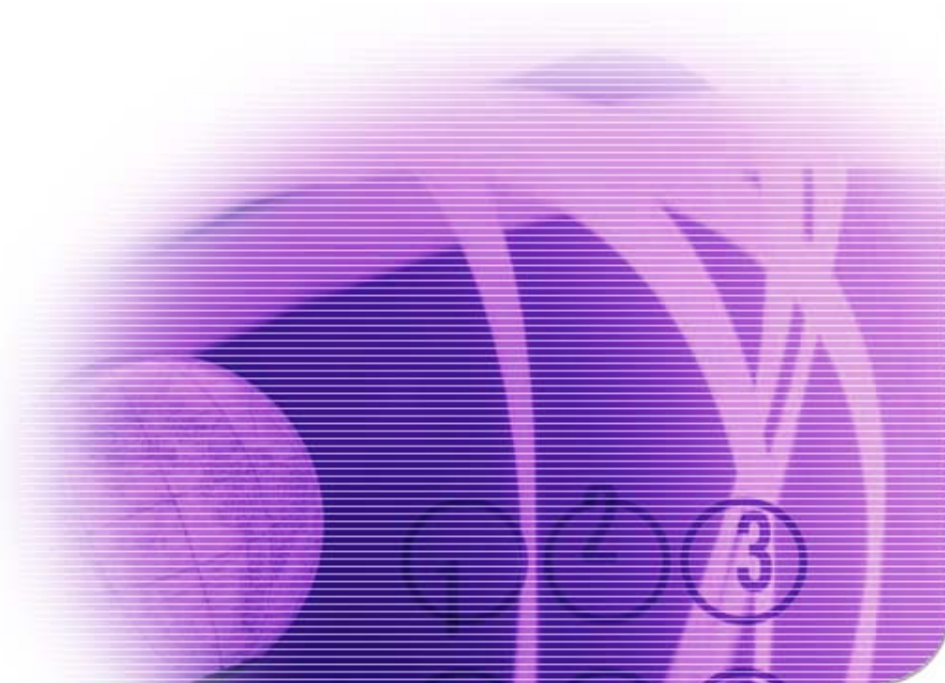
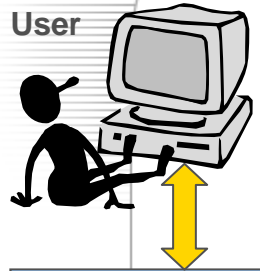


IEC 61360 CDD – Architecture

3DWG2/190D/INF



Architecture - Production instance



Publicly accessible part

- Browse
- Search
- Export

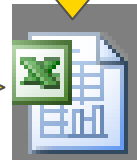
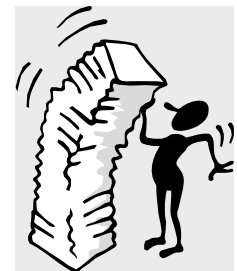
<http://std.iec.ch/iec61360/iec61360.nsf>

Maintenance area

- Restricted access
- Change requests
 - Submitted
 - For evaluation
 - Resolved
- Evaluation sheets & Discussion sheets
 - Comments
 - Votes

