



REVISION HISTORY

A change in the first digit of the revision number (e.g., 1.0 to 2.0) signifies a set of major improvements have occurred which will likely include different data reporting requirements. Changes to the first or second decimal place (e.g., "2.01" to "2.02") indicate only minor changes have been made to the template which are not expected to result in substantial changes to the data being reported. The addition of a letter (e.g., "2.01" or "2.01a") following the revision number indicates that only the standard smelter list has been updated from the prior version.

REVISION	OPERATION	RELEASE DATE	DESCRIPTION OF FUNCTIONAL CHANGE	UPDATES TO SMELTER LIST
1	Jared Corrons, I&M	July 16th, 2011	New Release	New
2	Jared Corrons, I&M	Aug 20th, 2012	Major update to functionality including addition of the known smelter list, addition of declaration scope including product tab, and added and modified multiple questions and/or their responses.	New
2.01	Jared Corrons, I&M	Dec 21st, 2012	List of changes to the template functionality: 1. Modified Smelter List tab to prevent smelter names from wrapping text. This was being caused by the hidden formula in column A which allows for a software vendor to easily grab the smelter ID. 2. Changed protection settings on the Smelter List tab to allow users to delete rows. This allows users to delete rows with incorrect entries within the smelter list. Ensured that columns could not be mistakenly deleted in the process. 3. Added "CV/DS - Jaya Abadi" as an alias to "PT Serojono H&P Perkas" (added "Nemac" as an alias to "PT Tansing Temah") 4. Corrected spelling of "Dakusuhar" at "SC-RO03" 5. Corrected spelling of "Mitsubishi Materials Corporation" at "LPM039" 6. Changed "Giga Non-Hemou" to its proper name "Giga Non-Ferrous Metal Processing Co. Ltd" 7. Changed "Mitsubishi Materials" to its proper name "Mitsubishi Materials Corporation" 8. Changed "Nissan" to "Nissan Blue Powder" 9. Added "Nissan Chemicals LTD" as a gold refiner 10. Added "Aida Chemical Industries Co. Ltd" as a gold refiner 11. Added "Rogee Chemical" as a gold refiner 12. Added "Dobri" as a gold refiner 13. Added "Yoshitama Metal Refining Inc." as a gold refiner 14. Added "Yoshitama Metal Co Ltd" as a gold refiner 15. Added "CMC (Guangxi) P&M Co. Ltd" as a tin refiner 16. Added "Gonghua Tantalum and Niobium Smeltery" as a tantalum refiner 17. Renamed "Tantale Resources" as a smelter 18. Added "Mitsubishi Chemicals" as a smelter 19. Added "3M Mining Products" to its proper full name "3M Tungsten Minerals" 20. Updated "China Minerals Corp." to its proper full name "China Minerals Nonferrous Metals" 21. Renamed "Guangxi Haoping Tungsten" as a smelter 22. Renamed "Guangxi Nonferrous Metals Smelting Co Ltd" as a smelter 23. Renamed "Shichuan Metals & Minerals Inc & Co Co" as a tungsten smelter 24. Added "Guangxi Grand Sea W & M Group Co., Ltd" as a tungsten smelter 25. Added "Hunan Chuanxin Mining Group Co" as a tungsten smelter 26. Added "Japan New Metals Co Ltd" as a tungsten smelter	1. Added "CV/DS - Jaya Abadi" as an alias to "PT Serojono H&P Perkas" 2. Added "Nemac" as an alias to "PT Tansing Temah" 3. Corrected spelling of "Dakusuhar" at "SC-RO03" 4. Corrected spelling of "Mitsubishi Materials Corporation" at "LPM039" 5. Changed "Giga Non-Hemou" to its proper name "Giga Non-Ferrous Metal Processing Co. Ltd" 6. Changed "Mitsubishi Materials" to its proper name "Mitsubishi Materials Corporation" 7. Changed "Nissan" to "Nissan Blue Powder" 8. Added "Nissan Chemicals LTD" as a gold refiner 9. Added "Aida Chemical Industries Co. Ltd" as a gold refiner 10. Added "Rogee Chemical" as a gold refiner 11. Added "Dobri" as a gold refiner 12. Added "Yoshitama Metal Refining Inc." as a gold refiner 13. Added "Yoshitama Metal Co Ltd" as a gold refiner 14. Added "CMC (Guangxi) P&M Co. Ltd" as a tin refiner 15. Added "Gonghua Tantalum and Niobium Smeltery" as a tantalum refiner 16. Renamed "Tantale Resources" as a smelter 17. Added "Mitsubishi Chemicals" as a smelter 18. Added "3M Mining Products" to its proper full name "3M Tungsten Minerals" 19. Updated "China Minerals Corp." to its proper full name "China Minerals Nonferrous Metals" 20. Renamed "Guangxi Haoping Tungsten" as a smelter 21. Renamed "Guangxi Nonferrous Metals Smelting Co Ltd" as a smelter 22. Renamed "Shichuan Metals & Minerals Inc & Co Co" as a tungsten smelter 23. Renamed "Shichuan Metals & Minerals Inc & Co Co" as a tungsten smelter 24. Added "Guangxi Grand Sea W & M Group Co., Ltd" as a tungsten smelter 25. Added "Hunan Chuanxin Mining Group Co" as a tungsten smelter 26. Added "Japan New Metals Co Ltd" as a tungsten smelter
2.02	Jared Corrons, I&M	March 26th, 2013	1. Added new selection to the initial dropdown lists of smelter list tab (smelter not yet identified) 2. Moved "smelter not yet identified" to the bottom of each monthly dropdown list 3. Fixed error in Checker sheet to eliminate display of text "one or more smelters have been added smelter list" when rows are deleted 4. Revised of T&C's 5. Added table translation 6. Allow for deletion of rows in Smelter List tab 7. Renamed "lower" over text in column C of Smelter List tab 8. Inserted additional rows for data entry on the Smelter List tab up to 2000 rows 9. Move smelter ID numbers visible in Smelter List tab 10. Removed language selection from individual tabs, all controlled on Declaration tab 11. Updated templates to prevent users from adding tabs to the worksheet 12. Added statement at the top of the revision history tab clarifying purpose of revision updates	1. Added "Shandong Zhongyu Gold Refining Co. Ltd" as a gold refiner 2. 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2.03	Akemiya Yamahana, JETFA and John Flynn, Backberry	July 13th, 2013	1. Resolved Excel 2003 incompatibility with programming for multiple languages. 2. Minor corrections to row number references in the instructions. 3. Added translation on checker sheet for the Column Name Hyperlink to Spanish. 4. Corrected Japanese translation of "authorized representative" and "representation" on Declaration worksheet. 5. Adjusted the spacing of misc cells to allow for different lengths of translated text and comments. 6. Removed the symbols for the metals on the standard smelter list (e.g., "2.0"). 7. Deleted text "If no for all metals, you are done with the survey" from question 1 on the Declaration worksheet.	1. Added "Shandong Zhongyu Gold Refining Co. Ltd" as a gold refiner 2. Added "Suzhou Xingyu Nickel" as a gold smelter 3. Added "Shandong Zhongyu Gold Refining Co. Ltd" as a gold refiner 4. Added "Shandong Zhongyu Gold Refining Co. Ltd" as a gold refiner 5. 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2.03a	John Flynn, Backberry	July 26th, 2013	No functional change.	
3.00	Akemiya Yamahana, JETFA and John Flynn, Backberry, under the direction of the CFSE Due Diligence Workgroup	April 9th, 2014	Major update to synchronize the CFSE DCMRT with the data fields in the newly published IFC-1705 Standard. Changes include: 1. Addition of new company information fields. 2. Two additional due diligence questions and removal of one. 3. Minor changes to question text throughout. 4. Expansion of instructions and definitions. 5. Updated translations of all modified text.	Added the following gold refiners: 1. Bioré 2. C. Heifer GmbH & Co. KG 3. China National Gold Group Corporation 4. C&I Refining 5. Chang Non-Ferrous Metals Mining Ltd. 6. Dofco 7. Eco-System Recycling Co., Ltd. 8. Gansu Baotian Niobium & Tantalum Co. Ltd. 9. Guangdong Xingyu Gold Refining 10. Hunan Chuanxin Mining Industry Group 11. Kennecott Utah Copper LLC 12. Langkat Jaya Utama Metal Smelt Co. Ltd. 13. Luoyang Zhen Yuan Metal Smelt Co. Ltd. 14. M&P Technology (Singapore) Pte. Ltd. 15. China Phoenix Metal Industry Co., Ltd. 16. Panguang Panguang Gold Industry Co. Ltd. 17. So-Arcelor Group, Inc. 18. Tongshu Nonferrous Metals Group Co. Ltd. 19. WuyangTU PRECISION METALS CO., LTD. 20. Yunnan Copper Industry Co. Ltd. Added the following tantalum refiners: 1. Changsha South Tantalum Niobium Co. Ltd. 2. Guangdong Zhoyan New Materials Co. Ltd. 3. Henanxing King Leng New Materials Co., LTD. 4. Metallurgical Products Asia (P&A) Ltd. 5. Minersco Fabrics S.A. 6. Shanghai Anji Metals Co. Ltd. 7. China Yunnan Rare Metal Co. Ltd. 8. Yunnan Rare Metal Co. Ltd. 9. Yunnan Rare Metal Co. Ltd. 10. Yunnan Rare Metal Co. Ltd. 11. Yunnan Rare Metal Co. Ltd. 12. Yunnan Rare Metal Co. Ltd. 13. Yunnan Rare Metal Co. Ltd. 14. Yunnan Rare Metal Co. Ltd. 15. Yunnan Rare Metal Co. Ltd. 16. Yunnan Rare Metal Co. Ltd. 17. Yunnan Rare Metal Co. Ltd. 18. Yunnan Rare Metal Co. Ltd. 19. Yunnan Rare Metal Co. Ltd. 20. Yunnan Rare Metal Co. Ltd. 21. Yunnan Rare Metal Co. Ltd. 22. Yunnan Rare Metal Co. Ltd. 23. Yunnan Rare Metal Co. Ltd. 24. Yunnan Rare Metal Co. Ltd. 25. Yunnan Rare Metal Co. Ltd. 26. Yunnan Rare Metal Co. Ltd. 27. Yunnan Rare Metal Co. Ltd. 28. Yunnan Rare Metal Co. Ltd. 29. Yunnan Rare Metal Co. Ltd. 30. Yunnan Rare Metal Co. Ltd. 31. Yunnan Rare Metal Co. Ltd. 32. Yunnan Rare Metal Co. Ltd. 33. Yunnan Rare Metal Co. Ltd. 34. Yunnan Rare Metal Co. Ltd. 35. Yunnan Rare Metal Co. Ltd. 36. Yunnan Rare Metal Co. Ltd. 37. Yunnan Rare Metal Co. Ltd. 38. Yunnan Rare Metal Co. Ltd. 39. Yunnan Rare Metal Co. Ltd. 40. Yunnan Rare Metal Co. Ltd. 41. Yunnan Rare Metal Co. Ltd. 42. Yunnan Rare Metal Co. Ltd. 43. Yunnan Rare Metal Co. Ltd. 44. Yunnan Rare Metal Co. Ltd. 45. Yunnan Rare Metal