi China Tin Group
Tin Metallic Resources, Inc.
Tin Metallo Belgium N.V.
Tin Metallo Spain S.L.U.
Tin Mineracao Taboca S.A.
Tin Mineração Taboca S.A.
Tin Mineracao Taboca SA
Tin Minsur
Tin Mitsubishi Materials Corporation
Tin Modeltech Sdn Bhd
Tin MSC
Tin Nankang Nanshan Tin Manufactory Co., Ltd.
Tin Nanshan Tin Co. Ltd.

Tin Nghe Tinh Non-Ferrous Metals Joint Stock Company
Tin O.M. Manufacturing (Thailand) Co., Ltd.
Tin O.M. Manufacturing Philippines, Inc.
Tin OMSA
Tin Operaciones Metalurgical S.A.
Tin PGMA
Tin Pongpipat Company Limited
Tin PT Aries Kencana Sejahtera
Tin PT Artha Cipta Langgeng
Tin PT ATD Makmur Mandiri Jaya
Tin PT Babel Inti Perkasa
Tin PT Bangka Prima Tin
Tin PT Bangka Serumpun
Tin PT Bangka Tin Industry
Tin PT Belitung Industri Sejahtera
Tin PT Bukit Timah
Tin PT DS Jaya Abadi
Tin PT Eunindo Usaha Mandiri
Tin PT Indora Ermulti
Tin PT Indra Eramult Logam Industri
Tin PT Inti Stania Prima
Tin PT Karimun Mining
Tin PT Kijang Jaya Mandiri
Tin PT Lautan Harmonis Sejahtera
Tin PT Menara Cipta Mulia
Tin PT Mitra Stania Prima
Tin PT O.M. Indonesia
Tin PT Panca Mega Persada
Tin PT Prima Timah Utama
Tin PT Refined Bangka Tin
Tin PT Sariwiguna Binasentosa
Tin PT Stanindo Inti Perkasa
Tin PT Sukses Inti Makmur
Tin PT Sumber Jaya Indah
Tin PT Tambang Timah
Tin PT Timah (Persero) Tbk Kundur
Tin PT Timah (Persero) Tbk Mentok
Tin PT Tinindo Inter Nusa
Tin PT Tommy Utama
Tin Resind Ind e Com Ltda.
Tin Resind Industria e Comercio Ltda.
Tin Resind Indústria e Comércio Ltda.
Tin Rui Da Hung
Tin Shunda Huichang Kam Tin Co., Ltd.
Tin Smelting Branch of Yunnan Tin Company Ltd
Tin Soft Metais Ltda.
Tin Super Ligas
Tin Thai Solder Industry Corp., Ltd.
Tin Thailand Smelting & Refining Co Ltd

Tin	Thaisarco
Tin	The Gejiu cloud new colored electrolytic
Tin	Tin Products Manufacturing Co.LTD. of YTCL
Tin	Toboca/ Paranapenema
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Compan
Tin	Unit Timah Kundur PT Tambang
Tin	White Solder Metalurgia e Mineracao Ltda.
Tin	White Solder Metalurgia e MineraçãO Ltda.
Tin	White Solder Metalurgica
Tin	XiHai - Liuzhou China Tin Group Co ltd
Tin	YTCL
Tin	Yunan Gejiu Yunxin Electrolyze Limited
Tin	Yunnan Adventure Co., Ltd.
Tin	Yunnan Chengfeng
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.
Tin	Yunnan Gejiu Zili Metallurgy Co. Ltd.
Tin	YunNan Gejiu Yunxin Electrolyze Limited
Tin	Yunnan ride non-ferrous metal co., LTD
Tin	Yunnan Tin Company Limited
Tin	Yunnan Tin Company, Ltd.
Tin	Yunnan wind Nonferrous Metals Co., Ltd.
Tin	Yunnan Xi YE
Tin	Yuntinic Resources
Tin	YUNXIN colored electrolysis Company Limited
Tin	Smelter not listed
Tin	Smelter not yet identified
Tungsten	A.L.M.T. TUNGSTEN Corp.
Tungsten	ACL Metais Eireli
Tungsten	Allied Material Corporation
Tungsten	ALMT Corp
Tungsten	ALMT Sumitomo Group
Tungsten	Asia Tungsten Products Vietnam Ltd.
Tungsten	ATI Metalworking Products
Tungsten	ATI Tungsten Materials
Tungsten	Chaozhou Xianglu Tungsten Industry Co., Ltd.
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.
Tungsten	China National Non Ferrous
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.
Tungsten	Fujian Jinxin Tungsten Co., Ltd.
Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.
Tungsten	Ganzhou Yatai Tungsten Co., Ltd.
Tungsten	Global Tungsten & Powders Corp.
Tungsten	GTP
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.
Tungsten	H.C. Starck Smelting GmbH & Co. KG
Tungsten	H.C. Starck Tungsten GmbH

Tungsten Han River Pelican State Alloy Co., Ltd.
Tungsten Human Chun-Chang non-ferrous Smelting & Concentr
Tungsten Hunan Chenzhou Mining Co., Ltd.
Tungsten Hunan Chenzhou Mining Group Co., Ltd.
Tungsten Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji
Tungsten Hunan Chunchang Nonferrous Metals Co., Ltd.
Tungsten Hunan Litian Tungsten Industry Co., Ltd.
Tungsten Hydrometallurg, JSC
Tungsten Japan New Metals Co., Ltd.
Tungsten Jiangwu H.C. Starck Tungsten Products Co., Ltd.
Tungsten Jiangxi Dayu Longxintai Tungsten Co., Ltd.
Tungsten Jiangxi Gan Bei Tungsten Co., Ltd.
Tungsten Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd
Tungsten Jiangxi Tonggu Non-ferrous Metallurgical & Chemical (C
Tungsten Jiangxi Tungsten Co Ltd
Tungsten Jiangxi Tungsten Industry Group Co. Ltd.
Tungsten Jiangxi Xinsheng Tungsten Industry Co., Ltd.
Tungsten Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.
Tungsten Jiangxi Yaosheng Tungsten Co., Ltd.
Tungsten Kennametal Fallon
Tungsten Kennametal Huntsville
Tungsten Malipo Haiyu Tungsten Co., Ltd.
Tungsten Moliren Ltd.
Tungsten Niagara Refining LLC
Tungsten Nui Phao H.C. Starck Tungsten Chemicals Manufacturi
Tungsten Philippine Chuangxin Industrial Co., Inc.
Tungsten Shaoguan Xinhai Rendan Tungsten Industry Co. Ltd
Tungsten South-East Nonferrous Metal Company Limited of Hen
Tungsten Tejing (Vietnam) Tungsten Co., Ltd.
Tungsten Unecha Refractory metals plant
Tungsten Vietnam Youngsun Tungsten Industry Co., Ltd.
Tungsten WBH
Tungsten WBH,Wolfram [Austria]
Tungsten Wolfram Bergbau und Hutten AG
Tungsten Wolfram Bergbau und Hütten AG
Tungsten Woltech Korea Co., Ltd.
Tungsten Xiamen H.C.
Tungsten Xiamen Tungsten (H.C.) Co., Ltd.
Tungsten Xiamen Tungsten Co., Ltd.
Tungsten Xinfeng Huarui Tungsten & Molybdenum New Material
Tungsten Xinhai Rendan Shaoguan Tungsten Co., Ltd.
Tungsten Zhangyuan Tungsten Co Ltd
Tungsten Smelter not listed
Tungsten Smelter not yet identified

information as of this templates release. This list is updated frequently, and the
1/exports/cmrt-export/. The presence of a smelter here is NOT a guarantee that