Validation team

- Comments
- Votes



Evaluation sheet

3D/145/INF
3D/151/INF
Directives-IECSup-Ed3

Procedures

.htm - files
→ EXCEL
→ ACCESS



Database export specification
070dwg_export specification.doc

Power user



Architecture - Test instance

Proposer



Data entry guide
SC3D/WG/103h

Input tool

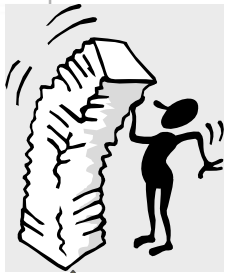


Database import specification
SC3D/WG/088f

xxx.csv - files

IEC
Geneva

Validation team



Browse
Search
Export

<http://std.iec.ch/iec61360/test/iec61360.nsf>

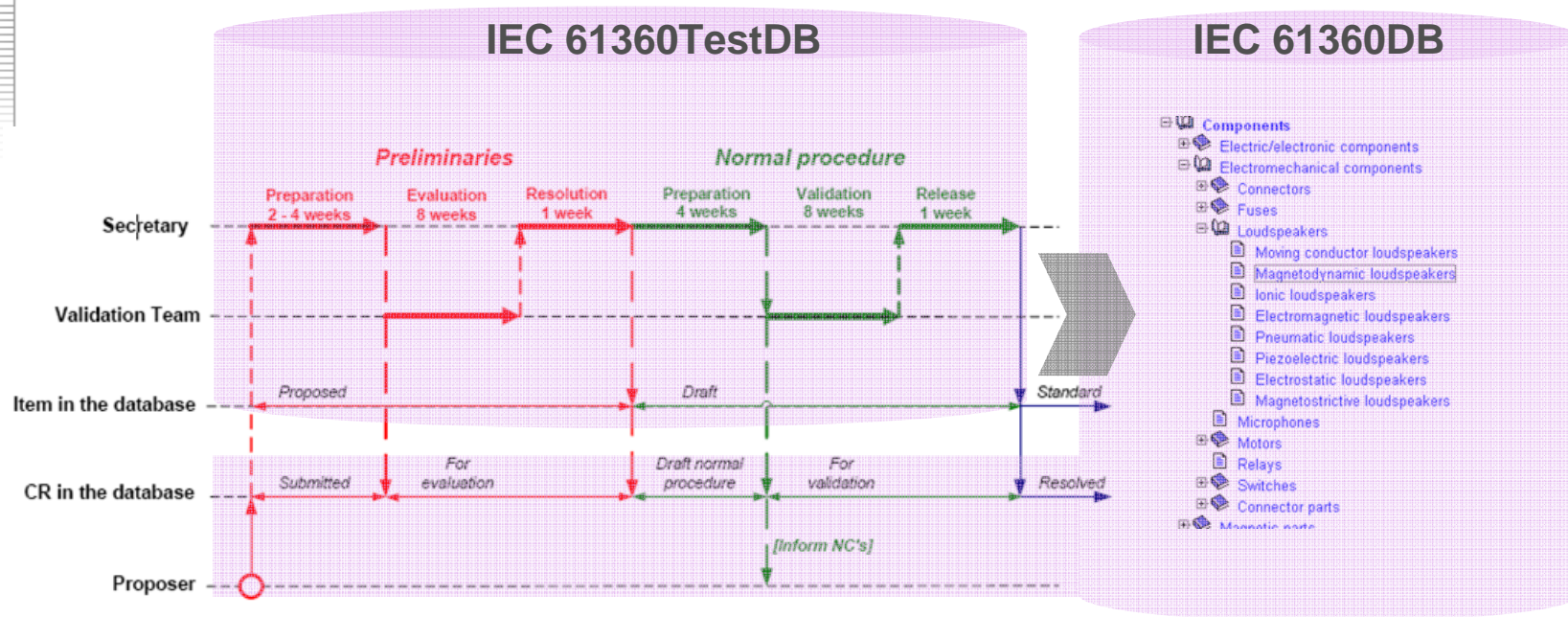
Evaluation sheet



Database export specification
SC3D/WG/070d

.htm - files
→ EXCEL
→ ACCESS

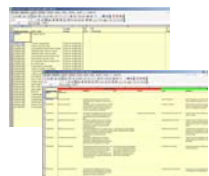
Process and related documentation



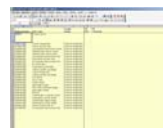
- IEC 61360DB**
- Components
 - Electric/electronic components
 - Electromechanical components
 - Connectors
 - Fuses
 - Loudspeakers
 - Moving conductor loudspeakers
 - Magnetodynamic loudspeakers
 - Ionic loudspeakers
 - Electromagnetic loudspeakers
 - Pneumatic loudspeakers
 - Piezoelectric loudspeakers
 - Electrostatic loudspeakers
 - Magnetostrictive loudspeakers
 - Microphones
 - Motors
 - Relays
 - Switches
 - Connector parts
 - Magnetic parts



CR description sheet



Evaluation & discussion sheets ^{*)}



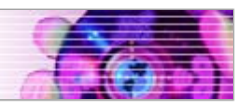
Validation sheet ^{**)}

Finally released ^{***)}

^{*)} equivalent to CD & CDV stage

^{**)} equivalent to FDIS stage

^{***)} equivalent to IS stage



Content – browser window

International Electrotechnical Commission

Home Browse Search Export Maint. Help

IEC 61360 - Component Data Dictionary

Class tree ++ -- ?

