Developed by the Conflict Minerals Data Exchange Task Group (E-31h) of the Supplier Declaration Subcommittee (E-31) of IPC in partnership with the following associations:

RMI – Responsible Minerals Initiative
JEITA – Japan
  Electronics and Information Technology Industries Association

Users of this publication are encouraged to participate in the development of future revisions.

Contact:
# Table of Contents

1 SCOPE .............................................................. 1  
1.1 Purpose ......................................................... 1  

2 APPLICABLE DOCUMENTS ................................... 1  
2.1 IPC ................................................................. 1  
2.1.1 IPC-T-50 ......................................................... 1  
2.2 International Organization for Standardization (ISO) ............ 1  
2.2.1 3166-1 .............................................................. 1  
2.2.2 3166-2 .............................................................. 1  
2.3 Informative References ....................................... 1  
2.3.1 Dodd-Frank Wall Street Reform and Consumer Protection Act (Section 1502) ......................... 1  
2.3.2 Regulation(EU) 2017/821 of the European Parliament and of the European Council of May 17, 2017 ........................................ 1  
2.3.3 Responsible Minerals Assurance Process (RMAP) Conformant Smelter List ............................ 1  
2.3.4 European Commission’s Responsible Global Smelter List ........................................ 2  
2.3.5 Organisation for Economic Co-operation and Development Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas .......................... 2  

3 REQUIREMENTS .................................................... 2  
3.1 Terms and Definitions ......................................... 2  
3.1.1 3TG ................................................................. 2  
3.1.2 Conflict Minerals Reporting Template (CMRT) ..................... 2  
3.1.3 Conflict Minerals ............................................... 2  
3.1.4 Covered Countries ............................................. 2  
3.1.5 Conflict-Affected and High-Risk Areas (CAHRAs) ............... 2  
3.1.6 Division ............................................................ 3  
3.1.7 DRC Conflict Free ............................................. 3  
3.1.8 Person Described .............................................. 3  
3.1.9 Product ............................................................ 3  
3.1.10 Recycled or Scrap Sources .................................... 3  
3.1.11 Requester ........................................................ 3  
3.1.12 Smelter .......................................................... 3  
3.2 Changes in Requirements ..................................... 3  

4 DESCRIPTION OF THE DECLARATION CLASSES .......... 3  
4.1 Company Class .................................................. 3  
4.2 Product (or List of Products) Class .............................. 3  
4.3 User-Defined Class .............................................. 4  

5 DATA REQUIREMENTS FOR A RESPONSIBLE MINERALS SOURCING DECLARATION .... 4  
5.1 Requester Information .......................................... 4  
5.1.1 Company Information ......................................... 4  
5.1.2 Request Information ............................................ 4  
5.1.3 Contact Information .......................................... 5  
5.1.4 Other Descriptions ............................................ 5  
5.2 Product Information ............................................ 5  
5.2.1 Requester Product Number .................................. 6  
5.2.2 Requester Product Name ...................................... 6  
5.2.3 Manufacturer’s Product Number .............................. 6  
5.2.4 Manufacturer’s Product Name ................................ 6  
5.2.5 Manufacturer’s Product Version ............................. 6  
5.2.6 Manufacturing Site ............................................ 6  
5.2.7 Effective Date .................................................. 6  
5.2.8 Effective End Date ............................................ 6  
5.2.9 Instance ID ....................................................... 6  
5.2.10 Instance ID Authority ......................................... 6  
5.3 Supplier Information ............................................. 7  
5.3.1 Company Information ......................................... 7  
5.3.2 Response Status ............................................... 7  
5.3.3 Contact Information .......................................... 7  
5.3.4 Other Descriptions ............................................ 7  
5.4 Declaration Specifics .......................................... 8  
5.4.1 Commitment to the Data Provided in a Completed Declaration ........................................ 8  
5.4.2 Legal Statement .............................................. 8  
5.4.3 Supplier Signature ............................................. 8  
5.5 Attachments ....................................................... 8  

6 QUERY LIST ......................................................... 9  
6.1 3TG Reporting .................................................... 9  
6.1.1 Use of 3TG ...................................................... 9  
6.1.2 3TG Sources .................................................... 9  
6.2 Due Diligence ..................................................... 10  
6.2.1 Have you established a responsible minerals sourcing policy? ........................................ 10  
6.2.2 Is your responsible minerals sourcing policy publicly available on your website? ............... 10  
6.2.3 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? .......... 11  
6.2.4 Have you implemented due diligence measures for responsible sourcing? ...................... 11  

5.3.5 Other Descriptions ............................................ 7  
5.4 Declaration Specifics .......................................... 8  
5.4.1 Commitment to the Data Provided in a Completed Declaration ........................................ 8  
5.4.2 Legal Statement .............................................. 8  
5.4.3 Supplier Signature ............................................. 8  
5.5 Attachments ....................................................... 8  