· the most current and accurate list of standard smelter names that are Active or

:ommonly recognized and reported by the supply chain for a particular smelter. T
ndard Smelter Name, the reference names are helpful to identify the smelter, wh

ASCII character set. The majority of smelters will have the same entry for both c

Standard Smelter Names

Abington Reldan Metals, LLC
So Accurate Group, Inc.
Advanced Chemical Company
African Gold Refinery
Western Australian Mint (T/a The Perth Mint)
Western Australian Mint (T/a The Perth Mint)
Aida Chemical Industries Co., Ltd.
Al Etihad Gold LLC
Al Etihad Gold LLC
Allgemeine Gold-und Silberscheideanstalt A.G.
Almalyk Mining and Metallurgical Complex (AMMC)
Asahi Pretec Corp.
AngloGold Ashanti Corrego do Sitio Mineracao
AngloGold Ashanti Corrego do Sitio Mineracao
AngloGold Ashanti Corrego do Sitio Mineracao
Tongling Nonferrous Metals Group Co., Ltd.
Western Australian Mint (T/a The Perth Mint)
Argor-Heraeus S.A.
Asahi Pretec Corp.
Asahi Refining Canada Ltd.
Asahi Refining USA Inc.
Asaka Riken Co., Ltd.
Atasay Kuyumculuk Sanayi Ve Ticaret A.S.
Atasay Kuyumculuk Sanayi Ve Ticaret A.S.
AU Traders and Refiners
Aurubis AG
Bangalore Refinery
Bangalore Refinery
Bangalore Refinery
Bangko Sentral ng Pilipinas (Central Bank of the Philippines)
Boliden AB
C. Hafner GmbH + Co. KG
Caridad
CCR Refinery - Glencore Canada Corporation

CCR Refinery - Glencore Canada Corporation
Cendres + Metaux S.A.
Cendres + Metaux S.A.
Cendres + Metaux S.A.
Bangko Sentral ng Pilipinas (Central Bank of the Philippines)
Yunnan Copper Industry Co., Ltd.
Chimet S.p.A.
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
The Refinery of Shandong Gold Mining Co., Ltd.
Chugai Mining
Daejin Indus Co., Ltd.
Daejin Indus Co., Ltd.
Daye Non-Ferrous Metals Mining Ltd.
Degussa Sonne / Mond Goldhandel GmbH
Degussa Sonne / Mond Goldhandel GmbH
DSC (Do Sung Corporation)
DODUCO Contacts and Refining GmbH
DODUCO Contacts and Refining GmbH
DSC (Do Sung Corporation)
Dowa
Dowa
Dowa
Dowa
DS PRETECH Co., Ltd.
DSC (Do Sung Corporation)
Eco-System Recycling Co., Ltd.
Elemetal Refining, LLC
Emirates Gold DMCC
Moscow Special Alloys Processing Plant
Fidelity Printers and Refiners Ltd.
OJSC Novosibirsk Refinery
Gold Refinery of Zijin Mining Group Co., Ltd.
GCC Gujrat Gold Centre Pvt. Ltd.
Geib Refining Corporation
The Refinery of Shandong Gold Mining Co., Ltd.
Gold Refinery of Zijin Mining Group Co., Ltd.
Great Wall Precious Metals Co., Ltd. of CBPM
Great Wall Precious Metals Co., Ltd. of CBPM
Guangdong Jinding Gold Limited
Guangdong Jinding Gold Limited
GCC Gujrat Gold Centre Pvt. Ltd.
Guoda Safina High-Tech Environmental Refinery Co., Ltd.
Hangzhou Fuchunjiang Smelting Co., Ltd.
HeeSung Metal Ltd.
Heimerle + Meule GmbH
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Heraeus Metals Hong Kong Ltd.

Heraeus Metals Hong Kong Ltd.
Heraeus Precious Metals GmbH & Co. KG
Hunan Chenzhou Mining Co., Ltd.
Hunan Chenzhou Mining Co., Ltd.
Hunan Chenzhou Mining Co., Ltd.
HwaSeong CJ CO., LTD.
Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.
Ishifuku Metal Industry Co., Ltd.
Istanbul Gold Refinery
Italpreziosi
Japan Mint
Jiangxi Copper Co., Ltd.
Jiangxi Copper Co., Ltd.
Asahi Refining Canada Ltd.
Asahi Refining USA Inc.
Asahi Refining USA Inc.
Asahi Refining Canada Ltd.
JSC Ekaterinburg Non-Ferrous Metal Processing Plant
JSC Uralelectromed
JX Nippon Mining & Metals Co., Ltd.
Kaloti Precious Metals
Kazakhmys Smelting LLC
Kazzinc
Kennecott Utah Copper LLC
KGHM Polska Miedz Spolka Akcyjna
KGHM Polska Miedz Spolka Akcyjna
KGHM Polska Miedz Spolka Akcyjna
Kojima Chemicals Co., Ltd.
Kojima Chemicals Co., Ltd.
KGHM Polska Miedz Spolka Akcyjna
Korea Zinc Co., Ltd.
Kennecott Utah Copper LLC
Kyrgyzaltyn JSC
Kyshtym Copper-Electrolytic Plant ZAO
Caridad
The Refinery of Shandong Gold Mining Co., Ltd.
L'azurde Company For Jewelry
Lingbao Gold Co., Ltd.
Lingbao Gold Co., Ltd.
Lingbao Jinyuan Tonghui Refinery Co., Ltd.
L'Orfebvre S.A.
LS-NIKKO Copper Inc.
Luoyang Zijin Yinhui Gold Refinery Co., Ltd.
Luoyang Zijin Yinhui Gold Refinery Co., Ltd.
Luoyang Zijin Yinhui Gold Refinery Co., Ltd.
Marsam Metals
Materion
Matsuda Sangyo Co., Ltd.
Sumitomo Metal Mining Co., Ltd.