Co. Ltd. 46. Yunnan Rare Metal Co. Ltd. 47. Yunnan Rare Metal Co. Ltd. 48. Yunnan Rare Metal Co. Ltd. 49. Yunnan Rare Metal Co. Ltd. 50. Yunnan Rare Metal Co. Ltd. 51. Yunnan Rare Metal Co. Ltd. 52. Yunnan Rare Metal Co. Ltd. 53. Yunnan Rare Metal Co. Ltd. 54. Yunnan Rare Metal Co. Ltd. 55. Yunnan Rare Metal Co. Ltd. 56. Yunnan Rare Metal Co. Ltd. 57. Yunnan Rare Metal Co. Ltd. 58. Yunnan Rare Metal Co. Ltd. 59. Yunnan Rare Metal Co. Ltd. 60. Yunnan Rare Metal Co. Ltd. 61. Yunnan Rare Metal Co. Ltd. 62. Yunnan Rare Metal Co. Ltd. 63. Yunnan Rare Metal Co. Ltd. 64. Yunnan Rare Metal Co. Ltd. 65. Yunnan Rare Metal Co. Ltd. 66. Yunnan Rare Metal Co. Ltd. 67. Yunnan Rare Metal Co. Ltd. 68. Yunnan Rare Metal Co. Ltd. 69. Yunnan Rare Metal Co. Ltd. 70. Yunnan Rare Metal Co. Ltd. 71. Yunnan Rare Metal Co. Ltd. 72. Yunnan Rare Metal Co. Ltd. 73. Yunnan Rare Metal Co. Ltd. 74. Yunnan Rare Metal Co. Ltd. 75. Yunnan Rare Metal Co. Ltd. 76. Yunnan Rare Metal Co. Ltd. 77. Yunnan Rare Metal Co. Ltd. 78. Yunnan Rare Metal Co. Ltd. 79. Yunnan Rare Metal Co. Ltd. 80. Yunnan Rare Metal Co. Ltd. 81. Yunnan Rare Metal Co. Ltd. 82. Yunnan Rare Metal Co. Ltd. 83. Yunnan Rare Metal Co. Ltd. 84. Yunnan Rare Metal Co. Ltd. 85. Yunnan Rare Metal Co. Ltd. 86. Yunnan Rare Metal Co. Ltd. 87. Yunnan Rare Metal Co. Ltd. 88. Yunnan Rare Metal Co. Ltd. 89. Yunnan Rare Metal Co. Ltd. 90. Yunnan Rare Metal Co. Ltd. 91. Yunnan Rare Metal Co. Ltd. 92. Yunnan Rare Metal Co. Ltd. 93. Yunnan Rare Metal Co. Ltd. 94. Yunnan Rare Metal Co. Ltd. 95. Yunnan Rare Metal Co. Ltd. 96. Yunnan Rare Metal Co. Ltd. 97. Yunnan Rare Metal Co. Ltd. 98. Yunnan Rare Metal Co. Ltd. 99. Yunnan Rare Metal Co. Ltd. 100. Yunnan Rare Metal Co. Ltd.
3.01	Akemiya Yamahana, JETFA and John Flynn, Backberry, under the direction of the CFSE Due Diligence Workgroup	May 30th, 2014	1. Removed the ability to overwrite the "Declaration Scope of Class" field. Users are restricted to only use the drop-down options. 2. Addressed issues with Checker incorrectly showing "Description of Scope" as missing data when a user selects "By Product" or "List of Products" as the Declaration Scope. 3. Added missing data when a user selects "By Product" or "List of Products" as the Declaration Scope. 4. Programmed Checker to show missing data when responses to question 8 are "Yes", unless a "1" is entered the corresponding "Comments" field.	Changed numerous Standard Smelter Names, including: 1. "Pan Pacific Copper Co. LTD" to "JK Nippon Mining & Metals Co., Ltd." 2. "Nippon Canada Corporation" to "NCC Refinery - Glencore Canada Corporation" 3. "PT Borneo Bank Tbk" to "PT Borneo Bank Tbk" 4. "K11 Tungsten Industries" to "Kamometal Hantabali" 5. "Jiangxi Rare Earth & Rare Metals Tungsten Group Corp" to "Guangxi Non-Ferrous Metals Smelting Co., Ltd." 6. "Kamometal Inc." to "Kamometal Falcor" 7. "Chuanxin Anjiyu Tungsten Industry Co Ltd" to "Guangxi Xingyu Tungsten Industry Co., Ltd." Added the following smelters and refiners: 1. Added the tin smelter "Jinxi Metals & Light S&A" 2. Added the tungsten refiner "Yunnan Youyuan Tungsten Industry Co., Ltd" 3. Corrected the name of tin smelter "Luzhou China Tin" to "China Tin Group Co. Ltd." 4. Corrected the name of tin smelter "PT Tansing" to "PT Tansing (Pursuro), Tbk" Removed the following tin smelters: 1. CV Dua Pura Bangka 2. CV Dua Pasira 3. CV Jati Tiro 4. CV Maimur Jaya 5. CV Anjani 6. G&B Group 7. PT Alam Lestari Kencana 8. PT Babar Surya Alam Lestari 9. PT Bangka Kencana Tin 10. PT B&T In Maimur Lestari 11. PT Bayu Di Maimur 12. PT H&P Metals Indonesia 13. PT Adika Ta 14. PT Senama Tin Investment 15. PT Senama Tin Investment 16. PT Senama Tin Investment 17. PT Senama Tin Investment 18. PT Senama Tin Investment 19. PT Senama Tin Investment 20. PT Senama Tin Investment 21. PT Senama Tin Investment 22. PT Senama Tin Investment 23. PT Senama Tin Investment 24. PT Senama Tin Investment 25. PT Senama Tin Investment 26. PT Senama Tin Investment 27. PT Senama Tin Investment 28. PT Senama Tin Investment 29. PT Senama Tin Investment 30. PT Senama Tin Investment 31. PT Senama Tin Investment 32. PT Senama Tin Investment 33. PT Senama Tin Investment 34. PT Senama Tin Investment 35. PT Senama Tin Investment 36. PT Senama Tin Investment 37. PT Senama Tin Investment 38. PT Senama Tin Investment 39. PT Senama Tin Investment 40. PT Senama Tin Investment 41. PT Senama Tin Investment 42. PT Senama Tin Investment 43. PT Senama Tin Investment 44. PT Senama Tin Investment 45. PT Senama Tin Investment 46. PT Senama Tin Investment 47. PT Senama Tin Investment 48. PT Senama Tin Investment 49. PT Senama Tin Investment 50. PT Senama Tin Investment 51. PT Senama Tin Investment 52. PT Senama Tin Investment 53. PT Senama Tin Investment 54. PT Senama Tin Investment 55. PT Senama Tin Investment 56. PT Senama Tin Investment 57. PT Senama Tin Investment 58. PT Senama Tin Investment 59. PT Senama Tin Investment 60. PT Senama Tin Investment 61. PT Senama Tin Investment 62. PT Senama Tin Investment 63. PT Senama Tin Investment 64. PT Senama Tin Investment 65. PT Senama Tin Investment 66. PT Senama Tin Investment 67. PT Senama Tin Investment 68. PT Senama Tin Investment 69. PT Senama Tin Investment 70. PT Senama Tin Investment 71. PT Senama Tin Investment 72. PT Senama Tin Investment 73. PT Senama Tin Investment 74. PT Senama Tin Investment 75. PT Senama Tin Investment 76. PT Senama Tin Investment 77. PT Senama Tin Investment 78. PT Senama Tin Investment 79. PT Senama Tin Investment 80. PT Senama Tin Investment 81. PT Senama Tin Investment 82. PT Senama Tin Investment 83. PT Senama Tin Investment 84. PT Senama Tin Investment 85. PT Senama Tin Investment 86. PT Senama Tin Investment 87. PT Senama Tin Investment 88. PT Senama Tin Investment 89. PT Senama Tin Investment 90. PT Senama Tin Investment 91. PT Senama Tin Investment 92. PT Senama Tin Investment 93. PT Senama Tin Investment 94. PT Senama Tin Investment 95. PT Senama Tin Investment 96. PT Senama Tin Investment 97. PT Senama Tin Investment 98. PT Senama Tin Investment 99. PT Senama Tin Investment 100. PT Senama Tin Investment
3.02	John Flynn, Backberry, under the direction of the CFSE Due Diligence Data Collection Workgroup	Nov 7th, 2014	1. Revisions to the German language translation throughout. 2. Correction of the Japanese language translation for Question 4 on the Declaration worksheet.	This version incorporates numerous changes to the smelter list as reflected in the Standard Smelter List as of November 7, 2014. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.0	CFSE Due Diligence Data Collection Workgroup	Apr 30th, 2015	Replaced the Standard Smelter Names tab with the Smelter Reference List tab, displaying common alternate names for smelters as well as location information. Major updates to synchronize the CFSE DCMRT with the data fields in the newly revised IFC-1705 Standard. Changes include: 1. Changes to question text throughout. 2. Expansion of instructions and definitions. 3. Updated translations of all modified text.	This version incorporates numerous changes to the smelter list as reflected in the Standard Smelter List as of April 30, 2015. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.01	CFSE Due Diligence Data Collection Workgroup	June 12th, 2015	Minor revisions to correct reported issues including those related to error checking on the "Checker" and "Smelter List" tabs.	This version incorporates a few changes to the smelter list as reflected in the Standard Smelter List as of June 12, 2015. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.01a	CFSE Due Diligence Data Collection Workgroup	August 6th, 2015	No functional change. Esmeta C&D corrected to read C&D001322.	This version incorporates a few changes to the smelter list as reflected in the Standard Smelter List as of August 6, 2015. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.01b	CFSE Due Diligence Data Collection Workgroup	November 16th, 2015	No functional change.	This version incorporates a few changes to the smelter list as reflected in the Standard Smelter List as of November 16, 2015. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.10	CFSE DCMRT Team	April 23, 2016	1. Corrections to all bugs and errors 2. Enhancements which do not conflict with IFC-1705 3. Additions and clarifications in the instructions and definitions 4. Smelter List Tab: Re-introduction of "smelter not yet identified" 5. Smelter List Tab: Inclusion of drop down menu for smelter ID that triggers auto-population of column B & J 6. Translation improvements and addition of Turkish language 7. Updates to the Smelter Reference List and Standard Smelter List 8. Updated icons and corrections 9. ACPIC chapter set alignment	This version incorporates a few changes to the smelter list as reflected in the Standard Smelter List as of April 23, 2016. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>
4.20	CFSE DCMRT Team	November 30, 2016	1. Corrections to all bugs and errors 2. Enhancements which do not conflict with IFC-1705 3. Additions and clarifications in the instructions and definitions 4. Update to SOI short names 5. Translation improvements 6. Updates to the Smelter Reference List and Standard Smelter List	This version incorporates a few changes to the smelter list as reflected in the Standard Smelter List as of November 30, 2016. The latest version of the Standard Smelter List is available at: <a href="http://www.conflictminerals.org">http://www.conflictminerals.org</a>