- [-] Components
 - [+] Electric/electronic components
 - [-] Electromechanical components
 - [+] Connectors
 - [+] Fuses
 - [-] Loudspeakers
 - [+] Moving conductor loudspeakers
 - [+] Magnetodynamic loudspeakers
 - [+] Ionic loudspeakers
 - [+] Electromagnetic loudspeakers
 - [+] Pneumatic loudspeakers
 - [+] Piezoelectric loudspeakers
 - [+] Electrostatic loudspeakers
 - [+] Magnetostrictive loudspeakers
 - [+] Microphones
 - [+] Motors
 - [+] Relays
 - [+] Switches
 - [+] Connector parts
 - [+] Magnetic parts
- [+] Materials
- [+] Geometry
- [+] Features

Class definition Print

Identity number: AAA152
 Version number: 001
 Revision number: 02
 Name: **Magnetodynamic loudspeakers**
 Alternative names: magnetodynamic
 Coded name: MGD
 Definition: A set of magnetodynamic loudspeakers of which each loudspeaker can be described with the same group of data element types.
 Note: MAGNETODYNAMIC LOUSPEAKERS are loudspeakers that operate by the motion of a magnet attached to a diaphragm and activated by a current through a fixed coil.
 Higher-level classes:

AAA001	Components
AAA147	Electromechanical components
AAA150	Loudspeakers

Full properties list

Status level: Standard
 Published in: IEC 61360-4
 Published by: IEC
 Proposal date: 1997-04-01
 Release date: 1997-01-01
 Version date: 1996-08-01
 Version release date: 1997-01-01

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Content – relations

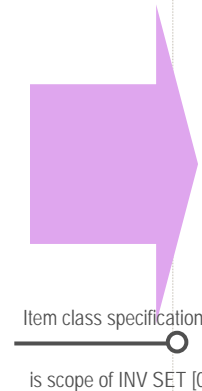
Classification (ISO 31)

- A11 geographical unit (greater than a place)
- A12 geographical location (place or smaller)
- A13 geographical route and network
- A21 organisation
- A22 functionary
- A31 date and time period
- A32 time of day
- A41 person
- A51 product
- A52 product class
- A53 product batch and package (type)
- A54 transport mode, means and unit
- A55 manufacturing process and technology
- A56 product function and application
- A57 material
- A58 product geometry, shape and size
- A59 product quality, performance and test
- A61 document and message
- A62 information element and information group
- A63 data medium and transmission unit
- A71 measuring unit
- A79 type of measurement
- A81 account
- A82 project, project activity
- A83 procedure
- A91 abstract identification such as language, colour etc.
- A93 clause
- E01 electric current
- E02 electric charge
- E06 electric potential, potential difference, electromotive force
- E09 capacitance
- E17 magnetic field strength
- E19 magnetic flux density
- E22 self inductance, mutual inductance
- E25 relative permeability
- E30 electromagnetic energy density



