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Interested committees:

Title: BS EN IEC 62402-3 Obsolescence Management

Part 3: Data repository and exchange of information regarding change and discontinuance of products and items

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



56/2047/CD

COMMITTEE DRAFT (CD)

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SUPERSEDES DOCUMENTS:

IEC TC 56 : DEPENDABILITY

SECRETARIAT:

United Kingdom

SECRETARY:

Ms Stephanie Lavy

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 107

PROPOSED HORIZONTAL STANDARD:



Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☒ QUALITY ASSURANCE

☐ SAFETY

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).

TITLE:

Obsolescence Management Part 3: Exchange of information regarding change and discontinuance of products

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IEC 62402-3

2024-01-29_IEC62402-3 CD

INTERNATIONAL STANDARD

OBSOLESCENCE MANAGEMENT -

Part 3 Exchange of information regarding change and discontinuance of products

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OBSOLESCENCE MANAGEMENT –

Part 3: Exchange of information regarding change and discontinuance of products

FOREWORD

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IEC 62402-3 has been prepared by IEC technical committee TC56: Dependability WG3 MT20. It is an International Standard.

This first committee draft is based on the previous standard with some modifications:

- a) VDMA 24903:2017-12 Obsolescence management — Exchange of information regarding change and discontinuance of products and items;

72 The text of this International Standard is based on the following documents:

Draft	Report on comments
XX/XX/CD	XX/XX/CC

73
74 Full information on the voting for its approval can be found in the report on voting indicated in the
75 above table.

76 The language used for the development of this International Standard is English.

77 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
78 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at
79 www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in
80 greater detail at www.iec.ch/standardsdev/publications.

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INTRODUCTION

The availability of sub-items (components) can be significantly shorter than those of the life cycle of items (products) in which they are integrated. This causes items to change due to sub-item discontinuance throughout any supply chain.

This document specifies consistent terms for notices to provide for an automated data exchange within any supply chain of items.

This document specifies minimum requirements for the information content of notices as well as guidance for interfaces which enables data exchange. An automated data exchange is described in Annex A.

When applying this document, the manual effort currently caused by availability queries and further enquiries by all stakeholders is significantly reduced, thus supporting the plan owner's technology monitoring (also known as 'trade studies') for obsolescence management.

This document defines a notification format for the obsolescence management discipline to be able to treat obsolescence risks and resolve obsolescence issues in a timely manner according to:

IEC 62402-1, Obsolescence Management Part 1: Policy, plan, and process.

1 Scope

This document provides requirements and guidance for digital communication throughout any supply chain.

This document covers the following areas:

- terms required for notifications;
- requirements for any supply chain including notification periods and dates;
- requirements for the information content of notifications;
- requirements for data exchange formats for the computerized processing of notifications.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEV 192:2016, *International Electrotechnical Vocabulary — Part 192: Dependability*

IEC 62402-1, *Obsolescence Management Part 1: Policy, plan and process*

IEC 62402-2, *Obsolescence Management Part 2: Forecasting obsolescence cost*

ISO/IEC 21320-1:2015, *Information technology Document Container File — Part 1: Core*

EN ISO 3166-1, *Codes for the representation of names of countries and their subdivisions — Part 1: Country codes (ISO 3166-1:2013)*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC62402-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1.1

document container file

digital resource that conforms to ISO/IEC 21320-1

[SOURCE: ISO/IEC 21320-1:2015, 3.3, mod.]

3.1.2

end of production

EOP

date of discontinuance from manufacture

[SOURCE: IEC 62402-1, 3.1.4]

3.1.3

end of sale

EOS

date items can no longer be purchased from the manufacturer

Note 1 to entry: For software items, no longer licenced.

3.1.4

end of service, maintenance and repair

EOSR

date of the end of service life, maintenance activities and repair

3.1.5

item

subject being considered

Note 1 to entry: The item may be an individual part, component, device, functional unit, equipment, subsystem, or system.

Note 2 to entry: The item may consist of hardware, software, people or any combination thereof.

Note 3 to entry: The item is often comprised of elements that may each be individually considered. See sub item (192-01-02) and indenture level (192-01-05).