### 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](http://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 and/or question 2 is positive, then the subsequent questions shall be completed for that metal and the following due diligence questions (A to J) 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" 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. This response to this question serves to exclude any trace level contaminants such as tin in steel.

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 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 SEC's final rules regarding the determination if a 3TG is "necessary to the production" of a product. This question is separate and independent from the question and response to question 1. This query is intended to identify 3TGs which are intentionally used in the manufacturing process of a product and where some amount of the 3TG remains in the finished product. These 3TGs likely were not intended to become part of the final product nor are they likely "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 used during the manufacturing process, be completely removed during 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).</p> <p>The answer to this query shall be "yes", "no", or "unknown". Substantiate a "Yes" answer in the comments section.</p> <p><u>This question is mandatory for a specific metal if the response to Question 1 or 2 is "Yes" for that metal.</u></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 query shall be "yes", "no", or "unknown". This question is mandatory for a specific metal if the response to Question 1 or 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 declaration 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"> <li>- Yes, 100%</li> <li>- No, but greater than 75%</li> <li>- No, but greater than 50%</li> <li>- No, but greater than 25%</li> <li>- No, but less than 25%</li> <li>- None</li> </ul> <p><u>This question is mandatory for a specific metal if the response to Question 1 or 2 is "Yes" for that metal.</u></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. This question is mandatory for a specific metal if the response to Question 1 or 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 or 2 is "Yes" for that metal.</p> <p>Provide comments in the Comment sections as required to clarify your responses.</p>
<p><b>Instructions for completing Questions A. – J. (rows 69 - 87). Questions A. through J. are mandatory if the response to Question 1 or 2 is "Yes" for any metal.</b>  <b>Provide answers in ENGLISH only</b></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 J. 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. Please answer "Yes" or "No". Provide any comments, if necessary.</p>
<p>B. Please answer "Yes" or "No". If "Yes", provide the web link in the comments section.</p>
<p>C. Please answer "Yes" or "No". Provide any comments if necessary. See Definitions worksheet for definition of "DRC conflict-free".</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 query shall be "yes" or "no". 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>F. This is a declaration to disclose whether a company requests their supplier to fill out a conflict minerals declaration. The answer to this query shall be "yes" or "no" along with a comment in certain cases, i.e., to provide the format used for collecting information. This question is mandatory.</p>
<p>G. Please answer "Yes" or "No". Provide any comments, if necessary.</p>
<p>H. 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"> <li>"3rd party audit" - on-site audits of your suppliers conducted by independent third parties.</li> <li>"Documentation review only" - a review of supplier submitted records and documentation conducted by independent third parties and, or your company personnel.</li> <li>"Internal audit" - on-site audits of your suppliers conducted by your company personnel.</li> </ul>
<p>I. Please answer "Yes" or "No". If "Yes", please describe how you manage your corrective action process.</p>
<p>J. Please answer "Yes" or "No". The SEC conflict minerals disclosure requirements apply to US exchange-traded companies that are subject to the US Securities Exchange Act. For more information please refer to <a href="http://www.sec.gov">www.sec.gov</a>.</p>
<p><b>Instructions for completing the Smelter List Tab.</b>  <b>Provide answers in ENGLISH only</b></p>
<p>Note: Columns with (*) are mandatory fields</p>
<p>This template allows for smelter identification using the Smelter Reference List. Columns B,C,D and E must be completed in order from left to right to utilize the Smelter Reference List feature.  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, D, 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 Reference List(*) - 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.' This field is mandatory.</p>
<p>4. Smelter Name (*)- 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. This field is mandatory.</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>

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'.

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.

8. Smelter Street - Provide the street name on which the smelter is located. This field is optional.

9. Smelter City - Provide the city name of where the smelter is located. This field is optional.

10. Smelter Location: State/Province, if applicable - Provide the state or province where the smelter is located. This field is optional.

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.

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.

If you have permission to share this information, please fill in the name of the Smelter Facility Contact person who you worked with.

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@SmelterXXX.com. Please review the instructions for Smelter Contact Name before completing this field.

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.

"RCOI confirmed as per CFSI" may be an acceptable answer to this question.

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.

"RCOI confirmed as per CFSI" may be an acceptable answer to this question.

15. Does 100% of the smelter's feedstock originate from recycled or scrap sources? - Please answer "Yes" if the smelter solely obtains inputs for its smelting process(es) from recycled or scrap sources. Answer "No" otherwise.

16. Comments - free form text field to enter any comments concerning the smelter. Example: smelter is being acquired by Company YYY

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.

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.

#### TERMS AND CONDITIONS

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By accessing and using the List or any Tool, and in consideration thereof, the User agrees to the foregoing.

