



IPC-1754

Materials Declaration Standard for Aerospace and Defense

Developed by the Materials and Substances Declaration for the Aerospace, Defense, HE and Other Industries (2-18k) of the Supplier Declaration Subcommittee (2-18) of IPC

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

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Table of Contents

1	SCOPE	1	5.2.3	Use Descriptor List	7
1.1	Purpose	1	5.3.1	Requester	7
2	APPLICABLE DOCUMENTS	1	5.3.2	Supplier	7
2.2	Other References	1	5.3.4	Material	7
2.2.2	REACH	1	5.3.5	Substance	8
3	TERMS AND DEFINITIONS	1	5.3.6	Product Group	8
3.1	Article	1	5.3.7	Substances in Product	8
3.2	Bill of Material (BOM)	1	5.3.8	Process	8
3.3	CAGE Code	2	5.3.9	Substances in Process	8
3.4	Declarable Substance List (DSL)	2	5.3.10	Character set	8
3.5	Due Diligence	2	5.3.11	Date Format	8
3.6	DUNS® Number	2	5.4	Use Cases	8
3.7	Full Substance Declaration (FSD)	2	5.4.1	Declaration Modes	8
3.8	Homogeneous Material	2	5.4.2	Single Product Use Case	8
3.9	Maintenance	2	5.4.3	Multiple Product Use Cases	8
3.10	Material	2	5.4.4	Product Unit Types	9
3.11	Product	2	5.4.5	Declaration of Subproducts	9
3.12	Overhaul/Refurbishment	2	5.4.6	BOM Level Declaration	10
3.13	Product Group	2	5.4.7	Declaration of Materials	10
3.14	Product Operations	2	5.4.8	Article Flag	10
3.15	Production Process	2	5.4.9	Substance Mass Reporting	10
3.16	Query List	2	6	DATA MODEL AND SCHEMA	11
3.17	Repair	3	6.1	Overview of the Data Schema	11
3.18	Requester	3	6.1.1	Conceptual Data Model	11
3.19	Subproduct	3	6.1.2	Principles of the Schema	12
3.20	Substances	3	6.1.3	Design of the Schema	12
3.21	Supplier	3	6.1.4	Subsectional Structure	13
3.22	Threshold Level	3	6.1.5	Product Group	13
3.23	Use Descriptor List	3	6.2	Data Exchange Schema Definition	13
4	OVERVIEW OF MATERIALS AND SUBSTANCES DECLARATION	3	7	DESCRIPTION OF THE DATA FIELDS	13
4.1	IPC-175x Family of Standards	3	7.1.1	Query List	13
4.2	Overview of Declaration Classes	3	7.1.2	Declarable Substance List	14
4.3	Visual Representation of Materials and Substances Declarations	4	7.1.3	Use Descriptor List	15
5	REQUIREMENTS	4	7.2	Requester	15
5.1	Declaration Classes	5	7.3	Supplier	17
5.1.1	Product Statement Declaration (Class E)	5	7.3.3	Supplier Authorizer	18
5.1.2	Declarable Substance Declaration (Class F)	6	7.4	Product	19
5.1.3	Extended Substance Declaration (Class G)	6	7.5.1	Authorization Acceptance	20
5.2	Data Requirements for Lists	6	7.6	Attachments	20
5.2.1	Declarable Substance List	6	7.6.1	Attachment Name	20
5.2.2	Query List	6	7.6.2	File Type	20
			7.6.3	Data File	20
			7.7	Product Statement	20

7.7.1	Query List ID	21
7.8	Material	21
7.9	Substance	22
7.9.1	Substance Identification	22
7.9.2	Substance Mass Substance	22
8	ACRONYMS	23
APPENDIX A	(Informative) User's Best Practices	25
APPENDIX B	(Informative) Recommendations to Solution Providers	26
APPENDIX C	(Informative) Comparison of IPC-1754 with IPC-1751A AND IPC-1752A	27
APPENDIX D	(Informative) Lists Definition	29
APPENDIX E	(Normative) Data Exchange Model and Schema Mapping	31
Appendix F	(Normative) Implementation Rules	40