Note 4 to entry: IEC 60050-191:1990 (now withdrawn; replaced by IEC 60050-192:2015) identified the term "entity" as an English synonym, which is not true for all applications.

Note 5 to entry: The definition for item in IEC 60050-191:1990 (now withdrawn; replaced by IEC 60050-192:2015) is a description rather than a definition. This new definition provides meaningful substitution throughout this document. The words of the former definition form new note 1.

[SOURCE: IEV 192-01-01]

3.1.6

notification format

computerized exchange of change and discontinuance data of an item

Note 1 to entry: Details of this exchange format is based on an existing XML implementation, see the Bibliography[5]

3.1.7**product**

output of a manufacturer that can be produced without any transaction taking place between the manufacturer and the customer

Note 1 to entry: Production of a product is achieved without any transaction necessarily taking place between provider and customer, but can often involve this service element upon its delivery to the customer.

Note 2 to entry: The dominant element of a product is that it is generally tangible.

Note 3 to entry: Hardware is tangible and its amount is a countable characteristic (e.g. tyres). Processed materials are tangible and their amount is a continuous characteristic (e.g. fuel and soft drinks). Hardware and processed materials are often referred to as goods. Software consists of information regardless of delivery medium (e.g. computer programme, mobile phone app, instruction manual, dictionary content, musical composition copyright, driver's license).

[SOURCE: ISO 9000:2015 3.7.6 Modified: organisation -> manufacturer]

3.1.8**product change notice****PCN**

notification from a manufacturer announcing a change of process, properties, characteristics or specification of an item

[SOURCE: IEC 62402-1, 3.1.17 modified]

3.1.9**product discontinuance notice****PDN**

notification from a manufacturer announcing, end of production of an item

[SOURCE: IEC 62402-1, 3.1.18 modified]

3.1.10**product errata notice****PEN**

notification from a manufacturer announcing corrections to documentation of the item

3.1.11**product general notice****PGN**

notification from a manufacturer announcing product innovation, technology strategies, roadmap adjustments of the item