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[Return to declaration tab](#)

Revision 4.20 November 30, 2016

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 <a href="http://www.conflictreesourcing.org">www.conflictreesourcing.org</a> .
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: <a href="http://www.conflictreesourcing.org/conflict-free-smelter-program/">http://www.conflictreesourcing.org/conflict-free-smelter-program/</a> .
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 <a href="http://www.conflictreesourcing.org">http://www.conflictreesourcing.org</a> .
Conflict Mineral	As defined in 2010 United States legislation, Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502(e)(4): <b>CONFLICT MINERAL.</b> —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 <a href="http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf">http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf</a> )
Covered Country(ies)	Covered Country(ies) 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 at 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") ( <a href="http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf">http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf</a> )
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 ( <a href="http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf">http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf</a> )
EICC	Electronic Industry Citizenship Coalition ( <a href="http://www.eicc.info">www.eicc.info</a> )
GeSI	Global e-Sustainability Initiative ( <a href="http://www.gesi.org">www.gesi.org</a> )
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: <a href="http://www.conflictreesourcing.org/audit-protocols-procedures/">http://www.conflictreesourcing.org/audit-protocols-procedures/</a> .
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 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*, the rule's preamble states: "[W]e 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 or 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." *(56296 Federal Register / Vol. 77, No. 177 / Wednesday, September 12, 2012 / Rules and Regulations)
IPC	IPC ( <a href="http://www.IPC.org">www.IPC.org</a> ) 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.
Necessary for the Functionality of a Product	The SEC does not provide a formal definition of this phrase in the final rule*, 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.  *(56296 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*; 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.  *(56296 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 ( <a href="http://www.sec.gov">www.sec.gov</a> )
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 (99.5% 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: <a href="http://www.conflictreesourcing.org/audit-protocols-procedures/">http://www.conflictreesourcing.org/audit-protocols-procedures/</a> .
Tin (Sn) smelter	Primary [tin] smelters are companies with one or more facilities treating tin containing ore 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: <a href="http://www.conflictreesourcing.org/audit-protocols-procedures/">http://www.conflictreesourcing.org/audit-protocols-procedures/</a> .
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: <a href="http://www.conflictreesourcing.org/audit-protocols-procedures/">http://www.conflictreesourcing.org/audit-protocols-procedures/</a> .



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# Conflict Minerals Reporting Template (CMRT)

English

[Click here to check required fields completion](#)

Revision 4.20  
November 30, 2016

[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 (\*).

## Company Information

Company Name (*):	Helical Products Company, MW Industries Inc
Declaration Scope or Class (*):	A. Company
Description of Scope:	Manufacturer of precision machined couplings and springs.
Company Unique ID:	
Company Unique ID Authority:	
Address:	901 W. McCoy Ln., Santa Maria, CA, 93455
Contact Name (*):	Dan Miano
Email - Contact (*):	dmiano@heli-cal.com
Phone - Contact (*):	805-928-3851
Authorizer (*):	Dan Miano
Title - Authorizer:	Production Manager
Email - Authorizer (*):	dmiano@heli-cal.com
Phone - Authorizer (*):	805-928-3851
Effective Date (*):	19-Jan-2017

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

1) Is the 3TG intentionally added to your product? (\*)

	Answer	Comments
Tantalum (*)	Yes	Helical does not add any 3TGs to it's products. Purchased bar stock may contain 3TG.
Tin (*)	Yes	Helical does not add any 3TGs to it's products. Purchased bar stock may contain 3TG.
Gold (*)	No	
Tungsten (*)	Yes	Helical does not add any 3TGs to it's products. Purchased bar stock may contain 3TG.

2) Is the 3TG necessary to the production of your company's products and contained in the finished product that your company manufactures or contracts to manufacture? (\*)

	Answer	Comments
Tantalum (*)	Yes	
Tin (*)	Yes	
Gold (*)	No	
Tungsten (*)	Yes	

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 (*)	No	
Tin (*)	No	
Gold		
Tungsten (*)	No	

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 (*)	Unknown	
Tin (*)	Unknown	
Gold		
Tungsten (*)	Unknown	

5) Have you received data/information for each 3TG from all relevant suppliers? (\*)

	Answer	Comments
Tantalum (*)	Yes, 100%	Suppliers/Vendors will not provide smelter information.
Tin (*)	Yes, 100%	Suppliers/Vendors will not provide smelter information.
Gold		
Tungsten (*)	Yes, 100%	Suppliers/Vendors will not provide smelter information.

6) Have you identified all of the smelters supplying the 3TG to your supply chain? (\*)

	Answer	Comments
Tantalum (*)	Yes	We assume Suppliers/Vendors have identified smelters as they confirm the origin of the 3TG is from a conflict-free country, however they refuse to provide smelter names.
Tin (*)	Yes	We assume Suppliers/Vendors have identified smelters as they confirm the origin of the 3TG is from a conflict-free country, however they refuse to provide smelter names.
Gold		
Tungsten (*)	Yes	We assume Suppliers/Vendors have identified smelters as they confirm the origin of the 3TG is from a conflict-free country, however they refuse to provide smelter names.

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

	Answer	Comments
Tantalum (*)	Yes	



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English

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Revision 4.20  
 November 30, 2016

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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 (\*).

Tin (*)	Yes	
Gold		
Tungsten (*)	Yes	

Answer the Following Questions at a Company Level

Question	Answer	Comments
A. Do you have a policy in place that addresses conflict minerals sourcing? (*)	Yes	CMRT posted on company 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	<a href="http://heli-cal.com/about-us/compliance-information/">http://heli-cal.com/about-us/compliance-information/</a>
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	
E. Have you implemented due diligence measures for conflict-free sourcing? (*)	Yes	
F. Do you collect conflict minerals due diligence information from your suppliers which is in conformance with the IPC-1755 Conflict Minerals Data Exchange standard [e.g., the CFSI Conflict Minerals Reporting Template]? (*)	No	We require that suppliers provide documentation that they are conflict free.
G. Do you request smelter names from your suppliers? (*)	Yes	
H. Do you review due diligence information received from your suppliers against your company's expectations? (*)	Yes	
I. Does your review process include corrective action management? (*)	No	
J. Are you subject to the SEC Conflict Minerals rule? (*)	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](#) [Click here to return to Smelter List](#)

Required fields remaining to be completed  
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Required Fields	Answer provided	Notes	Hyperlink to source
Company Name (*):	Helical Products Company, MW Industries Inc	Complete	
Declaration Scope or Class (*):	A. Company	Complete	
Description of Scope:	Manufacturer of precision machined couplings and springs.	Complete	
Contact Name (*):	Dan Miano	Complete	
Email - Contact (*):	dmiano@hell-cal.com	Complete	
Phone - Contact (*):	805-928-3851	Complete	
Authorizer (*):	Dan Miano	Complete	
Email - Authorizer (*):	dmiano@hell-cal.com	Complete	
Phone - Authorizer (*):	805-928-3851	Complete	
Effective Date (*):	19-Jan-2017	Complete	
1) Is the 3TG intentionally added to your product? (*)			
Tantalum (*)	Yes	Complete	
Tin (*)	Yes	Complete	
Gold (*)	No	Complete	
Tungsten (*)	Yes	Complete	
2) Is the 3TG necessary to the production of your company's products and contained in the finished product that your company manufactures or contracts to manufacture? (*)			
Tantalum (*)	Yes	Complete	
Tin (*)	Yes	Complete	
Gold (*)	No	Complete	
Tungsten (*)	Yes	Complete	
3) Do any of the smelters in your supply chain source the 3TG from the covered countries? (SEC term, see definitions tab) (*)			
Tantalum (*)	No	Complete	
Tin (*)	No	Complete	
Gold		Complete	
Tungsten (*)	No	Complete	
4) Does 100 percent of the 3TG (necessary to the functionality or production of your products) originate from recycled or scrap sources? (*)			
Tantalum (*)	Unknown	Complete	
Tin (*)	Unknown	Complete	
Gold		Complete	
Tungsten (*)	Unknown	Complete	
5) Have you received data/information for each 3TG from all relevant suppliers? (*)			
Tantalum (*)	Yes, 100%	Complete	
Tin (*)	Yes, 100%	Complete	
Gold		Complete	
Tungsten (*)	Yes, 100%	Complete	
6) Have you identified all of the smelters supplying the 3TG to your supply chain? (*)			
Tantalum (*)	Yes	Complete	
Tin (*)	Yes	Complete	
Gold		Complete	
Tungsten (*)	Yes	Complete	
7) Has all applicable smelter information received by your company been reported in this declaration? (*)			
Tantalum (*)	Yes	Complete	
Tin (*)	Yes	Complete	
Gold		Complete	
Tungsten (*)	Yes	Complete	
Question			
A. Do you have a policy in place that addresses conflict minerals sourcing? (*)	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	<a href="http://hell-cal.com/about-us/compliance-information/">http://hell-cal.com/about-us/compliance-information/</a>	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 program? (*)	No	Complete	
E. Have you implemented due diligence measures for conflict-free sourcing? (*)	Yes	Complete	
F. Do you collect conflict minerals due diligence information from your suppliers which is in conformance with the IPC-1755 Conflict Minerals Data Exchange standard [e.g., the CFSI Conflict Minerals Reporting Template]? (*)	No	Complete	
G. Do you request smelter names from your suppliers? (*)	Yes	Complete	
H. Do you review due diligence information received from your suppliers against your company's expectations? (*)	Yes	Complete	
I. Does your review process include corrective action management? (*)	No	Complete	
J. Are you subject to the SEC Conflict Minerals rule? (*)	No	Complete	
Product List	0 products or item numbers listed	Complete	
Smelter List - Tantalum		Complete	Please answer Questions 1 and 2 on Declaration tab
Smelter List - Tin		Complete	Please answer Questions 1 and 2 on Declaration tab
Smelter List - Gold		Not Required	Please answer Questions 1 and 2 on Declaration tab
Smelter List - Tungsten		Complete	Please answer Questions 1 and 2 on Declaration tab
All rows with "Smelter not listed" selected, have a name and country listed		N/A	Please complete columns D & E on Smelter List for all rows "Smelter Not Listed" selected in column C



The following list represents the CFSI's latest smelter name/alias information as of this templates release. This list is updated frequently, and the most up-to-date version can be found on the CFSI website <http://www.conflictreesourcing.org/conflict-free-smelter-program/exports/cmrt-export/>. The presence of a smelter here is NOT a guarantee that it is currently Active or Compliant within the Conflict-Free Smelter Program.

Please refer to the CFSI web site [www.conflictreesourcing.org](http://www.conflictreesourcing.org) for the most current and accurate list of standard smelter names that are Active or Compliant.

Names included in column B represent company names that are commonly recognized and reported by the supply chain for a particular smelter. These names may include former company names, alternate names, abbreviations, or other variations. Although the names may not be the CFSI Standard Smelter Name, the reference names are helpful to identify the smelter, which is listed under column C in the Smelter Reference List.

Column C is the list of the official standard smelter names, understood to be the legal names of the eligible smelters. The majority of smelters will have the same entry for both columns.