Metalurgica Met-Mex Penoles S.A. De C.V.
Umicore S.A. Business Unit Precious Metals Refining
Metalor Technologies S.A.
Metalor Technologies (Hong Kong) Ltd.
Metalor Technologies (Singapore) Pte., Ltd.
Metalor Technologies (Suzhou) Ltd.
Metalor Technologies S.A.
Metalor USA Refining Corporation
Metalurgica Met-Mex Penoles S.A. De C.V.
Metalurgica Met-Mex Penoles S.A. De C.V.
Metalurgica Met-Mex Penoles S.A. De C.V.
Metalurgica Met-Mex Penoles S.A. De C.V.
Mitsubishi Materials Corporation
Mitsui Mining and Smelting Co., Ltd.
Mitsui Mining and Smelting Co., Ltd.
MMTC-PAMP India Pvt., Ltd.
Modeltech Sdn Bhd
Morris and Watson
Morris and Watson Gold Coast
Moscow Special Alloys Processing Plant
Nadir Metal Rafineri San. Ve Tic. A.S.
Nadir Metal Rafineri San. Ve Tic. A.S.
Navoi Mining and Metallurgical Combinat
NH Recytech Company
Nihon Material Co., Ltd.
Sumitomo Metal Mining Co., Ltd.
Aurubis AG
Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH
Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH
Elemetal Refining, LLC
Ohura Precious Metal Industry Co., Ltd.
OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)
OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)
OJSC Novosibirsk Refinery
Elemetal Refining, LLC
PAMP S.A.
JX Nippon Mining & Metals Co., Ltd.
Pease & Curren
Penglai Penggang Gold Industry Co., Ltd.
Western Australian Mint (T/a The Perth Mint)
Western Australian Mint (T/a The Perth Mint)
Planta Recuperadora de Metales SpA
Prioksky Plant of Non-Ferrous Metals
PAMP S.A.
PT Aneka Tambang (Persero) Tbk
PX Precinox S.A.
PX Precinox S.A.
Rand Refinery (Pty) Ltd.
LS-NIKKO Copper Inc.

Refinery of Seemine Gold Co., Ltd.
Remondis Argentia B.V.
Republic Metals Corporation
Royal Canadian Mint
SAAMP
Sabin Metal Corp.
Safimet S.p.A
SAFINA A.S.
JX Nippon Mining & Metals Co., Ltd.
Sai Refinery
Samduck Precious Metals
Samduck Precious Metals
Samwon Metals Corp.
SAXONIA Edelmetalle GmbH
Schone Edelmetaal B.V.
Samduck Precious Metals
SEMPSA Joyeria Plateria S.A.
SEMPSA Joyeria Plateria S.A.
SEMPSA Joyeria Plateria S.A.
The Refinery of Shandong Gold Mining Co., Ltd.
Guoda Safina High-Tech Environmental Refinery Co., Ltd.
The Refinery of Shandong Gold Mining Co., Ltd.
Shandong Tiancheng Biological Gold Industrial Co., Ltd.
Shandong Tiancheng Biological Gold Industrial Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
The Refinery of Shandong Gold Mining Co., Ltd.
Tanaka Kikinzoku Kogyo K.K.
SOE Shyolkovsky Factory of Secondary Precious Metals
Sichuan Tianze Precious Metals Co., Ltd.
Tanaka Kikinzoku Kogyo K.K.
Singway Technology Co., Ltd.
Sumitomo Metal Mining Co., Ltd.
So Accurate Group, Inc.
SOE Shyolkovsky Factory of Secondary Precious Metals
Solar Applied Materials Technology Corp.
Solar Applied Materials Technology Corp.
Solar Applied Materials Technology Corp.
State Research Institute Center for Physical Sciences and Technology
Sudan Gold Refinery
Sumitomo Metal Mining Co., Ltd.
Sumitomo Metal Mining Co., Ltd.
SungEel HiMetal Co., Ltd.
SungEel HiMetal Co., Ltd.
T.C.A S.p.A
Mitsui Mining and Smelting Co., Ltd.
JX Nippon Mining & Metals Co., Ltd.
Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.

Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.
Tanaka Kikinzoku Kogyo K.K.
Great Wall Precious Metals Co., Ltd. of CBPM
Western Australian Mint (T/a The Perth Mint)
The Refinery of Shandong Gold Mining Co., Ltd.
Tokuriki Honten Co., Ltd.
Tongling Nonferrous Metals Group Co., Ltd.
Tongling Nonferrous Metals Group Co., Ltd.
Tony Goetz NV
TOO Tau-Ken-Altyn
Torecom
Sumitomo Metal Mining Co., Ltd.
Umicore Brasil Ltda.
Umicore S.A. Business Unit Precious Metals Refining
Umicore Precious Metals Thailand
Umicore S.A. Business Unit Precious Metals Refining
United Precious Metal Refining, Inc.
Universal Precious Metals Refining Zambia
Valcambi S.A.
Western Australian Mint (T/a The Perth Mint)
WIELAND Edelmetalle GmbH
Materion
CCR Refinery - Glencore Canada Corporation
Yamakin Co., Ltd.
Yamakin Co., Ltd.
Yamakin Co., Ltd.
Yamakin Co., Ltd.
Guoda Safina High-Tech Environmental Refinery Co., Ltd.
Yokohama Metal Co., Ltd.
Yunnan Copper Industry Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Gold Refinery of Zijin Mining Group Co., Ltd.
Gold Refinery of Zijin Mining Group Co., Ltd.

Unknown
Asaka Riken Co., Ltd.
Changsha South Tantalum Niobium Co., Ltd.
Changsha South Tantalum Niobium Co., Ltd.

Guangdong Rising Rare Metals-EO Materials Ltd.
D Block Metals, LLC
Duoluoshan
Duoluoshan
Exotech Inc.
F&X Electro-Materials Ltd.
F&X Electro-Materials Ltd.
FIR Metals & Resource Ltd.
Global Advanced Metals Aizu
Global Advanced Metals Boyertown
Guangdong Rising Rare Metals-EO Materials Ltd.
Guangdong Zhiyuan New Material Co., Ltd.
H.C. Starck Co., Ltd.
H.C. Starck Hermsdorf GmbH
H.C. Starck Inc.
H.C. Starck Ltd.
H.C. Starck Smelting GmbH & Co. KG
H.C. Starck Tantalum and Niobium GmbH
Hengyang King Xing Lifeng New Materials Co., Ltd.
Jiangxi Dinghai Tantalum & Niobium Co., Ltd.
Jiangxi Tuohong New Raw Material
Jiujiang Janny New Material Co., Ltd.
JiuJiang JinXin Nonferrous Metals Co., Ltd.
Jiujiang Nonferrous Metals Smelting Company Limited
Jiujiang Nonferrous Metals Smelting Company Limited
Jiujiang Zhongao Tantalum & Niobium Co., Ltd.
KEMET Blue Metals
KEMET Blue Powder
King-Tan Tantalum Industry Ltd.
LSM Brasil S.A.
Metallurgical Products India Pvt., Ltd.
Metallurgical Products India Pvt., Ltd.
Mineracao Taboca S.A.
Mineracao Taboca S.A.
Mineracao Taboca S.A.
Mitsui Mining and Smelting Co., Ltd.
Mitsui Mining and Smelting Co., Ltd.
NPM Silmet AS
Ningxia Orient Tantalum Industry Co., Ltd.
NPM Silmet AS
Power Resources Ltd.
QuantumClean
Resind Industria e Comercio Ltda.
Resind Industria e Comercio Ltda.
Resind Industria e Comercio Ltda.
RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd
RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd
RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd
Solikamsk Magnesium Works OAO