Properties & Conditions

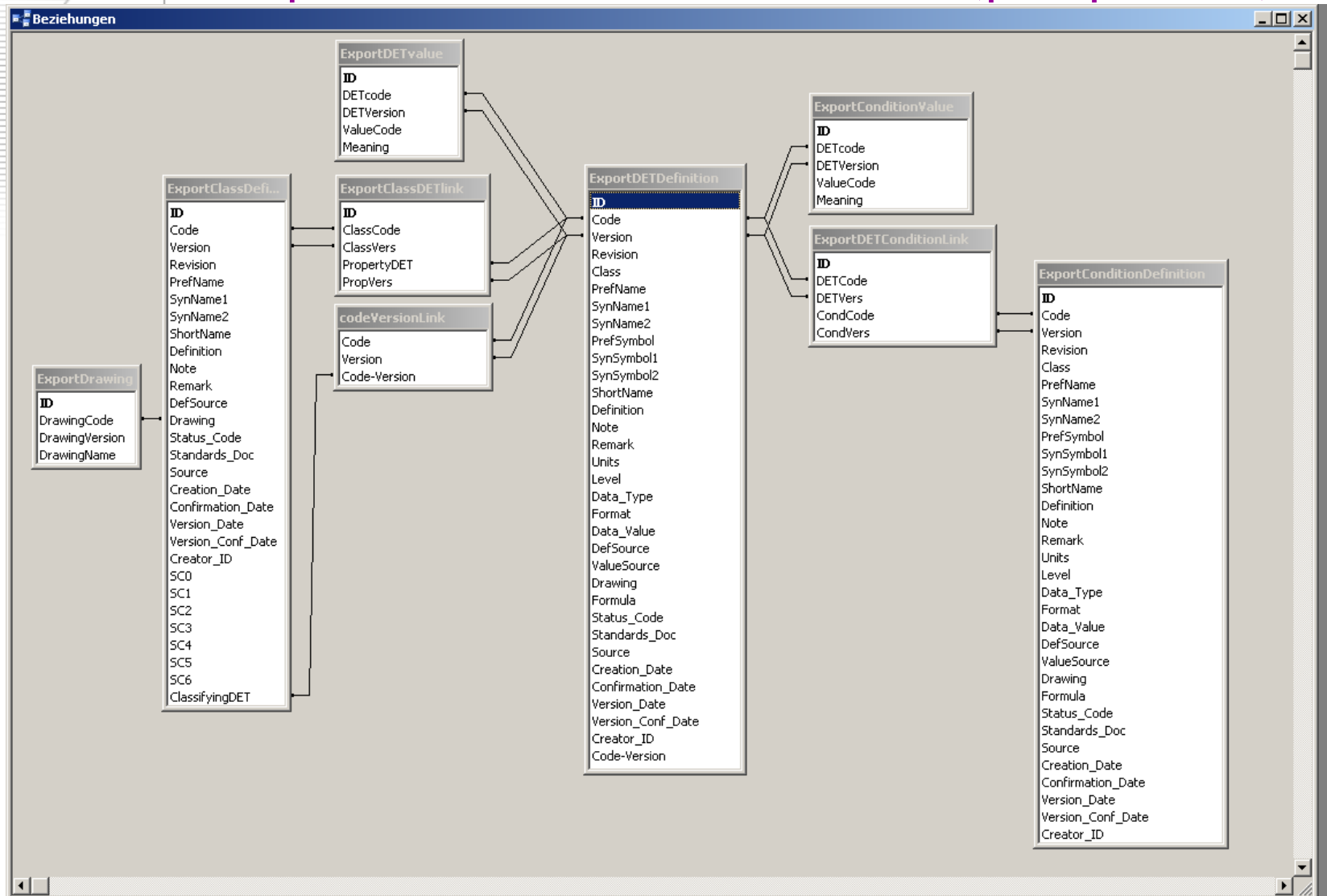
- AAE012 international standard
- AAE017 reference temperature
- AAE019 body length
- AAE020 body height
- AAE021 body breadth
- AAE022 outside diameter
- AAE111 packing type
- AAE112 taping
- AAE687 quality approval authority
- AAE752 mass
- AAE753 inside diameter
- AAE834 component description
- AAE965 component status
- AAF003 material
- AAF043 national standard
- AAF265 packing arrangement
- AAF267 inner tape spacing
- AAF268 orientation
- AAF269 marking method
- AAF276 stress temperature min
- AAF277 stress temperature max
- AAF278 stress ambient temperature
- AAF279 stress relative humidity
- AAF318 flange breadth
- AAF356 reference view
- AAF357 terminal identifier
- AAF358 swapability indicator
- AAF359 permutability indicator
- AAF362 centre of gravity (x-axis)
- AAF363 centre of gravity (y-axis)
- AAF364 probability distribution
- AAF365 normal average value