Metal	Smelter Reference List	Standard Smelter Names	Smelter Facility Location: Country	New Smelter ID	Source of Smelter Identification Number	Smelter Street	Smelter City	Smelter Facility Location: State / Province
Gold	Abington Reidan Metals, LLC	Abington Reidan Metals, LLC	UNITED STATES OF AMERICA	CID002708	CFSI	Fairless Hills	PA	
Gold	Accurate Refining Group	So Accurate Group, Inc.	UNITED STATES OF AMERICA	CID001754	CFSI	Long Island City	New York	
Gold	Advanced Chemical Company	Advanced Chemical Company	UNITED STATES OF AMERICA	CID000015	CFSI	Warwick	Rhode Island	
Gold	AGR Mathey	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID002030	CFSI	Newburn	Western Australia	
Gold	AGR(Perth Mint Australia)	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID002030	CFSI	Newburn	Western Australia	
Gold	Aida Chemical Industries Co., Ltd.	Aida Chemical Industries Co., Ltd.	JAPAN	CID000019	CFSI	Fuchu	Tokyo	
Gold	Al Etihad Gold Refinery DMCC	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES	CID002560	CFSI	Dubai	Dubai	
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY	CID000035	CFSI	Pforzheim	Baden-Württemberg	
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN	CID000041	CFSI	Almalyk	Tashkent Province	
Gold	Amagasaki Factory, Hyogo Prefecture, Japan	Asahi Pretec Corp.	JAPAN	CID000082	CFSI	Kobe	Hyogo	
Gold	AngloGold Ashanti Corrego do Sitio Mineração	AngloGold Ashanti Corrego do Sitio Mineração	BRAZIL	CID000058	CFSI	Nova Lima	Minas Gerais	
Gold	Anhui Tongling Nonferrous Metal Mining Co., Ltd.	Tongling Nonferrous Metals Group Co., Ltd.	CHINA	CID001947	CFSI	Tongling	Anhui	
Gold	ANZ (Perth Mint 4N)	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID002030	CFSI	Newburn	Western Australia	
Gold	Argor-Heraeus S.A.	Argor-Heraeus S.A.	SWITZERLAND	CID000077	CFSI	Mendrisio	Ticino	
Gold	Asahi Pretec Corp.	Asahi Pretec Corp.	JAPAN	CID000082	CFSI	Kobe	Hyogo	
Gold	Asahi Refining Canada Ltd.	Asahi Refining Canada Ltd.	CANADA	CID000924	CFSI	Brampton	Ontario	
Gold	Asahi Refining USA Inc.	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	CID000920	CFSI	Salt Lake City	Utah	
Gold	Asaka Riken Co., Ltd.	Asaka Riken Co., Ltd.	JAPAN	CID000090	CFSI	Tamura	Fukushima	
Gold	ATAKulche	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY	CID000103	CFSI	Istanbul	Istanbul Province	
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY	CID000103	CFSI	Istanbul	Istanbul Province	
Gold	AU Traders and Refiners	AU Traders and Refiners	SOUTH AFRICA	CID002850	CFSI	Johannesburg	Gauteng	
Gold	AURA-II	AURA-II	UNITED STATES OF AMERICA	CID002851	CFSI	Milwaukee	Wisconsin	
Gold	Aurubis AG	Aurubis AG	GERMANY	CID000113	CFSI	Hamburg	Hamburg State	
Gold	Bangalore Refinery	Bangalore Refinery	INDIA	CID002863	CFSI	Bangalore	Karnataka	
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES	CID000128	CFSI	Quezon City	Manila	
Gold	Boliden AB	Boliden AB	SWEDEN	CID000157	CFSI	Skelleftehamn	Vasterbotten	
Gold	C. Hafner GmbH + Co. KG	C. Hafner GmbH + Co. KG	GERMANY	CID000176	CFSI	Pforzheim	Baden-Württemberg	
Gold	Caridad	Caridad	MEXICO	CID000180	CFSI	Nacoziari	Sonora	
Gold	CCR	CCR Refinery - Glencore Canada Corporation	CANADA	CID000185	CFSI	Montréal	Quebec	
Gold	CCR Refinery - Glencore Canada Corporation	CCR Refinery - Glencore Canada Corporation	CANADA	CID000185	CFSI	Montréal	Quebec	
Gold	Cendres + Métaux SA	Cendres + Métaux S.A.	SWITZERLAND	CID000189	CFSI	Biel-Bienne	Bern	
Gold	Cendres + Métaux S.A.	Cendres + Métaux S.A.	SWITZERLAND	CID000189	CFSI	Biel-Bienne	Bern	
Gold	Central Bank of the Philippines Gold Refinery & Mint	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES	CID000128	CFSI	Quezon City	Manila	
Gold	CHALCO Yunnan Copper Co. Ltd.	Yunnan Copper Industry Co., Ltd.	CHINA	CID000197	CFSI	Kunming	Yunnan	
Gold	Chimet S.p.A.	Chimet S.p.A.	ITALY	CID000233	CFSI	Arezzo	Tuscany	
Gold	China Henan Zhongyuan Gold Smelter	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Sanmenxia	Henan	
Gold	China's Shandong Gold Mining Co., Ltd	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Yantai	
Gold	Chugai Mining	Chugai Mining	JAPAN	CID000264	CFSI	Chiyoda	Yunnan	
Gold	Daejin Indus Co., Ltd.	Daejin Indus Co., Ltd.	KOREA (REPUBLIC OF)	CID000328	CFSI	Namdong-gu	Incheon	
Gold	Daejin Industry	Daejin Indus Co., Ltd.	KOREA (REPUBLIC OF)	CID000328	CFSI	Namdong-gu	Incheon	
Gold	Daye Non-Ferrous Metals Mining Ltd.	Daye Non-Ferrous Metals Mining Ltd.	CHINA	CID000343	CFSI	Huangshi	Hubei	
Gold	Degussa Sonne / Mond Goldhandel GmbH	Degussa Sonne / Mond Goldhandel GmbH	GERMANY	CID002867	CFSI	Pforzheim	Baden-Württemberg	
Gold	Do Sung Corporation	DSC (Do Sung Corporation)	KOREA (REPUBLIC OF)	CID000359	CFSI	Gimpo	Gyeonggi	
Gold	DODUCO	DODUCO GmbH	GERMANY	CID000362	CFSI	Pforzheim	Baden-Württemberg	
Gold	DODUCO GmbH	DODUCO GmbH	GERMANY	CID000362	CFSI	Pforzheim	Baden-Württemberg	
Gold	Dosung metal	DSC (Do Sung Corporation)	KOREA (REPUBLIC OF)	CID000359	CFSI	Gimpo	Gyeonggi	
Gold	Dowa	Dowa	JAPAN	CID000401	CFSI	Kosaka	Akita	
Gold	Dowa Kogyo k.k.	Dowa	JAPAN	CID000401	CFSI	Kosaka	Akita	
Gold	Dowa Metalmine Co. Ltd	Dowa	JAPAN	CID000401	CFSI	Kosaka	Akita	
Gold	Dowa Metals & Mining Co. Ltd	Dowa	JAPAN	CID000401	CFSI	Kosaka	Akita	
Gold	DSC (Do Sung Corporation)	DSC (Do Sung Corporation)	KOREA (REPUBLIC OF)	CID000359	CFSI	Gimpo	Gyeonggi	
Gold	Eco-System Recycling Co., Ltd.	Eco-System Recycling Co., Ltd.	JAPAN	CID000425	CFSI	Honjo	Saitama	
Gold	Elemental Refining, LLC	Elemental Refining, LLC	UNITED STATES OF AMERICA	CID001322	CFSI	Jackson	Ohio	
Gold	Emirates Gold DMCC	Emirates Gold DMCC	UNITED ARAB EMIRATES	CID002561	CFSI	Dubai	Dubai	
Gold	Fidelity Printers and Refiners Ltd.	Fidelity Printers and Refiners Ltd.	ZIMBABWE	CID002515	CFSI	Msasa	Harare	
Gold	FSE Novosibirsk Refinery	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION	CID000493	CFSI	Novosibirsk	Novosibirsk Province	
Gold	Fujian Zijin mining stock company gold smelter	Zijin Mining Group Co., Ltd. Gold Refinery	CHINA	CID002243	CFSI	Shanghai	Fujian	
Gold	Gansu Seemine Material Hi-Tech Co., Ltd.	Gansu Seemine Material Hi-Tech Co., Ltd.	CHINA	CID000522	CFSI	Lanzhou	Gansu	
Gold	Geib Refining Corporation	Geib Refining Corporation	UNITED STATES OF AMERICA	CID002459	CFSI	Warwick	Rhode Island	
Gold	Gold Mining in Shandong (Laizhou) Limited Company	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Shandong	
Gold	Great Wall Precious Metals Co., LTD.	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA	CID001909	CFSI	Chengdu	Sichuan	
Gold	Great Wall Precious Metals Co., Ltd. of CBPM	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA	CID001909	CFSI	Chengdu	Sichuan	
Gold	Guangdong Gaoyao Co.	Guangdong Jinding Gold Limited	CHINA	CID002312	CFSI	Guangzhou	Guangdong	
Gold	Guangdong Jinding Gold Limited	Guangdong Jinding Gold Limited	CHINA	CID002312	CFSI	Guangzhou	Guangdong	
Gold	Gujarat Gold Centre	Gujarat Gold Centre	INDIA	CID002852	CFSI	Ahmedabad	Gujarat	
Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA	CID000651	CFSI	Zhaoyuan	Shandong	
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA	CID000671	CFSI	Fuyang	Zhejiang	
Gold	Heimerle + Meule GmbH	Heimerle + Meule GmbH	GERMANY	CID000694	CFSI	Pforzheim	Baden-Württemberg	
Gold	Henan Zhongyuan Gold Refinery Co., Ltd.	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Sanmenxia	Henan	
Gold	Henan Zhongyuan Gold Smelter of Zhongjin Gold Co. Ltd.	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Sanmenxia	Henan	
Gold	Henan Zhongyuan Gold Smelter of Zhongjin Gold Corporation Lin	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Sanmenxia	Henan	
Gold	Heraeus Ltd. Hong Kong	Heraeus Ltd. Hong Kong	CHINA	CID000707	CFSI	Fanling	Hong Kong	
Gold	Heraeus Precious Metals GmbH & Co. KG	Heraeus Precious Metals GmbH & Co. KG	GERMANY	CID000711	CFSI	Hanau	Hesse	
Gold	Hunan Chenzhou Mining Co., Ltd.	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000767	CFSI	Yuanling	Hunan	
Gold	Hunan Chenzhou Mining Group Co., Ltd.	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000767	CFSI	Yuanling	Hunan	
Gold	Hunan Chenzhou Mining Industry Co. Ltd.	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000767	CFSI	Yuanling	Hunan	
Gold	HwaSeong CJ Co., Ltd.	HwaSeong CJ Co., Ltd.	KOREA (REPUBLIC OF)	CID000778	CFSI	Danwon	Gyeonggi	
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., L	CHINA	CID000801	CFSI	Hohhot	Inner Mongolia	
Gold	Ishifuku Metal Industry Co., Ltd.	Ishifuku Metal Industry Co., Ltd.	JAPAN	CID000807	CFSI	Soka	Saitama	
Gold	Istanbul Gold Refinery	Istanbul Gold Refinery	TURKEY	CID000814	CFSI	Kuyumcukent	Istanbul	
Gold	Japan Mint	Japan Mint	JAPAN	CID000823	CFSI	Osaka	Kansai	
Gold	JCC	Jiangxi Copper Co., Ltd.	CHINA	CID000855	CFSI	Guixi City	Jiangxi	
Gold	Jiangxi Copper Co., Ltd.	Jiangxi Copper Co., Ltd.	CHINA	CID000855	CFSI	Guixi City	Jiangxi	
Gold	Johnson Matthey Canada	Asahi Refining Canada Ltd.	CANADA	CID000924	CFSI	Brampton	Ontario	
Gold	Johnson Matthey Inc.	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	CID000920	CFSI	Salt Lake City	Utah	
Gold	Johnson Matthey Inc. (USA)	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	CID000920	CFSI	Salt Lake City	Utah	
Gold	Johnson Matthey Limited	Asahi Refining Canada Ltd.	CANADA	CID000924	CFSI	Brampton	Ontario	
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION	CID000927	CFSI	Verkhnyaya Pyshma	Sverdlovsk	
Gold	JSC Uralelectromed	JSC Uralelectromed	RUSSIAN FEDERATION	CID000929	CFSI	Verkhnyaya Pyshma	Sverdlovsk	
Gold	JX Nippon Mining & Metals Co., Ltd.	JX Nippon Mining & Metals Co., Ltd.	JAPAN	CID000937	CFSI	Ôita	Ôita	
Gold	Kaloti Precious Metals	Kaloti Precious Metals	UNITED ARAB EMIRATES	CID002563	CFSI	Dubai	Dubai	
Gold	Kazakhmys Smelting LLC	Kazakhmys Smelting LLC	KAZAKHSTAN	CID000956	CFSI	Balkhash	Karaganda Region	
Gold	Kazzinc	Kazzinc	KAZAKHSTAN	CID000957	CFSI	Ust-Kamenogorsk	East Kazakhstan	
Gold	Kennecott Utah Copper LLC	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA	CID000969	CFSI	Magna	Utah	
Gold	KGHM Polska Miedz Spółka Akcyjna	KGHM Polska Miedz Spółka Akcyjna	POLAND	CID002511	CFSI	Lubin	Lower Silesian Voivodeship	
Gold	Kojima Chemicals Co., Ltd.	Kojima Chemicals Co., Ltd.	JAPAN	CID000981	CFSI	Sayama	Saitama	
Gold	Kojima Kagaku Yakuhin Co., Ltd	Kojima Chemicals Co., Ltd.	JAPAN	CID000981	CFSI	Sayama	Saitama	
Gold	Kombinat Gorniczo Hutniczy Miedz Polska Miedz S.A.	KGHM Polska Miedz Spółka Akcyjna	POLAND	CID002511	CFSI	Lubin	Lower Silesian Voivodeship	
Gold	Korea Zinc Co., Ltd.	Korea Zinc Co., Ltd.	KOREA (REPUBLIC OF)	CID002605	CFSI	Gangnam	Seoul	
Gold	Kyrgyzalyn JSC	Kyrgyzalyn JSC	KYRGYZSTAN	CID001029	CFSI	Bishkek	Chuy Province	
Gold	La Caridad	Caridad	MEXICO	CID000180	CFSI	Nacoziari	Sonora	
Gold	LAIZHOU SHANDONG	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Shandong	
Gold	L'azurde Company For Jewelry	L'azurde Company For Jewelry	SAUDI ARABIA	CID001032	CFSI	Riyadh	Riyadh Province	
Gold	Lingbao Gold Mining	Lingbao Gold Co., Ltd.	CHINA	CID001056	CFSI	Lingbao	Henan	
Gold	Lingbao Gold Co., Ltd.	Lingbao Gold Co., Ltd.	CHINA	CID001056	CFSI	Lingbao	Henan	
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA	CID001058	CFSI	Lingbao	Henan	
Gold	L'Orfebvre S.A.	L'Orfebvre S.A.	ANDORRA	CID002762	CFSI	Andorra la Vella	Andorra la Vella	
Gold	LS-NIKKO Copper Inc.	LS-NIKKO Copper Inc.	KOREA (REPUBLIC OF)	CID001078	CFSI	Onsan-eup	Ulsan	
Gold	Luoyang Zijin Yinhu Gold Refinery Co., Ltd.	Luoyang Zijin Yinhu Gold Refinery Co., Ltd.	CHINA	CID001093	CFSI	Luoyang	Henan	
Gold	Luoyang Zijin Yinhu Gold Smelting	Luoyang Zijin Yinhu Gold Refinery Co., Ltd.	CHINA	CID001093	CFSI	Luoyang	Henan	
Gold	Luoyang Zijin Yinhu Metal Smelt Co Ltd	Luoyang Zijin Yinhu Gold Refinery Co., Ltd.	CHINA	CID001093	CFSI	Luoyang	Henan	
Gold	Materion	Materion	UNITED STATES OF AMERICA	CID001113	CFSI	Buffalo	New York	
Gold	Matsuda Sangyo Co., Ltd.	Matsuda Sangyo Co., Ltd.	JAPAN	CID001119	CFSI	Iruma	Saitama	
Gold	MEM(Sumitomo Group)	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798	CFSI	Saïjo	Hiime	
Gold	Metal?rgica Met-Mex Peñoles, S.A. de C.V	Metal?rgica Met-Mex Peñoles S.A. De C.V.	MEXICO	CID001161	CFSI	Torreón	Coahuila	
Gold	Metalor Switzerland	Metalor Technologies S.A.	SWITZERLAND	CID001153	CFSI	Marin	Neuchâtel	
Gold	Metalor Technologies (Hong Kong) Ltd.	Metalor Technologies (Hong Kong) Ltd.	CHINA	CID001149	CFSI	Kwai Chung	Hong Kong	
Gold	Metalor Technologies (Singapore) Pte., Ltd.	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE	CID001152	CFSI	Tuas	Singapore	
Gold	Metalor Technologies (Suzhou) Ltd.	Metalor Technologies (Suzhou) Ltd.	CHINA	CID001147	CFSI	Suzhou Industrial Park	Jiangsu	
Gold	Metalor Technologies S.A.	Metalor Technologies S.A.	SWITZERLAND	CID001153	CFSI	Marin	Neuchâtel	
Gold	Metalor USA Refining Corporation	Metalor USA Refining Corporation	UNITED STATES OF AMERICA	CID001157	CFSI	North Attleboro	Massachusetts	
Gold	Metal?rgica Met-Mex Peñoles S.A. De C.V.	Metal?rgica Met-Mex Peñoles S.A. De C.V.	MEXICO	CID001161	CFSI	Torreón	Coahuila	
Gold	Met-Mex Peñoles, S.A.	Metal?rgica Met-Mex Peñoles S.A. De C.V.	MEXICO	CID001161	CFSI	Torreón	Coahuila	
Gold	Met-Mex Peñoles, S.A.	Metal?rgica Met-Mex Peñoles S.A. De C.V.	MEXICO	CID001161	CFSI	Torreón	Coahuila	
Gold	Mitsubishi Materials Corporation	Mitsubishi Materials Corporation	JAPAN	CID001188	CFSI	Naoshima	Coahuila	
Gold	Mitsui Kinzoku Co., Ltd.	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001193	CFSI	Takehara	Hiroshima	
Gold	Mitsui Mining and Smelting Co., Ltd.	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001193	CFSI	Takehara	Hiroshima</	