Solikamsk Magnesium Works OAO
Solikamsk Magnesium Works OAO
Taki Chemical Co., Ltd.
Taki Chemical Co., Ltd.
Telex Metals
Ulba Metallurgical Plant JSC
Ulba Metallurgical Plant JSC
XinXing HaoRong Electronic Material Co., Ltd.
RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd
RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd
Yichun Jin Yang Rare Metal Co., Ltd.
Duoluoshan

Unknown
Alpha
Alpha
Alpha
Alpha
Alpha
An Vinh Joint Stock Mineral Processing Company
PT Bukit Timah
PT Refined Bangka Tin
Yunnan Chengfeng Non-ferrous Metals Co., Ltd.
Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.
Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.
Chifeng Dajingzi Tin Industry Co., Ltd.
Jiangxi Ketai Advanced Material Co., Ltd.
China Tin Group Co., Ltd.
China Tin Group Co., Ltd.
China Tin Group Co., Ltd.
Yunnan Tin Company Limited
CNMC (Guangxi) PGMA Co., Ltd.
Alpha
Alpha
Alpha
CV Ayi Jaya
CV Dua Sekawan
CV Gita Pesona
PT Aries Kencana Sejahtera
CV Serumpun Sebalai
CV Tiga Sekawan
CV United Smelting
CV Venus Inti Perkasa
Dowa
Dowa
Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Co
EM Vinto
EM Vinto
EM Vinto

EM Vinto
Estanho de Rondonia S.A.
Estanho de Rondonia S.A.
Fenix Metals
Minsur
Yunnan Chengfeng Non-ferrous Metals Co., Ltd.
Gejiu Fengming Metallurgy Chemical Plant
Gejiu Jinye Mineral Company
Gejiu Kai Meng Industry and Trade LLC
Gejiu Non-Ferrous Metal Processing Co., Ltd.
Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.
Gejiu Zili Mining And Metallurgy Co., Ltd.
Gejiu Zili Mining And Metallurgy Co., Ltd.
China Tin Group Co., Ltd.
China Tin Group Co., Ltd.
Guangdong Hanhe Non-Ferrous Metal Co., Ltd.
China Tin Group Co., Ltd.
China Tin Group Co., Ltd.
CNMC (Guangxi) PGMA Co., Ltd.
Guanyang Guida Nonferrous Metal Smelting Plant
HuiChang Hill Tin Industry Co., Ltd.
Huichang Jinshunda Tin Co., Ltd.
Huichang Jinshunda Tin Co., Ltd.
PT Timah (Persero) Tbk Mentok
PT Bukit Timah
Jiangxi Ketai Advanced Material Co., Ltd.
Nankang Nanshan Tin Manufactory Co., Ltd.
Huichang Jinshunda Tin Co., Ltd.
Gejiu Kai Meng Industry and Trade LLC
Gejiu Kai Meng Industry and Trade LLC
PT Timah (Persero) Tbk Kundur
China Tin Group Co., Ltd.
Magnu's Minerai's Metais e Ligas Ltda.
Malaysia Smelting Corporation (MSC)
Melt Metais e Ligas S.A.
PT Timah (Persero) Tbk Mentok
China Tin Group Co., Ltd.
Metallic Resources, Inc.
Metallo Belgium N.V.
Metallo Spain S.L.U.
Mineracao Taboca S.A.
Mineracao Taboca S.A.
Mineracao Taboca S.A.
Minsur
Mitsubishi Materials Corporation
Modeltech Sdn Bhd
Malaysia Smelting Corporation (MSC)
Nankang Nanshan Tin Manufactory Co., Ltd.
Nankang Nanshan Tin Manufactory Co., Ltd.

Nghe Tinh Non-Ferrous Metals Joint Stock Company
O.M. Manufacturing (Thailand) Co., Ltd.
O.M. Manufacturing Philippines, Inc.
Operaciones Metalurgical S.A.
Operaciones Metalurgical S.A.
CNMC (Guangxi) PGMA Co., Ltd.
Pongpipat Company Limited
PT Aries Kencana Sejahtera
PT Artha Cipta Langgeng
PT ATD Makmur Mandiri Jaya
PT Babel Inti Perkasa
PT Bangka Prima Tin
PT Bangka Serumpun
PT Bangka Tin Industry
PT Belitung Industri Sejahtera
PT Bukit Timah
PT DS Jaya Abadi
PT Eunindo Usaha Mandiri
PT Bukit Timah
PT Bukit Timah
PT Inti Stania Prima
PT Karimun Mining
PT Kijang Jaya Mandiri
PT Lautan Harmonis Sejahtera
PT Menara Cipta Mulia
PT Mitra Stania Prima
PT O.M. Indonesia
PT Panca Mega Persada
PT Prima Timah Utama
PT Refined Bangka Tin
PT Sariwiguna Binasentosa
PT Stanindo Inti Perkasa
PT Sukses Inti Makmur
PT Sumber Jaya Indah
PT Timah (Persero) Tbk Kundur
PT Timah (Persero) Tbk Kundur
PT Timah (Persero) Tbk Mentok
PT Tinindo Inter Nusa
PT Tommy Utama
Resind Industria e Comercio Ltda.
Resind Industria e Comercio Ltda.
Resind Industria e Comercio Ltda.
Rui Da Hung
Huichang Jinshunda Tin Co., Ltd.
Yunnan Tin Company Limited
Soft Metais Ltda.
Super Ligas
Thaisarco
Thaisarco

Thaisarco

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Yunnan Tin Company Limited

Mineracao Taboca S.A.

Tuyen Quang Non-Ferrous Metals Joint Stock Company

PT Timah (Persero) Tbk Kundur

White Solder Metalurgia e Mineracao Ltda.

White Solder Metalurgia e Mineracao Ltda.

White Solder Metalurgia e Mineracao Ltda.