Figures

Figure 4-1	Data Structure of the Declaration	4
Figure 5-1	Usage of Classes in the Standard	5
Figure 5-2	Product and Subproduct BOM Level	10
Figure 6-1	Conceptual Data Model	11
Figure 7-1	Query List Data	14
Figure 7-2	Declarable Substance List Data	14
Figure 7-3	Use Descriptor List Data	15
Figure 7-4	Requester Data	15
Figure 7-5	Supplier and Authorizer Data	17
Figure 7-6	Product Data	18
Figure 7-7	Authorization Acceptance Data	20
Figure 7-8	Attachments	20
Figure 7-9	Product Statement Data	21
Figure 7-10	Material Data	21
Figure 7-11	Substance Data	22

Tables

Table 4-1	Declaration Classifications	3
Table 6-1	Mapping of Data Groups to Subsectionals and Schema Elements	13
Table 7-1	Examples of Substance Mass Data	22
Table C1	Similar Features with IPC-1752A and IPC-1754	27
Table C2	Differences between IPC-1754 and IPC-1751A	27
Table C3	Differences between IPC-1754 and IPC-1752A	28
Table D1	IAEG® Aerospace and Defence Industry Query List	29
Table D2	Excerpt from the ECHA Use Descriptor List	30
Table E1	Query List Mapping	31
Table E2	Declarable Substance List Mapping	32
Table E3	Use Descriptor List Mapping	32
Table E4	Requester Mapping	33
Table E5	Supplier Contact Mapping	34
Table E6	Supplier Authorizer Mapping	35
Table E7	Authorization Mapping	35
Table E8	Product Group Mapping	36
Table E9	Product Mapping	36
Table E10	Product Statement Mapping	37
Table E11	Substances in Product Mapping	38
Table E12	Substances in Process Mapping	39

Materials Declaration Standard for Aerospace and Defense

1 SCOPE

This standard establishes the requirements for exchanging material and substance data for Products between suppliers and their customers for Aerospace and Defence (AD), Heavy Equipment (HE) and other industries.

This standard covers the process for exchanging data on chemical substances (“Substances”) that may be present in materials, used in production, operations, maintenance, repair or overhaul/refurbishment of the supplied product or subproduct.

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.

Multiple Declarable Substance Lists (DSL) designated by various industries may be applicable to this standard for reporting purposes. One example of an industry designated DSL is the International Aerospace Environmental Group (IAEG®) Aerospace and Defence Declarable Substances List (AD-DSL).

1.1 Purpose This standard covers specific requirements for data as described in the Scope to be exchanged between a supplier and a requester.

2 APPLICABLE DOCUMENTS

The following documents may be used as references to the extent specified herein. Unless otherwise specified, documents below that are in effect at the time of supplier declaration **shall** take precedence.

2.1 IPC¹

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

IPC-1751A Generic Requirements for Declaration Process Management

2.2 Other References This standard is not limited to the regulatory requirements referenced below. Any requester may add additional requirements as needed.

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

2.2.1 IPC¹

IPC-1752A Materials Declaration Management

2.2.2 REACH *Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)*. http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm. REACH imposes market and use constraints and reporting requirements for substances, including those present in articles. An article is defined later in Section 3.1.2.

2.2.3 EU RoHS *Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)*.

3 TERMS AND DEFINITIONS

The following definitions are aligned with IPC-1751A, IPC-1752A, and IPC T-50. An asterisk (*) by the end of the term indicates that the definition is unique to IPC-1754.

3.1 Article* An object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.

Source: EU REACH 1907/2006 legislation, *Article 3(3)*.

3.2 Bill of Material (BOM)* A list of the raw materials, sub-assemblies, intermediate assemblies, sub-components, parts and the quantities needed for a product structure.

1. www.ipc.org