Gold	PAMP S.A.	PAMP S.A.	SWITZERLAND	CID001352	CFSI	Castel San Pietro	Ticino
Gold	Pan Pacific Copper Co Ltd.	JX Nippon Mining & Metals Co., Ltd.	JAPAN	CID000937	CFSI	Ôita	Ôita
Gold	Pease & Curren	Pease & Curren	UNITED STATES OF AMERICA	CID0002872	CFSI	Warwick	Rhode Island
Gold	Penglai Penggang Gold Industry Co., Ltd.	Penglai Penggang Gold Industry Co., Ltd.	CHINA	CID001362	CFSI	Penglai	Shandong
Gold	Perth Mint	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID0002030	CFSI	Newburn	Western Australia
Gold	Perth Mint (ANZ)	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID0002030	CFSI	Newburn	Western Australia
Gold	Prionsky Plant of Non-Ferrous Metals	Prionsky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION	CID001386	CFSI	Kasimov	Ryazan
Gold	Produits Artistiques de Métaux	PAMP S.A.	SWITZERLAND	CID001352	CFSI	Castel San Pietro	Ticino
Gold	PT Aneka Tambang (Persero) Tbk	PT Aneka Tambang (Persero) Tbk	INDONESIA	CID001397	CFSI	Jakarta	Java
Gold	PX Précinox S.A.	PX Précinox S.A.	SWITZERLAND	CID001498	CFSI	La Chaux-de-Fonds	Néuchâtel
Gold	Rand Refinery (Pty) Ltd.	Rand Refinery (Pty) Ltd.	SOUTH AFRICA	CID001512	CFSI	Germiston	Gauteng
Gold	Refinery LS-Nikko Copper Inc.	LS-NIKKO Copper Inc.	KOREA (REPUBLIC OF)	CID001078	CFSI	Onsan-eup	Ulsan
Gold	Remondis Argentina B.V.	Remondis Argentina B.V.	NETHERLANDS	CID002582	CFSI	Moerdijk	Noordijk
Gold	Republic Metals Corporation	Republic Metals Corporation	UNITED STATES OF AMERICA	CID002510	CFSI	Miami	Florida
Gold	Royal Canadian Mint	Royal Canadian Mint	CANADA	CID001534	CFSI	Ottawa	Ontario
Gold	SAAMP	SAAMP	FRANCE	CID002761	CFSI	Paris	Ile-de-France
Gold	Sabin Metal Corp.	Sabin Metal Corp.	UNITED STATES OF AMERICA	CID001546	CFSI	Williston	North Dakota
Gold	SAFINA A.S.	SAFINA A.S.	CZECH REPUBLIC	CID002290	CFSI	Vestec	Harare
Gold	Saganoseki Smelter & Refinery	JX Nippon Mining & Metals Co., Ltd.	JAPAN	CID000937	CFSI	Ôita	Ôita
Gold	Sai Refinery	Sai Refinery	INDIA	CID002853	CFSI	Parwanoo	Himachal Pradesh
Gold	Samdok Metal	Samduck Precious Metals	KOREA (REPUBLIC OF)	CID001555	CFSI	Namdong	Namdong
Gold	Samduck Precious Metals	Samduck Precious Metals	KOREA (REPUBLIC OF)	CID001555	CFSI	Namdong	Incheon
Gold	Samwon Metals Corp.	Samwon Metals Corp.	KOREA (REPUBLIC OF)	CID001562	CFSI	Changwon	Gyeongsangnam
Gold	SAXONIA Edelmetalle GmbH	SAXONIA Edelmetalle GmbH	GERMANY	CID002777	CFSI	Halsbrücke	Saxony
Gold	Schone Edelmetaal B.V.	Schone Edelmetaal B.V.	NETHERLANDS	CID001573	CFSI	Amsterdam	North Holland
Gold	SD (Samdok) Metal	Samduck Precious Metals	KOREA (REPUBLIC OF)	CID001555	CFSI	Namdong	Incheon
Gold	SEMPSA Joyeria Plateria S.A.	SEMPSA Joyeria Plateria S.A.	SPAIN	CID001585	CFSI	Madrid	Community of Madrid
Gold	Sempsa JP (Cookson Sempsa)	SEMPSA Joyeria Plateria S.A.	SPAIN	CID001585	CFSI	Madrid	Community of Madrid
Gold	Shandong Gold Mine(Laizhou) Smelter Co., Ltd.	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Shandong
Gold	Shandong Guoda Gold Co., Ltd.	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA	CID000651	CFSI	Zhaoyuan	Shandong
Gold	Shandong Tarzan Bio-Gold Industry Co., Ltd.	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA	CID001619	CFSI	Laizhou	Yantai
Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA	CID001619	CFSI	Laizhou	Yantai
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Shangdong Gold (Laizhou)	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Shandong
Gold	Shonan Plant Tanaka Kikinzoku	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Sichuan Tianze Precious Metals Co., Ltd.	Sichuan Tianze Precious Metals Co., Ltd.	CHINA	CID001736	CFSI	Chengdu	Sichuan
Gold	Singapore Tanaka	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Singway Technology Co., Ltd.	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA	CID002516	CFSI	Dayuan	Taoyuan
Gold	SMM	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798	CFSI	Saigo	Ehime
Gold	So Accurate Group, Inc.	So Accurate Group, Inc.	UNITED STATES OF AMERICA	CID001754	CFSI	Long Island City	New York
Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION	CID001756	CFSI	Shyolkovo	Moscow Region
Gold	Solar Applied Materials Technology Corp.	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	CID001761	CFSI	Tainan City	Taiwan
Gold	SOLAR CHEMICALAPPLIED MATERIALS TECHNOLOGY (KUN SHAN)	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	CID001761	CFSI	Tainan City	Taiwan
Gold	Solartech	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	CID001761	CFSI	Tainan City	Taiwan
Gold	Sudan Gold Refinery	Sudan Gold Refinery	SUDAN	CID002567	CFSI	Khartoum	Khartoum State
Gold	Sumitomo Kinzoku Kozan K.K.	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798	CFSI	Saigo	Ehime
Gold	Sumitomo Metal Mining Co., Ltd.	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798	CFSI	Saigo	Ehime
Gold	SungEel HiTech	SungEel HiTech	KOREA (REPUBLIC OF)	CID0022918	CFSI	Gunsan	North Jeolla Province
Gold	T.C.A S.p.A	T.C.A S.p.A	ITALY	CID002580	CFSI	Capolona	Tuscany
Gold	Takehara Refinery	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001193	CFSI	Takehara	Hiroshima
Gold	Tamano Smelter	JX Nippon Mining & Metals Co., Ltd.	JAPAN	CID000937	CFSI	Ôita	Ôita
Gold	Tanaka Denshi Kogyo K.K.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Electronics (Hong Kong) Pte. Ltd.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	TANAKA Electronics (Malaysia) SDN. BHD.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Electronics (Singapore) Pte. Ltd.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Kikinzoku International	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Kikinzoku Kogyo K.K.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Kikinzoku Kogyo K.K.	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	Tanaka Precious Metals	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875	CFSI	Hiratsuka	Kanagawa
Gold	The Great Wall Gold and Silver Refinery of China	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA	CID001909	CFSI	Chengdu	Sichuan
Gold	The Perth Mint	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID002030	CFSI	Newburn	Western Australia
Gold	The Refinery of Shandong Gold Mining Co., Ltd.	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916	CFSI	Laizhou	Shandong
Gold	Tokuriki Honten Co., Ltd.	Tokuriki Honten Co., Ltd.	JAPAN	CID001938	CFSI	Kuki	Saitama
Gold	Tongling Nonferrous Metals Group Co., Ltd.	Tongling Nonferrous Metals Group Co., Ltd.	CHINA	CID001947	CFSI	Tongling	Anhui
Gold	Tongling Nonferrous Metals Group Holdings Co., Ltd.	Tongling Nonferrous Metals Group Co., Ltd.	CHINA	CID001947	CFSI	Tongling	Anhui
Gold	Tony Goetz NV	Tony Goetz NV	BELGIUM	CID002587	CFSI	Antwerp	Antwerp
Gold	TOO Tau-Ken-Altyn	TOO Tau-Ken-Altyn	KAZAKHSTAN	CID002615	CFSI	Astana	Almaty
Gold	Torecom	Torecom	KOREA (REPUBLIC OF)	CID001955	CFSI	Asan	Chungcheong
Gold	Toyo Smelter & Refinery	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798	CFSI	Saigo	Ehime
Gold	Umicore Brasil Ltda.	Umicore Brasil Ltda.	BRAZIL	CID001977	CFSI	São Paulo	São Paulo
Gold	Umicore Precious Metals Thailand	Umicore Precious Metals Thailand	THAILAND	CID002314	CFSI	Dokmai	Pravet
Gold	Umicore S.A. Business Unit Precious Metals Refining	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM	CID001980	CFSI	Hoboken	Antwerp
Gold	United Precious Metal Refining, Inc.	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA	CID001993	CFSI	Alden	New York
Gold	Universal Precious Metals Refining Zambia	Universal Precious Metals Refining Zambia	ZAMBIA	CID002854	CFSI	Lusaka	Lusaka Province
Gold	Valcambi S.A.	Valcambi S.A.	SWITZERLAND	CID002003	CFSI	Balerna	Ticino
Gold	Western Australian Mint trading as The Perth Mint	Western Australian Mint trading as The Perth Mint	AUSTRALIA	CID002030	CFSI	Newburn	Western Australia
Gold	WIELAND Edelmetalle GmbH	WIELAND Edelmetalle GmbH	GERMANY	CID002778	CFSI	Prorzhem	Baden-Württemberg
Gold	Williams Advanced Materials	Materion	UNITED STATES OF AMERICA	CID001113	CFSI	Buffalo	New York
Gold	Xstrata	CCR Refinery - Glencore Canada Corporation	CANADA	CID000185	CFSI	Montréal	Quebec
Gold	Yamamoto Precious Metal Co., Ltd.	Yamamoto Precious Metal Co., Ltd.	JAPAN	CID002100	CFSI	Osaka	Kansai
Gold	Yamamoto Precision Metals	Yamamoto Precious Metal Co., Ltd.	JAPAN	CID002100	CFSI	Osaka	Kansai
Gold	Yantai NUS Safina tech environmental Refinery Co. Ltd.	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA	CID000651	CFSI	Zhaoyuan	Shandong
Gold	Yokohama Metal Co., Ltd.	Yokohama Metal Co., Ltd.	JAPAN	CID002129	CFSI	Sagamihara	Kanagawa
Gold	Yunnan Copper Industry Co., Ltd.	Yunnan Copper Industry Co., Ltd.	CHINA	CID000197	CFSI	Kunming	Yunnan
Gold	Zhao Jin Mining Industry Co Ltd	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhao Yuan Gold Mine	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhao Yuan Gold Smelter of ZhongJin	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhao Yuan Jin Kuang	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhaojin Mining Industry Co., Ltd.	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhaoyuan Gold Group	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622	CFSI	Zhaoyuan	Shandong
Gold	Zhongjin Gold Corporation Limited	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Sanmenxia	Henan
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224	CFSI	Zhaoyuan	Shandong
Gold	Zijin Kuang Ye Refinery	Zijin Mining Group Co., Ltd. Gold Refinery	CHINA	CID002243	CFSI	Shanghang	Henan
Gold	Zijin Mining Group Co., Ltd. Gold Refinery	Zijin Mining Group Co., Ltd. Gold Refinery	CHINA	CID002243	CFSI	Shanghang	Fujian
Gold	Zijin Mining Industry Corporation	Zijin Mining Group Co., Ltd. Gold Refinery	CHINA	CID002243	CFSI	Shanghang	Fujian
Gold	Smelter not listed						
Gold	Smelter not yet identified	Unknown	Unknown				
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	Changsha South Tantalum Niobium Co., Ltd.	CHINA	CID000211	CFSI	Changsha	Hunan
Tantalum	Changsha Southern	Changsha South Tantalum Niobium Co., Ltd.	CHINA	CID000211	CFSI	Changsha	Hunan
Tantalum	Conghua Tantalum and Niobium Smeltry	Conghua Tantalum and Niobium Smeltry	CHINA	CID000291	CFSI	Gonghua	Guangdong
Tantalum	D Block Metals, LLC	D Block Metals, LLC	UNITED STATES OF AMERICA	CID002504	CFSI	Constontia	North Carolina
Tantalum	Duoluoshan Sapphire Rare Metal Co Ltd	Duoluoshan	CHINA	CID000410	CFSI	Sihui City	Guangdong
Tantalum	Duoluoshan	Duoluoshan	CHINA	CID000410	CFSI	Sihui City	Guangdong
Tantalum	E.S.R. Electronics	E.S.R. Electronics	UNITED STATES OF AMERICA	CID002590	CFSI	Houston	Texas
Tantalum	Exotech Inc.	Exotech Inc.	UNITED STATES OF AMERICA	CID000456	CFSI	Pompano Beach	Florida
Tantalum	F & X	F&X Electro-Materials Ltd.	CHINA	CID000460	CFSI	Jiangmen	Guangdong
Tantalum	F&X Electro-Materials Ltd.	F&X Electro-Materials Ltd.	CHINA	CID000460	CFSI	Jiangmen	Guangdong
Tantalum	FIR Metals & Resource Ltd.	FIR Metals & Resource Ltd.	CHINA	CID002505	CFSI	Zhuzhou	Hunan
Tantalum	Global Advanced Metals Aizu	Global Advanced Metals Aizu	JAPAN	CID002558	CFSI	Aizuwakamatsu	Fukushima
Tantalum	Global Advanced Metals Boyertown	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA	CID002557	CFSI	Boyertown	Pennsylvania
Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	Guangdong Zhiyuan New Material Co., Ltd.	CHINA	CID000616	CFSI	Yingde	Guangdong
Tantalum	H.C. Starck Co., Ltd.	H.C. Starck Co., Ltd.	THAILAND	CID002544	CFSI	Map Ta Phut	Rayong
Tantalum	H.C. Starck GmbH Goslar	H.C. Starck GmbH Goslar	GERMANY	CID002545	CFSI	Goslar	Lower Saxony
Tantalum	H.C. Starck GmbH Laufenburg	H.C. Starck GmbH Laufenburg	GERMANY	CID002546	CFSI	Laufenburg	Baden-Württemberg
Tantalum	H.C. Starck Hermsdorf GmbH	H.C. Starck Hermsdorf GmbH	GERMANY	CID002547	CFSI	Hermsdorf	Thuringia
Tantalum	H.C. Starck Inc.	H.C. Starck Inc.	UNITED STATES OF AMERICA	CID002548	CFSI	Newton	Massachusetts
Tantalum	H.C. Starck Ltd.	H.C. Starck Ltd.	JAPAN	CID002549	CFSI	Mito	Ibaraki
Tantalum	H.C. Starck Smelting GmbH & Co. KG	H.C. Starck Smelting GmbH & Co. KG	GERMANY	CID002550	CFSI	Laufenburg	Baden-Württemberg
Tantalum	Hongyang King Xing Lifeng New Materials Co., Ltd.	Hongyang King Xing Lifeng New Materials Co., Ltd.	CHINA	CID002492	CFSI	Hongyang	Hunan
Tantalum	Hi-Temp	Hi-Temp Specialty Metals, Inc.	UNITED STATES OF AMERICA	CID000731	CFSI	Yaphank	New York
Tantalum	Hi-Temp Specialty Metals, Inc.	Hi-Temp Specialty Metals, Inc.	UNITED STATES OF AMERICA	CID000731	CFSI	Yaphank	New York
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA	CID002512	CFSI	Fengxin	Jiangxi
Tantalum	Jiangxi Tuohong New Raw Material	Jiangxi Tuohong New Raw Material	CHINA	CID002842	CFSI	Yichun	Jiangxi
Tantalum	Jiuliang JinXin Nonferrous Metals Co., Ltd.	Jiuliang JinXin Nonferrous Metals Co., Ltd.	CHINA	CID000914	CFSI	Jiuliang	Jiangxi
Tantalum	Jiuliang Tanbre Co., Ltd.	Jiuliang Tanbre Co., Ltd.	CHINA	CID000917	CFSI	Jiuliang	Jiangxi
Tantalum	Jiuliang Zhongao Tantalum & Niobium Co., Ltd.	Jiuliang Zhongao Tantalum & Niobium Co., Ltd.	CHINA	CID002506	CFSI	Jiuliang	Jiangxi
Tantalum	KEMET Blue Metals	KEMET Blue Metals	MEXICO	CID002539	CFSI	Matamoros	Tamaulipas
Tantalum	KEMET Blue Powder	KEMET Blue Powder	UNITED STATES OF AMERICA	CID002568	CFSI	Mound House	Nevada
Tantalum	King-Tan Tantalum Industry Ltd.	King-Tan Tantalum Industry Ltd.	CHINA	CID000973	CFSI	Yifeng	Jiangxi
Tantalum	LSM Brasil S.A.	LSM Brasil S.A.	BRAZIL	CID001076	CFSI	São João del Rei	Minas Gerais
Tantalum	Metallurgical Products India Pvt. Ltd. (MPIL)	Metallurgical Products India Pvt., Ltd.	INDIA	CID001163	CFSI	District Raigad	Maharashtra
Tantalum	Metallurgical Products India Pvt., Ltd.	Metallurgical Products India Pvt., Ltd.	INDIA	CID001163	CFSI	District Raigad	Maharashtra
Tantalum	Mineração Taboca S.A.	Mineração Taboca S.A.	BRAZIL	CID001175	CFSI	Presidente Figueiredo	Amazonas
Tantalum	Mitsui Mining and Smelting Co., Ltd.	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001192	CFSI	Omuta	Fukuoka
Tantalum	Mitsui Mining & Smelting	Mitsui Mining & Smelting	JAPAN	CID001192	CFSI	Omuta	Fukuoka
Tantalum	Molycorp Silmet A.S.	Molycorp Silmet A.S.	ESTONIA	CID001200	CFSI	Sillamäe	Ida-Virumaa
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA	CID001277	CFSI	Shizuishan City	Ningxia
Tantalum	Planssee SE Liezen	Planssee SE Liezen	AUSTRIA	CID002540	CFSI	Liezen	Syria
Tantalum	Planssee SE Reutte	Planssee SE Reutte	AUSTRIA	CID002556	CFSI	Reutte	Tyrol
Tantalum	Power Resources Ltd.	Power Resources Ltd.	MACEDONIA (THE FORMER YUGOS)	CID002847	CFSI	Skopje	The Skopje Statistical Region
Tantalum	QuantumClean	QuantumClean	UNITED STATES OF AMERICA	CID001508	CFSI	Fremont	California
Tantalum	Resind Indústria e Comércio Ltda.	Resind Indústria e Comércio Ltda.	BRAZIL	CID002707	CFSI	São João del Rei	Minas Gerais
Tantalum	RFH	RFH Tantalum Smeltry Co., Ltd.	CHINA	CID001522	CFSI	Zhuzhou	Hunan
Tantalum	RFH (Yanling Jincheng Tantalum & Niobium Co., Ltd)	RFH Tantalum Smeltry Co., Ltd.	CHINA	CID001522	CFSI	Zhuzhou	Hunan
Tantalum	RFH Tantalum Smeltry Co., Ltd.	RFH Tantalum Smeltry Co., Ltd.	CHINA	CID001522	CFSI	Zhuzhou	Hunan
Tantalum	Solkamsk	Solkamsk Magnesium Works OAO	RUSSIAN FEDERATION	CID001769	CFSI	Solkamsk	Perm Krai
Tantalum	Solkamsk Magnesium Works OAO	Solkamsk Magnesium Works OAO	RUSSIAN FEDERATION	CID001769	CFSI	Solkamsk	Perm Krai
Tantalum	Solkamsk Metal Works	Solkamsk Magnesium Works OAO	RUSSIAN FEDERATION	CID001769	CFSI	Solkamsk	Perm Krai
Tantalum	Taki Chemical Co., Ltd.	Taki Chemical Co., Ltd.	JAPAN	CID001869	CFSI	Harima	Hyogo
Tantalum	Taki Chemicals	Taki Chemical Co., Ltd.	JAPAN	CID001869	CFSI	Harima	Hyogo
Tantalum	Telex Metals	Telex Metals	UNITED STATES OF AMERICA	CID001891	CFSI	Croydon	Pennsylvania
Tantalum	Tranzact, Inc.	Tranzact, Inc.	UNITED STATES OF AMERICA	CID002571	CFSI	Lancaster	Pennsylvania
Tantalum	Ulba	Ulba Metallurgical Plant JSC	KAZAKHSTAN	CID001969	CFSI	Ust-Kamenogorsk	East Kazakhstan
Tantalum	Ulba Metallurgical Plant JSC	Ulba Metallurgical Plant JSC	KAZAKHSTAN	CID001969	CFSI	Ust-Kamenogorsk	East Kazakhstan
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	XinXing HaoRong Electronic Material Co., Ltd.	CHINA	CID002508	CFSI	YunFu City	Guangdong
Tantalum	Yichun Jin Yang Rare Metal Co., Ltd.	Yichun Jin Yang Rare Metal Co., Ltd.	CHINA	CID002307	CFSI	Yifeng	Jiangxi
Tantalum	Zhaoping Duoluoshan Non-ferrous Metals Co.,Ltd	Duoluoshan	CHINA	CID000410	CFSI	Sihui City	Guangdong
Tantalum							