China Tin Group Co., Ltd.

Yunnan Tin Company Limited

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Gejiu Zili Mining And Metallurgy Co., Ltd.

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Tin Company Limited

Yunnan Tin Company Limited

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Tin Company Limited

Yunnan Tin Company Limited

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Unknown

A.L.M.T. TUNGSTEN Corp.

ACL Metais Eireli

A.L.M.T. TUNGSTEN Corp.

A.L.M.T. TUNGSTEN Corp.

A.L.M.T. TUNGSTEN Corp.

Asia Tungsten Products Vietnam Ltd.

Kennametal Huntsville

Kennametal Huntsville

Guangdong Xianglu Tungsten Co., Ltd.

Chenzhou Diamond Tungsten Products Co., Ltd.

Ganzhou Huaxing Tungsten Products Co., Ltd.

Chongyi Zhangyuan Tungsten Co., Ltd.

Fujian Jinxin Tungsten Co., Ltd.

Ganzhou Haichuang Tungsten Co., Ltd.

Ganzhou Huaxing Tungsten Products Co., Ltd.

Ganzhou Jiangwu Ferrotungsten Co., Ltd.

Ganzhou Seadragon W & Mo Co., Ltd.

Ganzhou Yatai Tungsten Co., Ltd.

Global Tungsten & Powders Corp.

Global Tungsten & Powders Corp.

Guangdong Xianglu Tungsten Co., Ltd.

H.C. Starck Smelting GmbH & Co. KG

H.C. Starck Tungsten GmbH

Ganzhou Jiangwu Ferrotungsten Co., Ltd.
Hunan Chunchang Nonferrous Metals Co., Ltd.
Hunan Chenzhou Mining Co., Ltd.
Hunan Chenzhou Mining Co., Ltd.
Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji
Hunan Chunchang Nonferrous Metals Co., Ltd.
Hunan Litian Tungsten Industry Co., Ltd.
Hydrometallurg, JSC
Japan New Metals Co., Ltd.
Jiangwu H.C. Starck Tungsten Products Co., Ltd.
Jiangxi Dayu Longxintai Tungsten Co., Ltd.
Jiangxi Gan Bei Tungsten Co., Ltd.
Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.
Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.
Ganzhou Huaxing Tungsten Products Co., Ltd.
Ganzhou Huaxing Tungsten Products Co., Ltd.
Jiangxi Xinsheng Tungsten Industry Co., Ltd.
Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.
Jiangxi Yaosheng Tungsten Co., Ltd.
Kennametal Fallon
Kennametal Huntsville
Malipo Haiyu Tungsten Co., Ltd.
Moliren Ltd.
Niagara Refining LLC
Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC
Philippine Chuangxin Industrial Co., Inc.
Xinhai Rendan Shaoguan Tungsten Co., Ltd.
South-East Nonferrous Metal Company Limited of Hengyang City
Tejing (Vietnam) Tungsten Co., Ltd.
Unecha Refractory metals plant
Vietnam Youngsun Tungsten Industry Co., Ltd.
Wolfram Bergbau und Hutten AG
Wolfram Bergbau und Hutten AG
Wolfram Bergbau und Hutten AG
Wolfram Bergbau und Hutten AG
Woltech Korea Co., Ltd.
Xiamen Tungsten (H.C.) Co., Ltd.
Xiamen Tungsten (H.C.) Co., Ltd.
Xiamen Tungsten Co., Ltd.
Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.
Xinhai Rendan Shaoguan Tungsten Co., Ltd.
Chongyi Zhangyuan Tungsten Co., Ltd.

Unknown

most up-to-date version can be found on the CFSI website
it is currently Active or Compliant within the Conflict-Free Smelter Program.

Compliant.

These names may include former company names, alternate names, abbreviations,
which is listed under column C in the Smelter Look-up.

columns, however if the common name varies from the standard name, the

Smelter Facility Location: Country	Smelter ID	Source of Smelter Identification Number	Smelter Street
UNITED STATES OF AMERICA	CID002708	CFSI	
UNITED STATES OF AMERICA	CID001754	CFSI	
UNITED STATES OF AMERICA	CID000015	CFSI	
UGANDA	CID003185	CFSI	
AUSTRALIA	CID002030	CFSI	
AUSTRALIA	CID002030	CFSI	
JAPAN	CID000019	CFSI	
UNITED ARAB EMIRATES	CID002560	CFSI	
UNITED ARAB EMIRATES	CID002560	CFSI	
GERMANY	CID000035	CFSI	
UZBEKISTAN	CID000041	CFSI	
JAPAN	CID000082	CFSI	
BRAZIL	CID000058	CFSI	
BRAZIL	CID000058	CFSI	
BRAZIL	CID000058	CFSI	
CHINA	CID001947	CFSI	
AUSTRALIA	CID002030	CFSI	
SWITZERLAND	CID000077	CFSI	
JAPAN	CID000082	CFSI	
CANADA	CID000924	CFSI	
UNITED STATES OF AMERICA	CID000920	CFSI	
JAPAN	CID000090	CFSI	
TURKEY	CID000103	CFSI	
TURKEY	CID000103	CFSI	
SOUTH AFRICA	CID002850	CFSI	
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PHILIPPINES	CID000128	CFSI	
SWEDEN	CID000157	CFSI	
GERMANY	CID000176	CFSI	
MEXICO	CID000180	CFSI	
CANADA	CID000185	CFSI	

CANADA	CID000185	CFSI
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SWITZERLAND	CID000189	CFSI
PHILIPPINES	CID000128	CFSI
CHINA	CID000197	CFSI
ITALY	CID000233	CFSI
CHINA	CID002224	CFSI
CHINA	CID001916	CFSI
JAPAN	CID000264	CFSI
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KOREA, REPUBLIC OF	CID000328	CFSI
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KOREA, REPUBLIC OF	CID000359	CFSI
JAPAN	CID000425	CFSI
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ZIMBABWE	CID002515	CFSI
RUSSIAN FEDERATION	CID000493	CFSI
CHINA	CID002243	CFSI
INDIA	CID002852	CFSI
UNITED STATES OF AMERICA	CID002459	CFSI
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JAPAN	CID000937	CFSI
INDIA	CID002853	CFSI
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CHINA	CID000760	CFSI
CHINA	CID002180	CFSI
BRAZIL	CID001758	CFSI
BRAZIL	CID002756	CFSI
THAILAND	CID001898	CFSI
THAILAND	CID001898	CFSI