3.1.12**start of production****SOP**

date items begin to be available from the manufacturer

3.2 Abbreviated Terms

EOP End Of Production

EOS End Of Sale

EOSR End Of Service, maintenance and Repair

LTD Last Time Delivery

NRND Not Recommended for New Design

PCN Product Change Notice

PDN Product Discontinuance Notice

PEN Product Errata Notice

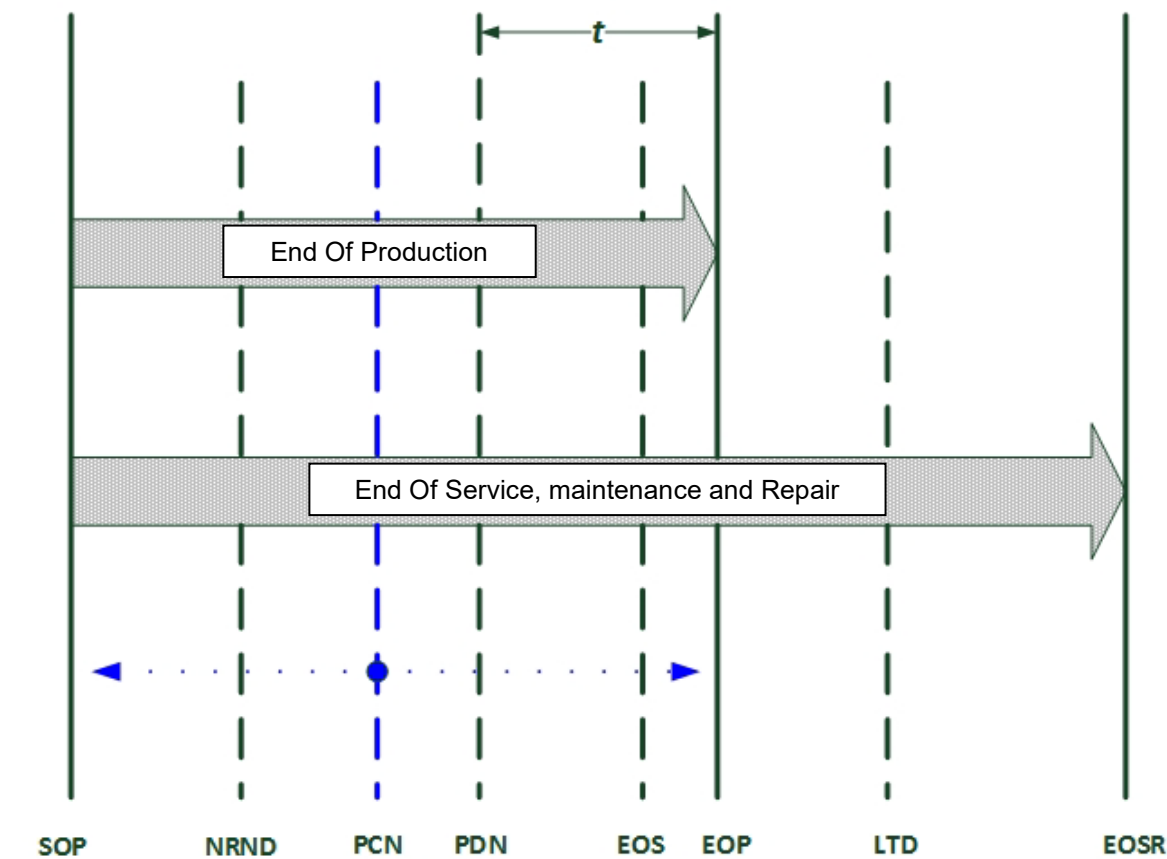
PGN Product General Notice

SOP Start Of Production

4 Life cycle of items

4.1 General

Due to the large number of product change notices (PCN) or product discontinuance notices (PDN) from different sources, a uniform terminology is essential for processing. In the following, these will be specified and assigned in a typical chronological sequence.



Key

SOP	Start Of Production
NRND	Not Recommended for New Design
NOTE: Remove item(s) from technology strategy.	
PCN	Product change notice
NOTE: Can occur more than once in the period of production.	
PDN	Product Discontinuance Notice
EOS	End Of Sale
NOTE: Corresponds to Last Time Buy, can also be between EOP and LTD.	
EOP	End Of Production
LTD	Last Time Delivery
EOSR	End Of Service, maintenance and Repair
t	Notification period - see Clause 5.2.

Figure 1 — Overview of the terminology in a possible life cycle

5 Requirements for the supply chain

5.1 Communication of information

Obsolescence Management IEC62402-1 Clause 6.5 'partnering agreements between organizations' recommends: *All organizations in the supply chain should have agreements which should include information exchange on obsolescence, with appropriate time-limits and exchange formats. Information exchange between organizations within the agreement or contract should include the reporting of notices (PCNs, PDNs, PEN & PGN.) up the supply chain.* The minimum requirements are specified in Clause 7.

Manufacturers shall provide a notification for their item(s) to be available for at least the period of replacement evaluation of design and qualification of the integrated technologies ^(Foot Note 1).

The manufacturer identifies the items on the notification, by means of a unique identification, e.g. the 'manufacturer part number' of the item.

5.2 Required notification periods and dates

The recipient of a notification, needs sufficient time to execute the plan owners' risk assessment and resolution actives according to the owners of the obsolescence management plan, in accordance with IEC62402-1, and/or to implement corresponding resolutions.

After a discontinuance, the recipient of a notification, shall be given the chance to:

- qualify substitutes;
- check the extent of the design change required;
- determine the quantities required to be stocked for the Life of Need Buy;
- inform on the consequences to be expected, if any.

For the set notification periods t to be observed in the context of item notifications (see Figure 1), the following periods shall apply as soon as possible:

- a) typically, **12** months planned by the manufacturer (PGN);
- b) at least **3** months for changes (PCN);
- c) at least **6** months for discontinuance (PDN).

If external constraints, e.g. legal provisions coming into force on a short-time basis, suddenly occurring force-majeure or unforeseen reclaims of items, lead to a notification, then the manufacturer shall make every effort to provide the information listed in Clause 5, as soon as possible.