Tin	Alent plc	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Alpha	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Alpha Metals	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Alpha Metals Korea Ltd.	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Alpha Metals Taiwan	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	An Thai Minerals Co., Ltd.	An Thai Minerals Co., Ltd.	VIET NAM	CID002825	CFSI	Quy Hop	Nghe An
Tin	An Vinh Joint Stock Mineral Processing Company	An Vinh Joint Stock Mineral Processing Company	VIET NAM	CID002703	CFSI	Quy Hop	Nghe An
Tin	Brand IMLI	PT Bukit Timah	INDONESIA	CID001428	CFSI	Pangkal Pinang	Bangka
Tin	Brand RBT	PT Refined Bangka Tin	INDONESIA	CID001460	CFSI	Sungailiat	Bangka
Tin	Chengfeng Metals Co Pte Ltd	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Chenzhou Yun Xiang mining limited liability company	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA	CID000228	CFSI	Qiaokou	Hunan
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA	CID000228	CFSI	Qiaokou	Hunan
Tin	China Rare Metal Material Co., Ltd.	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA	CID000244	CFSI	Yichun	Jiangxi
Tin	China Tin (Hechi)	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	China Tin Group Co., Ltd.	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	China Tin Lai Ben Smelter Co., Ltd.	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	China Yunnan Tin Co Ltd.	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	CNMC (Guangxi) PGMA Co., Ltd.	CNMC (Guangxi) PGMA Co., Ltd.	CHINA	CID000278	CFSI	Hezhou	Guangxi
Tin	Cookson	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Cookson (Alpha Metals Taiwan)	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Cookson Alpha Metals (Shenzhen) Co., Ltd.	Alpha	UNITED STATES OF AMERICA	CID000292	CFSI	Altoona	Pennsylvania
Tin	Cooper Santa	Cooperativa Metalurgica de Rondonia Ltda.	BRAZIL	CID000295	CFSI	Ariquemes	Rondonia
Tin	Cooperativa Metalurgica de Rondonia Ltda.	Cooperativa Metalurgica de Rondonia Ltda.	BRAZIL	CID000295	CFSI	Ariquemes	Rondonia
Tin	CooperMetal	Cooperativa Metalurgica de Rondonia Ltda.	BRAZIL	CID000295	CFSI	Ariquemes	Rondonia
Tin	CV Ayi Jaya	CV Ayi Jaya	INDONESIA	CID002570	CFSI	Sungailiat	Bangka
Tin	CV Dua Sekawan	CV Dua Sekawan	INDONESIA	CID002592	CFSI	Pangkal Pinang	Bangka
Tin	CV Gita Pesona	CV Gita Pesona	INDONESIA	CID000306	CFSI	Sungailiat	Bangka
Tin	CV JusTindo	PT Justindo	INDONESIA	CID000307	CFSI	Kabupaten	Bangka
Tin	CV NurJanah	PT Aries Kencana Sejahtera	INDONESIA	CID000309	CFSI	Pemali	Bangka
Tin	CV Serumpun Sebalai	CV Serumpun Sebalai	INDONESIA	CID000313	CFSI	Pangkalan	Bangka
Tin	CV Tiga Sekawan	CV Tiga Sekawan	INDONESIA	CID002593	CFSI	Pangkal Pinang	Bangka
Tin	CV Untied Smelting	CV Untied Smelting	INDONESIA	CID000315	CFSI	Pangkal Pinang	Bangka
Tin	CV Venus Inti Perkasa	CV Venus Inti Perkasa	INDONESIA	CID002455	CFSI	Pangkal Pinang	Bangka
Tin	Dowa	Dowa	JAPAN	CID000402	CFSI	Kosaka	Akita
Tin	Dowa Metaltech Co., Ltd.	Dowa	JAPAN	CID000402	CFSI	Kosaka	Akita
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy	VIET NAM	CID002572	CFSI	Tinh Tuc	Cao Bang
Tin	Elmet S.L.U.	Elmet S.L.U.	SPAIN	CID002774	CFSI	Berango	Vizcaya
Tin	EM Vinto	EM Vinto	BOLIVIA (PLURINATIONAL STATE	CID000438	CFSI	Oruro	Cercado
Tin	Empresa Metalurgica Vinto	EM Vinto	BOLIVIA (PLURINATIONAL STATE	CID000438	CFSI	Oruro	Cercado
Tin	Empresa Nacional de Fundiciones (ENAF)	EM Vinto	BOLIVIA (PLURINATIONAL STATE	CID000438	CFSI	Oruro	Cercado
Tin	ENAF	EM Vinto	BOLIVIA (PLURINATIONAL STATE	CID000438	CFSI	Oruro	Cercado
Tin	Estanho de Rondonia S.A.	Estanho de Rondonia S.A.	BRAZIL	CID000448	CFSI	Ariquemes	Rondonia
Tin	Fenix Metals	Fenix Metals	POLAND	CID000468	CFSI	Chmielów	Subcarpathian Voivodeship
Tin	Funsur Smelter	Minsur	PERU	CID001182	CFSI	Paracas	Ica
Tin	Gejiu City Datun Chengfeng Smelter	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Gejiu Fengming Metallurgy Chemical Plant	Gejiu Fengming Metallurgy Chemical Plant	CHINA	CID002848	CFSI	Gejiu	Yunnan
Tin	Gejiu Jinye Mineral Company	Gejiu Jinye Mineral Company	CHINA	CID002859	CFSI	Gejiu	Yunnan
Tin	Gejiu Kai Meng Industry and Trade LLC	Gejiu Kai Meng Industry and Trade LLC	CHINA	CID000942	CFSI	Gejiu	Yunnan
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA	CID000538	CFSI	Gejiu	Yunnan
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908	CFSI	Gejiu	Yunnan
Tin	Gejiu Zi-Li	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA	CID000555	CFSI	Gejiu	Yunnan
Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA	CID000555	CFSI	Gejiu	Yunnan
Tin	Guang Xi Liu Zhou	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	Guang Xi Liu Zhou	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	GuangXi China Tin	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	Guangxi Pinggui PGMA Co. Ltd.	CNMC (Guangxi) PGMA Co., Ltd.	CHINA	CID000278	CFSI	Hezhou	Guangxi
Tin	Guanyang Guida Nonferrous Metal Smelting Plant	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA	CID002849	CFSI	Guanyang	Guangxi
Tin	HuiChang Hill Tin Industry Co., Ltd.	HuiChang Hill Tin Industry Co., Ltd.	CHINA	CID002844	CFSI	Ganzhou	Jiangxi
Tin	Huichang Jinshunda Tin Co., Ltd.	Huichang Jinshunda Tin Co., Ltd.	CHINA	CID000760	CFSI	Ganzhou	Jiangxi
Tin	Huichang Shun Tin Kam Industries, Ltd.	Huichang Jinshunda Tin Co., Ltd.	CHINA	CID000760	CFSI	Ganzhou	Jiangxi
Tin	INDONESIAN STATE TIN CORPORATION MENTOK SMELTER	PT Timah (Persero) Tbk Mentok	INDONESIA	CID001482	CFSI	Mentok	Bangka
Tin	Indra Eramulti Logam	PT Bukit Timah	INDONESIA	CID001428	CFSI	Pangkal Pinang	Bangka
Tin	Jiangxi Ketai Advanced Material Co., Ltd.	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA	CID000244	CFSI	Yichun	Jiangxi
Tin	Jiangxi Nanshan	Nankang Nanshan Tin Manufactory Co., Ltd.	CHINA	CID001231	CFSI	Ganzhou	Jiangxi
Tin	Jiangxi Shunda Huichang Kam Tin Co., Ltd.	Huichang Jinshunda Tin Co., Ltd.	CHINA	CID000760	CFSI	Ganzhou	Jiangxi
Tin	Kai Union Industry and Trade Co., Ltd. (China)	Gejiu Kai Meng Industry and Trade LLC	CHINA	CID000942	CFSI	Gejiu	Yunnan
Tin	Kai Unita Trade Limited Liability Company	Gejiu Kai Meng Industry and Trade LLC	CHINA	CID000942	CFSI	Gejiu	Yunnan
Tin	Kundur Smelter	PT Timah (Persero) Tbk Kundur	INDONESIA	CID001477	CFSI	Kundur	Riau Islands
Tin	Liuzhou China Tin	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	Magnu's Minerals Metals e Ligas Ltda.	Magnu's Minerals Metals e Ligas Ltda.	BRAZIL	CID002468	CFSI	Sao João del Rei	Minas Gerais
Tin	Malaysia Smelting Corporation (MSC)	Malaysia Smelting Corporation (MSC)	MALAYSIA	CID001105	CFSI	Butterworth	Penang
Tin	Melt Metals e Ligas S.A.	Melt Metals e Ligas S.A.	BRAZIL	CID002500	CFSI	Ariquemes	Rondonia
Tin	Mentok Smelter	PT Timah (Persero) Tbk Mentok	INDONESIA	CID001482	CFSI	Mentok	Bangka
Tin	Metallic Materials Branch of Guangxi China Tin Group Co.,Ltd.	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	Metallic Resources, Inc.	Metallic Resources, Inc.	UNITED STATES OF AMERICA	CID001142	CFSI	Twinsburg	Ohio
Tin	Metallo-Chimique N.V.	Metallo-Chimique N.V.	BELGIUM	CID002773	CFSI	Beerse	Antwerp
Tin	Mineração Taboca S.A.	Mineração Taboca S.A.	BRAZIL	CID001173	CFSI	Bairro Guarapiranga	São Paulo
Tin	Minsur	Minsur	PERU	CID001182	CFSI	Paracas	Ica
Tin	Mitsubishi Materials Corporation	Mitsubishi Materials Corporation	JAPAN	CID001191	CFSI	Asago	Hyogo
Tin	Modeltech Sdn Bhd	Modeltech Sdn Bhd	MALAYSIA	CID002858	CFSI	Kawasan Perindustrian Bukit Ramba	Melaka
Tin	MSC	Malaysia Smelting Corporation (MSC)	MALAYSIA	CID001105	CFSI	Butterworth	Penang
Tin	Nankang Nanshan Tin Manufactory Co., Ltd.	Nankang Nanshan Tin Manufactory Co., Ltd.	CHINA	CID001231	CFSI	Ganzhou	Jiangxi
Tin	Nanshan Tin Co., Ltd.	Nankang Nanshan Tin Manufactory Co., Ltd.	CHINA	CID001231	CFSI	Ganzhou	Jiangxi
Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM	CID002573	CFSI	Quy Hop	Nghe An
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND	CID001314	CFSI	Nongkham Sriracha	Chonburi
Tin	O.M. Manufacturing Philippines, Inc.	O.M. Manufacturing Philippines, Inc.	PHILIPPINES	CID002517	CFSI	Cavite Economic Zone	Rosario Cavite
Tin	OMSA	Operaciones Metalurgica S.A.	BOLIVIA (PLURINATIONAL STATE	CID001337	CFSI	Oruro	Cercado
Tin	Operaciones Metalurgica S.A.	Operaciones Metalurgica S.A.	BOLIVIA (PLURINATIONAL STATE	CID001337	CFSI	Oruro	Cercado
Tin	PGMA	CNMC (Guangxi) PGMA Co., Ltd.	CHINA	CID000278	CFSI	Hezhou	Guangxi
Tin	Phoenix Metal Ltd.	Phoenix Metal Ltd.	RWANDA	CID002507	CFSI	Jabana	Kigali
Tin	PT Aries Kencana Sejahtera	PT Aries Kencana Sejahtera	INDONESIA	CID000309	CFSI	Pemali	Bangka
Tin	PT Artha Cipta Langgeng	PT Artha Cipta Langgeng	INDONESIA	CID001399	CFSI	Sungailiat	Bangka
Tin	PT ATD Makmur Mandiri Jaya	PT ATD Makmur Mandiri Jaya	INDONESIA	CID002503	CFSI	Sungailiat	Bangka
Tin	PT Babel Inti Perkasa	PT Babel Inti Perkasa	INDONESIA	CID001402	CFSI	Lintang	Bangka
Tin	PT Bangka Prima Tin	PT Bangka Prima Tin	INDONESIA	CID002776	CFSI	Kabupaten	Bangka
Tin	PT Bangka Tin Industry	PT Bangka Tin Industry	INDONESIA	CID001419	CFSI	Sungailiat	Bangka
Tin	PT Beltung Industri Sejahtera	PT Beltung Industri Sejahtera	INDONESIA	CID001421	CFSI	Pangkal Pinang	Bangka
Tin	PT Bukit Timah	PT Bukit Timah	INDONESIA	CID001428	CFSI	Pangkal Pinang	Bangka
Tin	PT Cipta Persada Mulla	PT Cipta Persada Mulla	INDONESIA	CID002696	CFSI	Pangkal Pinang	Bangka
Tin	PT DS Jaya Abadi	PT DS Jaya Abadi	INDONESIA	CID001434	CFSI	Pangkal Pinang	Bangka
Tin	PT Eumindo Usaha Mandiri	PT Eumindo Usaha Mandiri	INDONESIA	CID001438	CFSI	Karimun	Bangka
Tin	PT Indora Ermulti	PT Bukit Timah	INDONESIA	CID001428	CFSI	Pangkal Pinang	Bangka
Tin	PT Indra Eramult Logam Industri	PT Bukit Timah	INDONESIA	CID001428	CFSI	Pangkal Pinang	Bangka
Tin	PT Inti Stania Prima	PT Inti Stania Prima	INDONESIA	CID002530	CFSI	Sungailiat	Bangka
Tin	PT Justindo	PT Justindo	INDONESIA	CID000307	CFSI	Kabupaten	Bangka
Tin	PT Karimun Mining	PT Karimun Mining	INDONESIA	CID001448	CFSI	Karimun	Kepulauan Riau
Tin	PT Kijang Jaya Mandiri	PT Kijang Jaya Mandiri	INDONESIA	CID002829	CFSI	Sungailiat	Bangka
Tin	PT Lautan Harmonis Sejahtera	PT Lautan Harmonis Sejahtera	INDONESIA	CID002870	CFSI	Selatan	Bangka
Tin	PT Menara Cipta Mulla	PT Menara Cipta Mulla	INDONESIA	CID002835	CFSI	Timur	Bangka
Tin	PT Mitra Stania Prima	PT Mitra Stania Prima	INDONESIA	CID001453	CFSI	Sungailiat	Bangka
Tin	PT O.M. Indonesia	PT O.M. Indonesia	INDONESIA	CID002757	CFSI	Bekasi	West Java
Tin	PT Panca Mega Persada	PT Panca Mega Persada	INDONESIA	CID001457	CFSI	Sungailiat	Bangka
Tin	PT Prima Timah Utama	PT Prima Timah Utama	INDONESIA	CID001458	CFSI	Pangkal Pinang	Bangka
Tin	PT Refined Bangka Tin	PT Refined Bangka Tin	INDONESIA	CID001460	CFSI	Sungailiat	Bangka
Tin	PT Sariwiguna Binasentosa	PT Sariwiguna Binasentosa	INDONESIA	CID001463	CFSI	Pangkal Pinang	Bangka
Tin	PT Stanindo Inti Perkasa	PT Stanindo Inti Perkasa	INDONESIA	CID001468	CFSI	Pangkal Pinang	Bangka
Tin	PT Sukses Inti Makmur	PT Sukses Inti Makmur	INDONESIA	CID002816	CFSI	Kabupaten	Bangka
Tin	PT Sumber Jaya Indah	PT Sumber Jaya Indah	INDONESIA	CID001471	CFSI	Pangkal Pinang	Bangka
Tin	PT Tambang Timah	PT Timah (Persero) Tbk Kundur	INDONESIA	CID001477	CFSI	Kundur	Riau Islands
Tin	PT Timah (Persero) Tbk Kundur	PT Timah (Persero) Tbk Kundur	INDONESIA	CID001477	CFSI	Kundur	Riau Islands
Tin	PT Timah (Persero) Tbk Mentok	PT Timah (Persero) Tbk Mentok	INDONESIA	CID001482	CFSI	Mentok	Bangka
Tin	PT Tinindo Inter Nusa	PT Tinindo Inter Nusa	INDONESIA	CID001490	CFSI	Pangkal Pinang	Bangka
Tin	PT Tirus Putra Mandiri	PT Tirus Putra Mandiri	INDONESIA	CID002478	CFSI	Bogor	West Java
Tin	PT Tommy Utama	PT Tommy Utama	INDONESIA	CID001493	CFSI	Sumping Desa Batu Peyu	Bellitung
Tin	PT Wahana Perkit Jaya	PT Wahana Perkit Jaya	INDONESIA	CID002479	CFSI	Topang Island	Riau Province
Tin	Resind Indústria e Comércio Ltda.	Resind Indústria e Comércio Ltda.	BRAZIL	CID002706	CFSI	São João del Rei	Minas Gerais
Tin	Rui Da Hung	Rui Da Hung	TAIWAN, PROVINCE OF CHINA	CID001539	CFSI	Longtan Shiang Taoyuang	Taiwan
Tin	Shunda Huichang Kam Tin Co., Ltd.	Huichang Jinshunda Tin Co., Ltd.	CHINA	CID000760	CFSI	Ganzhou	Jiangxi
Tin	Smelting Branch of Yunnan Tin Company Ltd	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	Soft Metals Ltda.	Soft Metals Ltda.	BRAZIL	CID001758	CFSI	Bebedouro	São Paulo
Tin	Thai Solder Industry Corp., Ltd.	Thaisarco	THAILAND	CID001898	CFSI	Amphur Muang	Phuket
Tin	Thailand Smelting & Refining Co Ltd	Thaisarco	THAILAND	CID001898	CFSI	Amphur Muang	Phuket
Tin	Thaisarco	Thaisarco	THAILAND	CID001898	CFSI	Amphur Muang	Phuket
Tin	The Gejiu cloud new colored electrolytic	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908	CFSI	Gejiu	Yunnan
Tin	Tin Products Manufacturing Co.LTD. of YTCL	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	Toboca/ Paranapema	Mineração Taboca S.A.	BRAZIL	CID001173	CFSI	Bairro Guarapiranga	São Paulo
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIET NAM	CID002574	CFSI	Tan Quang	Tuyen Quang
Tin	Unit Timah Kundur PT Tambang	PT Timah (Persero) Tbk Kundur	INDONESIA	CID001477	CFSI	Kundur	Riau Islands
Tin	VQB Mineral and Trading Group JSC	VQB Mineral and Trading Group JSC	VIET NAM	CID002015	CFSI	Nguyen Van Ngoc	Hanoi
Tin	White Solder Metalurgia e Mineração Ltda.	White Solder Metalurgia e Mineração Ltda.	BRAZIL	CID002036	CFSI	Ariquemes	Rondonia
Tin	White Solder Metalurgica	White Solder Metalurgia e Mineração Ltda.	BRAZIL	CID002036	CFSI	Ariquemes	Rondonia
Tin	XiHai - Liuzhou China Tin Group Co Ltd	China Tin Group Co., Ltd.	CHINA	CID001070	CFSI	Laibin	Guangxi
Tin	YTCL	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	Yunan Gejiu Yunxin Electrolyze Limited	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908	CFSI	Gejiu	Yunnan
Tin	Yunnan Adventure Co., Ltd.	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Yunnan Chengfeng	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Yunnan Gejiu Zili Metallurgy Co., Ltd.	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA	CID000555	CFSI	Gejiu	Yunnan
Tin	YunNan Gejiu Yunxin Electrolyze Limited	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908	CFSI	Gejiu	Yunnan
Tin	Yunnan Tin Company Limited	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	Yunnan Tin Company, Ltd.	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	Yunnan wind Nonferrous Metals Co., Ltd.	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158	CFSI	Gejiu	Yunnan
Tin	Yuntinic Resources	Yunnan Tin Company Limited	CHINA	CID002180	CFSI	Gejiu	Yunnan
Tin	YUNXIN colored electrolysis Company Limited	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908	CFSI	Gejiu	Yunnan
Tin	Smelter not listed						
Tin	Smelter not yet identified						
Tungsten	A.L.M.T. TUNGSTEN Corp.	Unknown	Unknown				
Tungsten	ACL Metals Eireli	A.L.M.T. TUNGSTEN Corp.	JAPAN	CID000004	CFSI	Toyama City	Toyama
Tungsten	Allied Material Corporation	ACL Metals Eireli	BRAZIL	CID002833	CFSI	Aracariçama	São Paulo
Tungsten	ALMT Corp	A.L.M.T. TUNGSTEN Corp.	JAPAN	CID000004	CFSI	Toyama City	Toyama
Tungsten	ALMT Sumitomo Group	A.L.M.T. TUNGSTEN Corp.	JAPAN	CID000004	CFSI	Toyama City	Toyama
Tungsten	Asia Tungsten Products Vietnam Ltd.	Asia Tungsten Products Vietnam Ltd.	VIET NAM	CID002502	CFSI	Vinh Bao District	Hai Phong