Classes within a tree structure

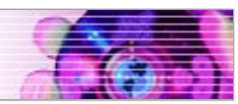
	<u>SC0</u>	<u>SC1</u>	<u>SC2</u>	<u>SC3</u>
(Bold = parent class)				
Components	AAA001			
Electric/electronic components	AAA001	AAA002		
Amplifiers	AAA001	AAA002	AAA003	
Low-frequency amplifiers	AAA001	AAA002	AAA003	AAA004
Power amplifiers	AAA001	AAA002	AAA003	AAA004
Voltage amplifiers	AAA001	AAA002	AAA003	AAA004
Differential amplifiers	AAA001	AAA002	AAA003	AAA004
Operational amplifiers	AAA001	AAA002	AAA003	AAA004
Ac-coupled amplifiers	AAA001	AAA002	AAA003	AAA004
Single-sided amplifiers	AAA001	AAA002	AAA003	AAA004
Radio frequency amplifiers	AAA001	AAA002	AAA003	AAA004
Wideband amplifiers	AAA001	AAA002	AAA003	AAA004
Antennas	AAA001	AAA002	AAA013	
Capacitive antennas	AAA001	AAA002	AAA013	AAA014
Inductive antennas	AAA001	AAA002	AAA013	AAA014
Resistive antennas	AAA001	AAA002	AAA013	AAA014
Batteries	AAA001	AAA002	AAA017	
Primary batteries	AAA001	AAA002	AAA017	AAA018
Secondary batteries	AAA001	AAA002	AAA017	AAA018
Capacitors	AAA001	AAA002	AAA020	
Fixed capacitors	AAA001	AAA002	AAA020	AAA021
Fixed air capacitors	AAA001	AAA002	AAA020	AAA021
Fixed ceramic capacitors	AAA001	AAA002	AAA020	AAA021
Fixed class1 ceramic capacitor	AAA001	AAA002	AAA020	AAA021
Fixed class2 ceramic capacitor	AAA001	AAA002	AAA020	AAA021
Fixed electrolytic capacitors	AAA001	AAA002	AAA020	AAA021
Solid tantalum electrolytics	AAA001	AAA002	AAA020	AAA021
Non-solid tantalum electrolytics	AAA001	AAA002	AAA020	AAA021
Solid aluminium electrolytics	AAA001	AAA002	AAA020	AAA021
Non-solid aluminium electrolytics	AAA001	AAA002	AAA020	AAA021
Fixed film capacitors	AAA001	AAA002	AAA020	AAA021
Fixed glass capacitors	AAA001	AAA002	AAA020	AAA021

Import into MS- Access (proposal)





BACKUP



Browser window

International Electrotechnical Commission
IEC 61360 - Component Data Dictionary

Home Browse Search Export Maint. Help

Class tree ++ -- ? < >

- [-] Components
 - [+] Electric/electronic components
 - [-] Electromechanical components
 - [+] Connectors
 - [+] Fuses
 - [-] Loudspeakers
 - [+] Moving conductor loudspeakers
 - [+] Magnetodynamic loudspeakers
 - [+] Ionic loudspeakers
 - [+] Electromagnetic loudspeakers
 - [+] Pneumatic loudspeakers
 - [+] Piezoelectric loudspeakers
 - [+] Electrostatic loudspeakers
 - [+] Magnetostrictive loudspeakers
 - [+] Microphones
 - [+] Motors
 - [+] Relays
 - [+] Switches
 - [+] Connector parts
 - [+] Magnetic parts
- [+] Materials
- [+] Geometry
- [+] Features

Class definition Print

Identity number:	AAA152						
Version number:	001						
Revision number:	02						
Name:	Magnetodynamic loudspeakers						
Alternative names:	magnetodynamic						
Coded name:	MGD						
Definition:	A set of magnetodynamic loudspeakers of which each loudspeaker can be described with the same group of data element types.						
Note:	MAGNETODYNAMIC LOUDSPEAKERS are loudspeakers that operate by the motion of a magnet attached to a diaphragm and activated by a current through a fixed coil.						
Higher-level classes:	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">AAA001</td><td>Components</td></tr> <tr><td>AAA147</td><td>Electromechanical components</td></tr> <tr><td>AAA150</td><td>Loudspeakers</td></tr> </table>	AAA001	Components	AAA147	Electromechanical components	AAA150	Loudspeakers
AAA001	Components						
AAA147	Electromechanical components						
AAA150	Loudspeakers						

Full properties list

Status level:	Standard
Published in:	IEC 61360-4
Published by:	IEC
Proposal date:	1997-04-01
Release date:	1997-01-01
Version date:	1996-08-01
Version release date:	1997-01-01

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Export window

International Electrotechnical Commission
IEC 61360 - Component Data Dictionary

Home Browse Search Export Maint. Help

Export Print

[Class definitions](#)

[Property definitions](#)

[Condition definitions](#)

[Class-property links](#)

[Property-condition links](#)

[Property value list](#)

[Condition value list](#)

[List of drawings](#)

The full contents of the database can be exported as a set of relational tables.

Three tables contain the basic definitions:

- Class definitions
- Property definitions
- Condition definitions

These are related through the following link tables:

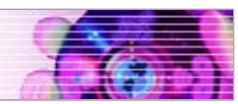
- Class-property links
- Property-condition links

In addition, there are two tables containing value lists:

- Property value list
- Condition value list

You can click on an item in the left pane to display the entire table in a browser and then save it locally as an HTML table for further processing, e.g. in Excel or Access. Alternatively, you can right-click on an item and save it directly to your local disk.