6 Information required for notifications

6.1 General

If not agreed otherwise, change(s), discontinuance(s) or errata shall be formulated in English and/or in the official language of the country of the plan owner. When issuing a notification for an item, the manufacturer shall provide at least the following information described as a basis for Clause 7:

6.1.1 Manufacturer's master data

- a) notification title;
- b) notification type: change, discontinuance, errata and general;
- c) company name or commonly used brand/trade name of the company;
- d) relevant contact details;
- e) identification key (ID) of the notice;
- f) date of publication;
- g) revision number, optional.

6.1.2 Manufacturer's items affected

- a) unique manufacturer part number(s);
- b) type designation and/or drawing number, if applicable;
- c) designation (name/short text) of the item;
- d) category of the item;
- e) revision status, if applicable;
- f) identifying the technology using descriptive terms of the item(s) affected (e.g. terminology, sector specific classification and standards/specifications);
- g) date-related information:
 - i) start of production (SOP) date, optional;
 - ii) end of sale (EOS) date (corresponds to the last time buy date), if applicable;
 - iii) end of production (EOP) date, for discontinuance (PDN) or effective date (PCN/PEN);
 - iv) last time delivery (LTD) date, if applicable;
 - v) end of service, maintenance, and repair (EOSR) date, if applicable;
- h) change category of the item;
- i) proposed replacement manufacturer and/or item number, if applicable.

6.1.3 Description given by the manufacturer

- a) technical description:
 - (1) cause of change or discontinuance;
 - ii) compatibility statements for the item being changed or for the proposed replacement;
 - iii) if changes or discontinuances are made due to changes in legislation, then the manufacturer shall give a reference to this legislation affected (e.g. laws, regulations) with the date of enforcement;
 - iv) if changes or discontinuances are made due to new or changed standards, then reference shall be made to the documents affected and to their date of publication. If the legislator and/or the Standards Defining Organization (SDO) references a document, then the respective source (e.g. official journal or website) shall also be given. Where a start of application has been specified, this shall be indicated;
- b) identification of the changed item(s), e.g. by indication of the distinguishing features (date code, colour, packaging, etc.), for PCN only, if applicable;

- c) relevant documentation (as agreed by partnering agreements between organisations (IEC62402-1 Clause 6.1), e.g. notifications (PCNs, PDNs, PENs), roadmaps, data sheets, drawings, specifications, standards, etc.

7 Requirements for data exchange formats

7.1 General

The data exchange format for computerized processing described in this clause defines and includes an XML structure suitable for computer systems (see Annex A) and an attached document summarising content (see Annex B).

7.2 Application of data exchange formats

If not agreed otherwise, the following data shall be given. For electronic data exchange, those are the data fields that shall be filled out in the data format (see Annex A) as the minimum requirement. In the following, the mandatory data are defined and explained by means of examples. The fields XML name and the associated examples are applicable to the XML part of the data exchange.

7.2.1 Manufacturer's master data

7.2.1.1 Title

Description: short descriptive text of the PCN/PDN/PEN/PGN

Occurrence: once per record

Mandatory field: yes

Format: Text field of 256 characters

XML name:

pcnTitle

Content example:

discontinued bolt 'Z series'

7.2.1.2 Notification type

Description: change, discontinuance, technology or errata/correction notice

Occurrence: once per record

Mandatory field: yes

Format: value from the following table

XML value	Title	Type description
PCN	Product Change Notice	Change Notice which results in a discontinuance; e.g. subitems that are interdependent with another subitem
PDN	Product Discontinuance Notice	End of Production Notice
PEN	Product Errata Notice	Correction Notice, (also known as an 'Errata' for a datasheet)
PGN	Product General Notice	General information not related to specific items and products but affecting the possible use of the items and products (e.g. new technology, merger & acquisition)

XML name:

pcnType

Content example:

PCN

7.2.1.3 Company name and commonly used brand/trade name of the company

Description: Full company name of the manufacturer and their company's trade name
Note: The company's concise designation is its commonly used name (also referred to as trade name) without the legal form or any additional designations to facilitate search processes.