THAILAND	CID001898	CFSI
CHINA	CID001908	CFSI
CHINA	CID002180	CFSI
BRAZIL	CID001173	CFSI
VIET NAM	CID002574	CFSI
INDONESIA	CID001477	CFSI
BRAZIL	CID002036	CFSI
BRAZIL	CID002036	CFSI
BRAZIL	CID002036	CFSI
CHINA	CID001070	CFSI
CHINA	CID002180	CFSI
CHINA	CID001908	CFSI
CHINA	CID002158	CFSI
CHINA	CID002158	CFSI
CHINA	CID002158	CFSI
CHINA	CID000555	CFSI
CHINA	CID001908	CFSI
CHINA	CID002158	CFSI
CHINA	CID002180	CFSI
CHINA	CID002180	CFSI
CHINA	CID002158	CFSI
CHINA	CID002180	CFSI
CHINA	CID002180	CFSI
CHINA	CID001908	CFSI

Unknown		
JAPAN	CID000004	CFSI
BRAZIL	CID002833	CFSI
JAPAN	CID000004	CFSI
JAPAN	CID000004	CFSI
JAPAN	CID000004	CFSI
VIET NAM	CID002502	CFSI
UNITED STATES OF AMERICA	CID000105	CFSI
UNITED STATES OF AMERICA	CID000105	CFSI
CHINA	CID000218	CFSI
CHINA	CID002513	CFSI
CHINA	CID000875	CFSI
CHINA	CID000258	CFSI
CHINA	CID000499	CFSI
CHINA	CID002645	CFSI
CHINA	CID000875	CFSI
CHINA	CID002315	CFSI
CHINA	CID002494	CFSI
CHINA	CID002536	CFSI
UNITED STATES OF AMERICA	CID000568	CFSI
UNITED STATES OF AMERICA	CID000568	CFSI
CHINA	CID000218	CFSI
GERMANY	CID002542	CFSI
GERMANY	CID002541	CFSI

CHINA	CID002315	CFSI
CHINA	CID000769	CFSI
CHINA	CID000766	CFSI
CHINA	CID000766	CFSI
CHINA	CID002579	CFSI
CHINA	CID000769	CFSI
CHINA	CID003182	CFSI
RUSSIAN FEDERATION	CID002649	CFSI
JAPAN	CID000825	CFSI
CHINA	CID002551	CFSI
CHINA	CID002647	CFSI
CHINA	CID002321	CFSI
CHINA	CID002313	CFSI
CHINA	CID002318	CFSI
CHINA	CID000875	CFSI
CHINA	CID000875	CFSI
CHINA	CID002317	CFSI
CHINA	CID002535	CFSI
CHINA	CID002316	CFSI
UNITED STATES OF AMERICA	CID000966	CFSI
UNITED STATES OF AMERICA	CID000105	CFSI
CHINA	CID002319	CFSI
RUSSIAN FEDERATION	CID002845	CFSI
UNITED STATES OF AMERICA	CID002589	CFSI
VIET NAM	CID002543	CFSI
PHILIPPINES	CID002827	CFSI
CHINA	CID002095	CFSI
CHINA	CID002815	CFSI
VIET NAM	CID001889	CFSI
RUSSIAN FEDERATION	CID002724	CFSI
VIET NAM	CID002011	CFSI
AUSTRIA	CID002044	CFSI
AUSTRIA	CID002044	CFSI
AUSTRIA	CID002044	CFSI
AUSTRIA	CID002044	CFSI
KOREA, REPUBLIC OF	CID002843	CFSI
CHINA	CID002320	CFSI
CHINA	CID002320	CFSI
CHINA	CID002082	CFSI
CHINA	CID002830	CFSI
CHINA	CID002095	CFSI
CHINA	CID000258	CFSI

Unknown

Smelter City**Smelter Facility Location: State
/ Province**

Fairless Hills	Pennsylvania
Long Island City	New York
Warwick	Rhode Island
Entebbe	Wakiso
Newburn	Western Australia
Newburn	Western Australia
Fuchu	Tokyo
Dubai	Dubayy
Dubai	Dubayy
Pforzheim	Baden-Württemberg
Almalyk	Toshkent
Kobe	Hyogo
Nova Lima	Minas Gerais
Nova Lima	Minas Gerais
Nova Lima	Minas Gerais
Tongling	Anhui
Newburn	Western Australia
Mendrisio	Ticino
Kobe	Hyogo
Brampton	Ontario
Salt Lake City	Utah
Tamura	Fukushima
Istanbul	İstanbul
Istanbul	İstanbul
Johannesburg	Gauteng
Hamburg	Hamburg
Bangalore	Karnataka
Bangalore	Karnataka
Bangalore	Karnataka
Quezon City	Rizal
Skelleftehamn	Västerbottens län [SE-24]
Pforzheim	Baden-Württemberg
Nacozari	Sonora
Montréal	Quebec

Montréal	Quebec
Biel-Bienne	Bern
Biel-Bienne	Bern
Biel-Bienne	Bern
Quezon City	Rizal
Kunming	Yunnan
Arezzo	Toscana
Sanmenxia	Henan
Laizhou	Shandong
Chiyoda	Tokyo
Namdong-gu	Incheon-gwangyeoksi
Namdong-gu	Incheon-gwangyeoksi
Huangshi	Hubei
Pforzheim	Baden-Württemberg
Pforzheim	Baden-Württemberg
Gimpo	Gyeonggi-do
Pforzheim	Baden-Württemberg
Pforzheim	Baden-Württemberg
Gimpo	Gyeonggi-do
Kosaka	Akita
Kosaka	Akita
Kosaka	Akita
Kosaka	Akita
Chopyeong-myeon	Chungcheongbuk-do
Gimpo	Gyeonggi-do
Honjo	Saitama
Jackson	Ohio
Dubai	Dubayy
Obrucheva	Moskovskaja oblast'
Msasa	Harare
Novosibirsk	Novosibirsk oblast'
Shanghang	Fujian
Ahmedabad	Gujarat
Warwick	Rhode Island
Laizhou	Shandong
Shanghang	Fujian
Chengdu	Sichuan
Chengdu	Sichuan
Guangzhou	Guangdong
Guangzhou	Guangdong
Ahmedabad	Gujarat
Zhaoyuan	Shandong
Fuyang	Zhejiang
Seo-gu	Incheon-gwangyeoksi
Pforzheim	Baden-Württemberg
Sanmenxia	Henan
Sanmenxia	Henan
Sanmenxia	Henan
Fanling	Hong Kong