6 QUERY LIST ......................................................... 9  
6.1 3TG Reporting .................................................... 9  
6.1.1 Use of 3TG ...................................................... 9  
6.1.2 3TG Sources .................................................... 9  
6.2 Due Diligence ..................................................... 10  
6.2.1 Have you established a responsible minerals sourcing policy? ........................................ 10  
6.2.2 Is your responsible minerals sourcing policy publicly available on your website? ............... 10  
6.2.3 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? .......... 11  
6.2.4 Have you implemented due diligence measures for responsible sourcing? ...................... 11
6.2.5 Does your company conduct, Conflict Minerals survey(s) of your relevant supplier(s)? ......................................................... 11
6.2.6 Do you review due diligence information received from your suppliers against your company’s expectations? ............................. 11
6.2.7 Does your review process include corrective action management? ................................................................. 11
6.2.8 Is your company required to file an annual conflict minerals disclosure ............................................................. 11
6.3 Smelter Identification List ................................................. 11
6.3.1 Metal ........................................................................ 11
6.3.2 Smelter Identification ................................................ 11
6.3.3 Smelter Country ...................................................... 12
6.3.4 Smelter Contact Information ........................................ 12
6.3.5 Does 100% of the smelter’s feedstock originate from recycled or scrap sources? ............................................... 12
6.3.6 Proposed Next Steps ................................................ 12
6.3.7 Name of Mines .......................................................... 12
6.3.8 Location (country) of Mine(s) ...................................... 12
6.3.9 Comments ................................................................ 12
6.4 Cobalt Reporting .......................................................... 12
6.4.1 Use of Cobalt ........................................................... 12
6.4.2 Cobalt Sources ........................................................ 13
6.5 Cobalt Due Diligence ..................................................... 13
6.5.1 Have you established a publicly available cobalt sourcing policy? ............................................................. 13
6.5.2 Does your policy cover, at a minimum, all risks in the OECD Due Diligence Guidance Annex II Model Policy, as well as the worst forms of child labor? ................................................... 13
6.5.3 Have you implemented due diligence measures for cobalt in the declaration scope indicated above? ................................................................. 14
6.5.4 Do you require suppliers to exercise due diligence over the cobalt supply chain in accordance with the OECD Due Diligence Guidance? ................................................................. 14
6.5.5 Do you require your direct suppliers to source cobalt from smelters whose due diligence practices have been validated by an independent third-party audit program? ....... 14
6.5.6 Does your company conduct cobalt supply chain survey(s) of your relevant supplier(s)? ... 14
6.5.7 Do you review due diligence information received from your suppliers against your company’s expectations? ............................. 14
6.5.8 Does your review process include corrective action management? ................................................................. 14

Appendix A Field Mapping and Descriptions ...... 15
Appendix B List of Covered Countries .................. 19
Appendix C 3TG List ..................................................... 20
Appendix D Conflict-Affected and High-Risk Areas (CAHRAs) ................................................................. 21
Appendix E Verification Guidance ........................................ 22
Appendix F The SEC Conflict Minerals Rule, pursuant to Section 1502 of the Dodd-Frank ..................................................... 23
Appendix G IPC-1751A Fields Not Relevant to IPC-1755 ................................................................. 26
Appendix H IPC-1755A XML Schema ...................................... 27
Reference List A Resource for identifying CAHRAs ......................... 32

Tables
Table 5-1 Applicability of Product Information Data Fields to Appropriate Declaration Class ............. 7
Table A-1 IPC-1755 Data Fields Name Mapping to Descriptive Sections in the Standard ................ 15
Table A-2 Query ID Values for Reporting About An Organization's Products Using ConflictMetalQueryList .................................................. 17
Table A-3 Query ID Values for Reporting About An Organization's 3TG Due Diligence Process Using General Queries .................................................. 17
Table A-4 Query ID Values for Reporting About An Organization's Products Using Cobalt Specific Queries .................................................. 18
Table A-5 Query ID Values for Reporting About An Organization's Cobalt Due Diligence Process Using General Queries for Cobalt .................................................. 18
Table B-1 Covered Countries ................................................. 19
Table C-1 3TG ................................................................. 20
Responsible Sourcing of Minerals Data Exchange Standard

1 SCOPE
This standard establishes the requirements for exchanging data between suppliers and their customers in regard to the responsible sourcing of minerals. This standard originally addressed conflict minerals within the scope of the Dodd-Frank Act in the US and now addresses global responsible minerals sourcing.

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 applies to business-to-business transactions. It is not intended to be used by the general public when making purchasing decisions. This standard is not a compliance guide.

1.1 Purpose This standard is intended to benefit suppliers and their customers by providing consistency and efficiency to the responsible sourcing of minerals data exchange declaration process. It establishes standard electronic data exchange formats that will facilitate and improve data transfer along the entire global supply chain.

2 APPLICABLE DOCUMENTS
The following documents can be used as references to the extent specified herein. The revision of the document in effect at the time of solicitation shall take precedence.

2.1 IPC1

2.1.1 IPC-T-50 Terms and Definitions for Interconnecting and Packaging Electronic Circuits

2.2 International Organization for Standardization (ISO)

2.2.1 3166-1 Codes for the representation of names of countries and their subdivisions – Part 1: Country codes

2.2.2 3166-2 Codes for the representation of names of countries and their subdivisions – Part 2: Country Subdivision codes

2.3 Informative References
The following references are related to the standard but are not required for usage of the standard.

2.3.1 Dodd-Frank Wall Street Reform and Consumer Protection Act (Section 1502)2 Section 1502 of the Dodd-Frank Act requires that all companies that file reports with the SEC disclose their use of conflict minerals.

The U.S. Securities and Exchange Commission (SEC) is the agency responsible for developing and enforcing conflict minerals reporting rules under Section 1502.3 The SEC rules implementing Section 1502 are found in 17 CFR part 240 and 249b.

Note: Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act will be referred to in this standard as Section 1502. The SEC rules implementing Section 1502 will be referred to in this standard as the SEC rules.

2.3.2 Regulation(EU) 2017/821 of the European Parliament and of the European Council of May 17, 20174 Laying down supply chain due diligence for European Union (EU) importers of tin, tantalum and tungsten, their ores, and gold originating from conflict-affected and high-risk areas.

2.3.3 Responsible Minerals Assurance Process (RMAP) Conformant Smelter List Responsible Minerals Assurance Process (RMAP) Conformant Smelter List is a published list of smelters and refiners which have undergone assessment

---