Occurrence: at least once (including the names and/or divisions added)

Mandatory field: yes

Format: Text field of 128 characters, trade name of the company: Text field of 32 characters

XML name:

pcnCompany (Full name)

pcnMfrName (Trade name of the company)

Content example:

Full name: John Doe Drives Ltd.

trade name: Doe Drives

7.2.1.4 Relevant contact data

Description: E-mail and postal addresses of the company

Occurrence: at least once (including the names and/or divisions added);

Mandatory field: yes

Format: Structure showing the following:

- E-mail address (text field of 256 characters);
- Street (text field of 128 characters);
- Additional address 1, optional (text field of 128 characters);
- Additional address 2, optional (text field of 128 characters);
- Postal code (text field of 32 characters);
- City (text field of 128 characters);
- State/County¹, if applicable (text field of 128 characters);
- Country code in accordance with ISO 3166-1 (text field of 128 characters).

XML name:

pcnEmail;

pcnStreet;

pcnAddress1;

pcnAddress2;

pcnZipCode;

pcnCity;

pcnState;

pcnCountry.

Content example:

¹ For countries in which this is required, e.g. U.S.A.

email: pcnsupport@doedrives.de

street: 111 Sample Way

postal Code: 12345

city: Anytown

country: DE

7.2.1.5 Identification key (ID) of the notification

Description: identification key of the notification that is issued by the manufacturer.

Occurrence: once per record

Mandatory field: yes

Format: Text field of 128 characters

XML name:

pcnNumber

Content example:

PCN-ABC-12345

7.2.1.6 Date of publication

Description: Date of publication of the notification

Occurrence: once per record

Mandatory field: yes

Format: Date format in the form of YYYY-MM-DD [see ISO 8601^[4], (YYYY=four-digit year number, MM=two-digit month number, DD=two-digit day number)]

XML name:

pcnIssueDate

Content example:

2023-11-27

7.2.1.7 Revision number

Description: Revision number as a supplement to the PCN number

Occurrence: once per record

Mandatory field: no, optional

Format: Text field of 128 characters

XML name:

pcnRevision

Content example:

Edition 1

7.2.2 Manufacturer's items affected

7.2.2.1 General

For automatic processing and assignment, e.g. in the recipient's material management systems, accurate specification of the items affected is required. Since many manufacturers use two different systems, such as part or type designation, both can be indicated.

Summary information, such as "all devices of the Doe Drive -Maxi series", cannot normally be processed by material management systems and shall therefore not be used.

For the identification of many item numbers with the same structure it is allowed to use the characters "?" (representing one character) and "*" (representing one or more characters), also known as wildcards.

All information on the items affected is part of the data structure "*itemnumbers*" in which each item affected is mapped in a structure "*itemnumber*". The structure "*itemnumber*" shall occur at least once and can be repeated with different contents as often as necessary.

Note 'part' is used in place of 'sub-item' in this context as referred to in IEC62402-1⁽¹⁾, i.e. the item is made up of parts (sub-items).

7.2.2.2 Unique manufacturer item number

Description: (unique) manufacturer part number

Occurrence: once per item affected

Mandatory field: yes

Format: Text field of 128 characters

XML name:

itemMfrNumber

Content example:

Maxi-ABC-1234-24V

7.2.2.3 Type designation and/or drawing number

Description: additional or alternative identification of the item affected

Occurrence: once per item affected

Mandatory field: no, if applicable

Format: Text field of 128 characters

XML name:

itemMfrTypeIdent

Content example:

MA-1234.24-ZYL

7.2.2.4 Revision identification

Description: Revision version of item affected, e.g., software revision number

Occurrence: once per item affected

Mandatory field: no, if applicable

Format: Text field of 128 characters

XML name:

itemRev

Content example:

Software build 1.2.345

7.2.2.5 Designation (name/short text) of the item

Description: descriptive designation of item

Occurrence: once per item affected

Mandatory field: yes

Format: Text field of 128 characters

XML name:

itemMfrName

Content example:

Maxi drive unit, style cylindrical, 50Watt/24Volt

7.2.2.6 Category of the item**Description:** broad categorisation of the item. (Note: required for existing XML implementation, see the Bibliography^[5])**Occurrence:** once per item affected**Mandatory field:** Yes**Format:** value from the following listing

Item Category	Description	XML value
active electronic	Items - active electronics: semiconductors, electronic devices	ACEL
assembly	Assemblies - all types (e.g. Cable, Chassis, Electrical, or Electronic assemblies)	ASSY
auxiliary materials	Auxiliary Materials of all types (such as chemical substances, cleaning agents and their operating resources-processes)	AUXM
connectors/cables	Passive connectivity – connectors, cables and wires of all types	PCON
data/certificates	Data, media, and digital certificates (such as sets of parameters, set-points, databases, security certificates, cryptographic codes)	DACE
documentation	Documentation (such as data sheets, descriptions, instructions)	DOCU
electro mechanical	Items operating electro-mechanically (such as relays, contactors, switches)	ELME
fluids	Fluids of all types (such as oils, fuels, hydraulic oil, gases) See Materials?	FLUI
hydraulic	Items operating hydraulically (such as hoses, pumps, cylinders)	HYDR
mechanical	Items operating purely mechanically (such as shafts, gearwheels, screws)	MECH
multiple categories	Impossible to assign to any one category; relates to more than one category; type is to be used for the PCN/PDN overall;	MULT
other	Miscellaneous, if this is used additional field <i>itemCategoryDetails</i> is required;	OTHR
passive electrical/electronic	Items with passive electrical/electronic systems, assemblies containing no active components	PAEL
pneumatic	Items operating pneumatically (such as hoses, pumps, valves, cylinders)	PNEU
raw material	Raw materials of all types (such as chemical substances, synthetic granules, metals)	RAWM
services	Services of all types (such as logistics, monitoring, cleaning, maintenance)	SERV
software/firmware	Software, including firmware	SWFW

Item Category	Description	XML value
textiles	Fibre-based materials, including fibres, yarns, filaments, threads, different fabric types, etc.	TXTL

XML name:*itemCategory**itemCategoryDetails* (256 characters free text, if applicable)**Content example:**

ELME

7.2.2.7 Identifying or descriptive terms of the item(s) affected

Description: Identifying the technology and descriptive terms of the item concerned, e.g. keywords (sector specific classification), properties, drawings, specifications, standards, etc.

Possible values see Taxonomy defined in IEC 61360^[8] and ISO Guide 77^[9].

Can be used to describe an item that does not have a unique manufacturer part number.

Occurrence: several times per item affected

Mandatory field: If Applicable

Format: Text field of 4096 characters

XML name:*itemSubData*

Content example: *(Linked to an IECQ Certificate of Conformity)*

CAPACITOR, 22uF (to 68uF) E6, 10% or 20% 50V, Axial, Solid Tantalum, CECC30201-040 Type CTS21 Case D

(This example is 17 words and 100 characters)

7.2.2.8 Date-related information from the manufacturer

Description: Data structure for time-related information

Occurrence: once per item affected

Mandatory field: Field dependent

- start of production (SOP) date, optional;
- end of sale (EOS) date (corresponding to the last time buy), if applicable;
- end of production/effective date (EOP/eff date) for discontinuance (PDN) or effective date for changes (PCN), mandatory.
- last time delivery (LTD) date, if applicable.
- end of service, maintenance and repair (EOSR) date, if applicable.

Format: Date format in the form of YYYY-MM-DD [see ISO 8601 (YYYY=four-digit year number, MM=two-digit month number, DD=two-digit day number)]

XML name:

itemSOP: start of production (SOP);

itemEOS: end of sale (EOS);

505 itemEOPeffDate: end of production (EOP) or effective date of the change, respectively;

506 itemLTD: last time delivery (LTD);

507 itemEOSR: end of service, maintenance and repair (EOSR).