Fanling	Hong Kong
Hanau	Hessen
Yuanling	Hunan
Yuanling	Hunan
Yuanling	Hunan
Danwon	Gyeonggi-do
Hohhot	Nei Mongol
Soka	Saitama
Kuyumcukent	İstanbul
Arezzo	Toscana
Osaka	Osaka
Guixi City	Jiangxi
Guixi City	Jiangxi
Brampton	Ontario
Salt Lake City	Utah
Salt Lake City	Utah
Brampton	Ontario
Verkhnyaya Pyshma	Sverdlovskaya oblast'
Verkhnyaya Pyshma	Sverdlovskaya oblast'
Ōita	Ōita
Dubai	Dubayy
Balkhash	Qaraghandy oblysy
Ust-Kamenogorsk	Qaraghandy oblysy
Magna	Utah
Lubin	Dolnośląskie
Lubin	Dolnośląskie
Lubin	Dolnośląskie
Sayama	Saitama
Sayama	Saitama
Lubin	Dolnośląskie
Gangnam	Seoul-teukbyeolsi
Magna	Utah
Bishkek	Chüy
Kyshtym	Chelyabinskaya oblast'
Nacozari	Sonora
Laizhou	Shandong
Riyadh	Ar Riyāḍ
Lingbao	Henan
Lingbao	Henan
Lingbao	Henan
Andorra la Vella	Andorra la Vella
Onsan-eup	Ulsan-gwangyeoksi
Luoyang	Henan
Luoyang	Henan
Luoyang	Henan
Sao Paulo	São Paulo
Buffalo	New York
Iruma	Saitama
Saijo	Ehime

Torreón	Coahuila de Zaragoza
Hoboken	Antwerpen
Marin	Neuchâtel
Kwai Chung	Hong Kong
Singapore	South West
Suzhou	Jiangsu
Marin	Neuchâtel
North Attleboro	Massachusetts
Torreón	Coahuila de Zaragoza
Torreón	Coahuila de Zaragoza
Torreón	Coahuila de Zaragoza
Torreón	Coahuila de Zaragoza
Naoshima	Kagawa
Takehara	Hiroshima
Takehara	Hiroshima
Mewat	Haryana
Kawasan Perindustrian Bukit Melaka	Melaka
Onehunga	Auckland
Gold Coast	Queensland
Obrucheva	Moscow Region
Bahçelievler	İstanbul
Bahçelievler	İstanbul
Navoi	Navoiy
Pyeongtaek-si	Gyeonggi-do
Noda	Chiba
Saijo	Ehime
Hamburg	Hamburg
Vienna	Wien
Vienna	Wien
Jackson	Ohio
Nara-shi	Nara
Krasnoyarsk	Krasnoyarsk Krai
Krasnoyarsk	Krasnoyarsk Krai
Novosibirsk	Novosibirskaya oblast'
Jackson	Ohio
Castel San Pietro	Ticino
Ôita	Ôita
Warwick	Rhode Island
Penglai	Shandong
Newburn	Western Australia
Newburn	Western Australia
Mejillones	Antofagasta
Kasimov	Ryazanskaya oblast'
Castel San Pietro	Ticino
Jakarta	Jakarta Raya
La Chaux-de-Fonds	Neuchâtel
La Chaux-de-Fonds	Neuchâtel
Germiston	Gauteng
Onsan-eup	Ulsan-gwangyeoksi

Lanzhou	Gansu
Moerdijk	Noord-Brabant
Miami	Florida
Ottawa	Ontario
Paris	Île-de-France
Williston	North Dakota
Arezzo	Toscana
Vestec	Harare
Ôita	Ôita
Parwanoo	Himachal Pradesh
Namdong	Incheon-gwangyeoksi
Namdong	Incheon-gwangyeoksi
Changwon	Gyeongsangnam-do
Halsbrücke	Sachsen
Amsterdam	Noord-Holland
Namdong	Incheon-gwangyeoksi
Madrid	Madrid, Comunidad de
Madrid	Madrid, Comunidad de
Madrid	Madrid, Comunidad de
Laizhou	Shandong
Zhaoyuan	Shandong
Laizhou	Shandong
Laizhou	Shandong
Laizhou	Shandong
Zhaoyuan	Shandong
Laizhou	Shandong
Hiratsuka	Kanagawa
Shyolkovo	Moskovskaja oblast'
Chengdu	Sichuan
Hiratsuka	Kanagawa
Dayuan	Taoyuan
Saijo	Ehime
Long Island City	New York
Shyolkovo	Moskovskaja oblast'
Tainan City	Taiwan
Tainan City	Taiwan
Tainan City	Taiwan
Vilnius	Vilnius
Khartoum	Khartoum
Saijo	Ehime
Saijo	Ehime
Gunsan-si	Jeollabuk-do
Gunsan-si	Jeollabuk-do
Capolona	Toscana
Takehara	Hiroshima
Ôita	Ôita
Hiratsuka	Kanagawa
Hiratsuka	Kanagawa
Hiratsuka	Kanagawa

Hiratsuka	Kanagawa
Hiratsuka	Kanagawa
Hiratsuka	Kanagawa
Hiratsuka	Kanagawa
Hiratsuka	Kanagawa
Chengdu	Sichuan
Newburn	Western Australia
Laizhou	Shandong
Kuki	Saitama
Tongling	Anhui
Tongling	Anhui
Antwerp	Antwerpen
Astana	Almaty
Asan	Chungcheongnam-do
Saijo	Ehime
Guarulhos	São Paulo
Hoboken	Antwerpen
Khwaeng Dok Mai	Krung Thep Maha Nakhon
Hoboken	Antwerpen
Alden	New York
Lusaka	Lusaka
Balerna	Ticino
Newburn	Western Australia
Pforzheim	Baden-Württemberg
Buffalo	New York
Montréal	Quebec
Konan	Kochi
Konan	Kochi
Konan	Kochi
Konan	Kochi
Zhaoyuan	Shandong
Sagamihara	Kanagawa
Kunming	Yunnan
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Zhaoyuan	Shandong
Sanmenxia	Henan
Sanmenxia	Henan
Shanghang	Fujian
Shanghang	Fujian
Tamura	Fukushima
Changsha	Hunan
Changsha	Hunan

Conghua	Guangdong
Gastonia	North Carolina
Sihui City	Guangdong
Sihui City	Guangdong
Pompano Beach	Florida
Jiangmen	Guangdong
Jiangmen	Guangdong
Zhuzhou	Hunan
Aizuwakamatsu	Fukushima
Boyertown	Pennsylvania
Conghua	Guangdong
Yingde	Guangdong
Map Ta Phut	Rayong
Hermsdorf	Thüringen
Newton	Massachusetts
Mito	Ibaraki
Laufenburg	Baden-Württemberg
Goslar	Niedersachsen
Hengyang	Hunan
Fengxin	Jiangxi
Yichun	Jiangxi
Jiujiang	Jiangxi
Jiujiang	Jiangxi
Jiujiang	Jiangxi
Jiujiang	Jiangxi
Jiujiang	Jiangxi
Matamoros	Tamaulipas
Mound House	Nevada
Yifeng	Jiangxi
São João del Rei	Minas Gerais
District Raigad	Maharashtra
District Raigad	Maharashtra
Presidente Figueiredo	Amazonas
Presidente Figueiredo	Amazonas
Presidente Figueiredo	Amazonas
Omuta	Fukuoka
Omuta	Fukuoka
Sillamäe	Ida-Virumaa
Shizuishan City	Ningxia
Sillamäe	Ida-Virumaa
Skopje	Skopje
Fremont	California
São João del Rei	Minas gerais
São João del Rei	Minas gerais
São João del Rei	Minas gerais
Zhuzhou	Hunan
Zhuzhou	Hunan
Zhuzhou	Hunan
Solikamsk	Permskiy kray