Tungsten	ATI Metalworking Products	Kennametal Huntsville	UNITED STATES OF AMERICA	CID000105	CFSI	Huntsville	Alabama
Tungsten	ATI Tungsten Materials	Kennametal Huntsville	UNITED STATES OF AMERICA	CID000105	CFSI	Huntsville	Alabama
Tungsten	Chaozhou Xianglu Tungsten Industry Co., Ltd.	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	CID000218	CFSI	Chaozhou	Guangdong
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA	CID0002513	CFSI	Chenzhou	Hunan
Tungsten	China National Non Ferrous	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	CID000875	CFSI	Ganzhou	Jiangxi
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	CID000258	CFSI	Ganzhou	Jiangxi
Tungsten	Dayu Jincheng Tungsten Industry Co., Ltd.	Dayu Jincheng Tungsten Industry Co., Ltd.	CHINA	CID0002518	CFSI	Dayu Country	Jiangxi
Tungsten	Dayu Weiliang Tungsten Co., Ltd.	Dayu Weiliang Tungsten Co., Ltd.	CHINA	CID000345	CFSI	Ganzhou	Jiangxi
Tungsten	Fujian Jinxin Tungsten Co., Ltd.	Fujian Jinxin Tungsten Co., Ltd.	CHINA	CID000499	CFSI	Yanshi	Fujian
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	CID000875	CFSI	Ganzhou	Jiangxi
Tungsten	Ganzhou Jiangwu Ferritungsten Co., Ltd.	Ganzhou Jiangwu Ferritungsten Co., Ltd.	CHINA	CID0002315	CFSI	Ganzhou	Jiangxi
Tungsten	Ganzhou Sadrdragon W & Mo Co., Ltd.	Ganzhou Sadrdragon W & Mo Co., Ltd.	CHINA	CID002494	CFSI	Ganzhou	Jiangxi
Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	Ganzhou Yatai Tungsten Co., Ltd.	CHINA	CID002536	CFSI	Ganzhou	Jiangxi
Tungsten	Global Tungsten & Powders Corp.	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	CID000568	CFSI	Towanda	Pennsylvania
Tungsten	GTP	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	CID000568	CFSI	Towanda	Pennsylvania
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	CID000218	CFSI	Chaozhou	Guangdong
Tungsten	H.C. Starck GmbH	H.C. Starck GmbH	GERMANY	CID002541	CFSI	Goslar	Lower Saxony
Tungsten	H.C. Starck Smelting GmbH & Co.KG	H.C. Starck Smelting GmbH & Co.KG	GERMANY	CID002542	CFSI	Laufenburg	Baden-Württemberg
Tungsten	Human Chun-Chang non-ferrous Smelting & Concentrating Co., L	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	CID000769	CFSI	Hengyang	Hunan
Tungsten	Hunan Chenzhou Mining Co., Ltd.	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000766	CFSI	Yuanling	Hunan
Tungsten	Hunan Chenzhou Mining Group Co., Ltd.	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000766	CFSI	Yuanling	Hunan
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA	CID002579	CFSI	Hengyang	Hunan
Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	CID000769	CFSI	Hengyang	Hunan
Tungsten	Hydrometallurg. JSC	Hydrometallurg. JSC	RUSSIAN FEDERATION	CID002649	CFSI	Naichik	Kabardino-Balkar Republic
Tungsten	Japan New Metals Co., Ltd.	Japan New Metals Co., Ltd.	JAPAN	CID000825	CFSI	Akita City	Akita
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA	CID002551	CFSI	Ganzhou	Jiangxi
Tungsten	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	CHINA	CID002647	CFSI	Huanglong	Jiangxi
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA	CID002321	CFSI	Xiushui	Jiangxi
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA	CID002313	CFSI	Gao'an	Jiangxi
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA	CID002318	CFSI	Tonggu	Jiangxi
Tungsten	Jiangxi Tungsten Co Ltd	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	CID000875	CFSI	Ganzhou	Jiangxi
Tungsten	Jiangxi Tungsten Industry Group Co. Ltd.	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	CID000875	CFSI	Ganzhou	Jiangxi
Tungsten	Jiangxi Xinheng Tungsten Industry Co., Ltd.	Jiangxi Xinheng Tungsten Industry Co., Ltd.	CHINA	CID002317	CFSI	Ganzhou	Jiangxi
Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA	CID002535	CFSI	Xiushui	Jiangxi
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA	CID002316	CFSI	Ganzhou	Jiangxi
Tungsten	Kennametal Fallon	Kennametal Fallon	UNITED STATES OF AMERICA	CID000966	CFSI	Fallon	Nevada
Tungsten	Kennametal Huntsville	Kennametal Huntsville	UNITED STATES OF AMERICA	CID000105	CFSI	Huntsville	Alabama
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	Malipo Haiyu Tungsten Co., Ltd.	CHINA	CID002319	CFSI	Nanfeng Xiaozhai	Yunnan
Tungsten	Moliren Ltd	Moliren Ltd	RUSSIAN FEDERATION	CID002845	CFSI	Roshal	Moscow Region
Tungsten	Niagara Refining LLC	Niagara Refining LLC	UNITED STATES OF AMERICA	CID002589	CFSI	Depew	New York
Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM	CID002543	CFSI	Dai Tu	Thai Nguyen
Tungsten	Philippine Chuangxin Industrial Co., Inc.	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES	CID002827	CFSI	Marilao	Bulacan
Tungsten	Shaoguan Xinhai Rendian Tungsten Industry Co. Ltd	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	CHINA	CID002095	CFSI	Shaoguan	Guangdong
Tungsten	South-East Nonferrous Metal Company Limited of Hengyang City	South-East Nonferrous Metal Company Limited of Hengyang City	CHINA	CID002815	CFSI	Hengyang	Hunan
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM	CID001889	CFSI	Halong City	TayNinh
Tungsten	Unecha Refractory metals plant	Unecha Refractory metals plant	RUSSIAN FEDERATION	CID002724	CFSI	Unecha Town	Bryansk Region
Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM	CID002011	CFSI	Halong City	Quang Ninh
Tungsten	WBH	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	WBH,Wolfram [Austria]	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	Wolfram Bergbau und Hütten AG	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	Woltech Korea Co., Ltd.	Woltech Korea Co., Ltd.	KOREA (REPUBLIC OF)	CID002843	CFSI	Gyeongju	Gyeongsanbuk
Tungsten	Xiamen H.C.	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	CID002320	CFSI	Xiamen	Fujian
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	CID002320	CFSI	Xiamen	Fujian
Tungsten	Xiamen Tungsten Co., Ltd.	Xiamen Tungsten Co., Ltd.	CHINA	CID002082	CFSI	Xiamen	Fujian
Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Lt	CHINA	CID002830	CFSI	Ganzhou	Jiangxi
Tungsten	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	CHINA	CID002095	CFSI	Shaoguan	Guangdong
Tungsten	Zhangyuan Tungsten Co Ltd	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	CID000258	CFSI	Ganzhou	Jiangxi
Tungsten	Shaoguan Xinhai Rendian Tungsten Industry Co. Ltd	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	CHINA	CID002095	CFSI	Shaoguan	Guangdong
Tungsten	South-East Nonferrous Metal Company Limited of Hengyang City	South-East Nonferrous Metal Company Limited of Hengyang City	CHINA	CID002815	CFSI	Hengyang	Hunan
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM	CID001889	CFSI	Halong City	TayNinh
Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM	CID002011	CFSI	Halong City	Quang Ninh
Tungsten	WBH	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	WBH,Wolfram [Austria]	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	Wolfram Bergbau und Hütten AG	Wolfram Bergbau und Hütten AG	AUSTRIA	CID002044	CFSI	St. Martin i-S	Styria
Tungsten	Woltech Korea Co., Ltd.	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF	CID002843	CFSI	Gyeongju	Gyeongsanbuk
Tungsten	Xiamen H.C.	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	CID002320	CFSI	Xiamen	Fujian
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	CID002320	CFSI	Xiamen	Fujian
Tungsten	Xiamen Tungsten Co., Ltd.	Xiamen Tungsten Co., Ltd.	CHINA	CID002082	CFSI	Xiamen	Fujian
Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Lt	CHINA	CID002830	CFSI	Ganzhou	Jiangxi
Tungsten	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	Xinhai Rendian Shaoguan Tungsten Co., Ltd.	CHINA	CID002095	CFSI	Shaoguan	Guangdong
Tungsten	Zhangyuan Tungsten Co Ltd	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	CID000258	CFSI	Ganzhou	Jiangxi
Tungsten	Smelter not listed						
Tungsten	Smelter not yet identified	Unknown	Unknown				