508 **Content example:**

509 itemSOP: 2014-03-15

510 itemEOS: 2015-10-31

511 itemEOPeffDate: 2015-12-31

512 itemLTD: 2016-01-31

513 itemEOSR: 2016-03-31

7.2.2.9 Change category of the item

Description: Grouping into different categories stating the category of changes in a short phrase.
(Note: required for existing XML implementation, see the Bibliography^[5])

Note: It is permitted to provide several change categories. Further change categories may be named in addition to the change categories given below (also see A.5.9)

Occurrence: several times per item affected

Mandatory field: yes (at least one value)

Format: XML value from the following listing

Change Category	Description	XML value
Acquisition	Transfer of an item, a portfolio or a production line from one manufacturer to another	MANAQ
Alert	The manufacturer issues a warning with respect to changes and limitations they have detected for a product, e.g. functional limitations of the items or descriptions of unexpected behaviour under certain conditions or temporary interruptions of the production of the items affected	ALERT
Cancelled PCN	A particular previous PCN is recalled.	CANCN
Cancelled PDN	A particular previous PDN is recalled.	CANDN
Cancelled PEN	A particular previous PEN is recalled. Documentation errata/correction for the item is reinstated. The PEN is no longer valid.	CANEN
Cancelled PGN	A particular previous PGN is recalled. Technology or manufacturer for the item is reinstated. The PGN is no longer valid.	CANGN
Change of software	Changes made to the software > item	SOFTW
Characteristics	Characteristics such as attribute values of the item are omitted, added or changed. They can be of electrical, mechanical, thermal or any other characteristic.	CHARA
Configuration change	Changes made to the configuration of an item, e.g. change of Items List for a complex product, changes in the software configuration	CONFC
Correction	Correction(s) to the documentation without changing the item (sometimes referred to as 'errata')	CORR
Discontinuance	Notification of when an item is no longer available from the original manufacturer or no longer produced in accordance with the original specification.	PDN
Documentation	General summary of changes made to the documentation. No item characteristics are being changed. Documentation could be Specification or a Standard.	DOCUM
F3I FIT	Describes a modification of the item changing the fit and fitting to other sub-items connected within the product.	FIT
F3I Form (and appearance)	Describes changes made to the external appearance of the items. This relates to the spatial dimensions and shape as well as colours and surface finish.	FORM
F3I Function and Interface	Changes made to or effects resulting from the functioning and performance.	FUNCT

Insolvency	Insolvency of the manufacturer	INSOL
Labelling	Modification of the item's labelling or packaging	LABEL
Material	Changes made to the material or substances listed in the material declaration	MATER
Packaging	The item's packaging is changed.	PACKA
Production process	The production process is being changed.	PPROC
Production site	The production site is being changed.	PSITE
Production start	Production of this item is <i>officially</i> started.	PRODS
Recall	The manufacturer recalls the items and explains including the reasons and the effects on the items himself. The reasons can be varied, ranging from technical breakdowns to patent violations.	RECA
Reliability	Changes impacting the reliability	RELC
Not Recommend for New Designs	Official The manufacturer has issued an alert, as there is a recommendation not to design-in items for new developments, warning of a PDN being issued.	NRND
Shipping	Changes with regard to shipping, e.g. container sizes etc. or delivery routes and lead times	SHIP
Test location	Changing the site at which the tests are being conducted	TESTS
Test process	Changes made to test processes before, during and after production, however, prior to shipping	TESTP
Type code	Accompanying numbers given in addition to the identifying code of the item are being changed without changing the identifying code itself.	ORCOD

- XML name:
itemChangeType
Content example:
FORM
- 7.2.2.10 Proposed replacement manufacturer part number**
Description: one or more replacement manufacturer part number(s) as proposed by the manufacturer
Occurrence: once per item affected
Mandatory field: no, if applicable
Format: Text field of 128 characters
XML name:
itemMfrReplNumber or *itemMfrTypeIdent*, respectively
Content example:
Maxi-CBA-1234-24V or MA-1234.24-CYL, respectively

7.2.3 Description given by the manufacturer

7.2.3.1 Technical description

Description: The short description of the notification.

Note: There are additional fields for title (for a few keywords) and detailed text. Further technical descriptions can be included as files, preferably as PDF, in the attachments folder.