Solikamsk
Solikamsk
Harima
Harima
Croydon
Ust-Kamenogorsk
Ust-Kamenogorsk
YunFu City
Zhuzhou
Zhuzhou
Yifeng
Sihui City

Permskiy kray
Permskiy kray
Hyogo
Hyogo
Pennsylvania
Qaraghandy oblysy
Qaraghandy oblysy
Guangdong
Hunan
Hunan
Jiangxi
Guangdong

Altoona
Altoona
Altoona
Altoona
Altoona
Quy Hop
Pangkal Pinang
Sungailiat
Gejiu
Chenzhou
Chenzhou
Chifeng
Yichun
Laibin
Laibin
Laibin
Gejiu
Hezhou
Altoona
Altoona
Altoona
Sungailiat
Pangkal Pinang
Sungailiat
Pemali
Pangkalan
Pangkal Pinang
Pangkal Pinang
Pangkal Pinang
Kosaka
Kosaka
Tinh Tuc
Oruro
Oruro
Oruro

Pennsylvania
Pennsylvania
Pennsylvania
Pennsylvania
Pennsylvania
Nghê An
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Yunnan
Hunan
Hunan
Nei Mongol
Jiangxi
Guangxi
Guangxi
Guangxi
Yunnan
Guangxi
Pennsylvania
Pennsylvania
Pennsylvania
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Kepulauan Bangka Belitung
Akita
Akita
Cao Bằng
Oruro
Oruro
Oruro

Oruro	Oruro
Ariquemes	Rondônia
Ariquemes	Rondônia
Chmielów	Podkarpackie
Paracas	Ika
Gejiu	Yunnan
Gejiu	Yunnan
Jijie	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Laibin	Guangxi
Laibin	Guangxi
Chaozhou	Guangdong
Laibin	Guangxi
Laibin	Guangxi
Hezhou	Guangxi
Guanyang	Guangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Mentok	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Yichun	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Gejiu	Yunnan
Gejiu	Yunnan
Kundur	Riau
Laibin	Guangxi
São João del Rei	Minas Gerais
Butterworth	Pulau Pinang
Ariquemes	Rondônia
Mentok	Kepulauan Bangka Belitung
Laibin	Guangxi
Twinsburg	Ohio
Beerse	Antwerpen
Berango	Bizkaia
Bairro Guarapiranga	São Paulo
Bairro Guarapiranga	São Paulo
Bairro Guarapiranga	São Paulo
Paracas	Ika
Asago	Hyogo
Kawasan Perindustrian Bukit Melaka	Melaka
Butterworth	Pulau Pinang
Ganzhou	Jiangxi
Ganzhou	Jiangxi

Quy Hop	Nghê An
Nongkham Sriracha	Chon Buri
Rosario	Cavite
Oruro	Oruro
Oruro	Oruro
Hezhou	Guangxi
Yangon	Yangon
Pemali	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Lintang	Kepulauan Bangka Belitung
Air Mesu	Kepulauan Bangka Belitung
Pangkalpinang	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Pegantungan	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Karimun	Kepulauan Riau
Pangkal Pinang	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Karimun	Kepulauan Riau
Sungailiat	Kepulauan Bangka Belitung
Pasir Putih	Kepulauan Bangka Belitung
Mentawak	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Bekasi	Jawa Barat
Sungailiat	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Sungailiat	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Sungai Samak	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Kundur	Riau
Kundur	Riau
Mentok	Kepulauan Bangka Belitung
Pangkal Pinang	Kepulauan Bangka Belitung
Sumping Desa Batu Peyu	Kepulauan Bangka Belitung
São João del Rei	Minas gerais
São João del Rei	Minas gerais
São João del Rei	Minas gerais
Longtan Shiang Taoyuang	Taiwan
Ganzhou	Jiangxi
Gejiu	Yunnan
Bebedouro	São Paulo
Piracicaba	São Paulo
Amphur Muang	Phuket
Amphur Muang	Phuket

Amphur Muang	Phuket
Gejiu	Yunnan
Gejiu	Yunnan
Bairro Guarapiranga	São Paulo
Tan Quang	Tuyên Quang
Kundur	Riau
Ariquemes	Rondônia
Ariquemes	Rondônia
Ariquemes	Rondônia
Laibin	Guangxi
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan
Gejiu	Yunnan

Toyama City	Toyama
Araçariguama	São Paulo
Toyama City	Toyama
Toyama City	Toyama
Toyama City	Toyama
Vinh Bao District	Hai Phong
Huntsville	Alabama
Huntsville	Alabama
Chaozhou	Guangdong
Chenzhou	Hunan
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Yanshi	Fujian
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Towanda	Pennsylvania
Towanda	Pennsylvania
Chaozhou	Guangdong
Laufenburg	Baden-Württemberg
Goslar	Niedersachsen

Ganzhou	Jiangxi
Hengyang	Hunan
Yuanling	Hunan
Yuanling	Hunan
Hengyang	Hunan
Hengyang	Hunan
Yiyang	Hunan
Nalchik	Kabardino-Balkarskaya Respublika
Akita City	Akita
Ganzhou	Jiangxi
Huanglong	Jiangxi
Xiushui	Jiangxi
Gao'an	Jiangxi
Tonggu	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Ganzhou	Jiangxi
Xiushui	Jiangxi
Ganzhou	Jiangxi
Fallon	Nevada
Huntsville	Alabama
Nanfeng Xiaozhai	Yunnan
Roshal	Moskovskaja oblast'
Depew	New York
Dai Tu	Thái Nguyên
Marilao	Bulacan
Shaoguan	Guangdong
Hengyang	Hunan
Halong City	Tây Ninh
Unecha	Bryanskaya oblast'
Halong City	Quảng Ninh
St. Martin i-S	Steiermark
St. Martin i-S	Steiermark
St. Martin i-S	Steiermark
St. Martin i-S	Steiermark
Gyeongju-si	Gyeongsangbuk-do
Xiamen	Fujian
Xiamen	Fujian
Xiamen	Fujian
Ganzhou	Jiangxi
Shaoguan	Guangdong
Ganzhou	Jiangxi