Please note that some of the tables are quite large (up to about 850 KB of data) and may require some time for downloading, depending on your network bandwidth. In such cases it is usually advisable to first save the file locally and then open it in the browser.



Maintenance Area - Overview

http://std.iec.ch - IEC 61360 - Component Data Dictionary - Microsoft Internet Explorer provided by CIO - V 3.1 76

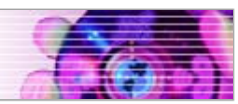
International Electrotechnical Commission
IEC 61360 - Component Data Dictionary

Maintenance **Change requests by status** Print

Change requests:
[For action](#)
[By status](#)
[By number](#)

Status	Request ID	Type	Date
Submitted	C00014	Editorial	2007-05-30
For evaluation	C00009	Technically new	2007-01-15
For evaluation	C00010	Technically new	2007-04-26
Resolved	C00007	Technically new	2006-09-14
Resolved	C00011	Technical modification	2007-04-26
Resolved	C00012	Technically new	2007-04-26
Resolved	C00013	Editorial	2007-05-30

Fertig Internet



CR proposal form

- Proposal
- Reason
- Proposer

Request-ID:	C00016
Applies to:	AAE27 I-005, AAE
Type of request:	Technical modification
Request status:	Submitted
Proposal:	Extend the format of AAE27 I-005 to include negative values
Reason:	Devices such as transmitters can be specified to operate in
Requested by:	
Requested by:	Name: A.E. Dijkstra
	E-mail: adijkstra@nrc.nl
	NC/TC: NL
Comments at evaluation:	
Comments at validation:	
Writing at validation:	
Comment file upload:	
Date requested:	2007-11-17

CR- description sheet 1 of 2

International Electrotechnical Commission
IEC 61360 - Component Data Dictionary

Maintenance | **Change request** | Edit | Print

Change requests:
For action
By status
By number

Request ID: C00009
Applies to: AAA650, AAA621, AAA622, AAA624, AAA625, AAA626, AAA627, AAA634, AAA635, AAA636, AAA637, AAA638, AAA639, AAA641, AAA648, AAA649, AAF583, AAF481, AAF484, AAF279, AAF492, AAF493, AAF494, AAF495, AAF496, AAF486, AAF503, AAF504, AAA631, AAF505, AAF506, AAF507, AAF521, AAF530, AAF531, AAF532, AAF533, AAF534, AAF548, AAF542, AAF543, AAF545, AAF546, AAF547, AAF555, AAF556, AAF557, AAF558, AAF512, AAF562, AAF580, AAF581, AAF559, AAF560, AAF561, AAF582

Type of request: Technically new
Request status: For evaluation
Proposal: The proposal provides a structured list of environmental conditions a product can/has to operate. It is one of the conditions. Some classes are foreseen for its later population. That series is a horizontal standard. Its content is very specific to any product, the proposed DETs provide a reason as well in the description of products.
Reason: Product descriptions contain a lot of DET collections which conditions are one of those. Other are e.g., material, part specific to any product, the proposed DETs provide a reason as well in the description of products.
In order to facilitate the future use of such DETs, to avoid the preparation of product class descriptions, the environmental conditions are structured. This allows to a single or multiple DETs, to a subclass or even to the whole product class.
Requested by: Fritz Reuter
fritz.reuter@siemens.com
DE

Comments at evaluation: Please give comments and vote using the Excel spreadsheet by following the link Evaluation sheet_C00009_001.xls below. Send the comments and vote to the VT 61360 convenor Addie Dijkstra (mailto: addie.dijkstra@nxp.com)

Japanese comments added on 2007-02-26
Japanese vote added on 2007-03-12

Netherlands vote added on 2006-03-12
Germany vote added on 2007-03-13
Finland vote added on 2007-03-14
Czech Republic vote added on 2007-03-14

Evaluation sheet C00009-002 added on 2007-03-14

Votes were as follows:

- Master documentation of CR
 - Proposal
 - Reason
 - Proposer
 - Evaluation sheet
 - Discussion sheet
 - Comments and votes of the Validation Team



CR- description sheet 2 of 2

http://std.iec.ch - IEC 61360 - Component Data Dictionary - Microsoft Internet Explorer provided by CIO - V 3.1.76

International Electrotechnical Commission
IEC 61360 - Component Data Dictionary

Maintenance DE

Change requests:
[For action](#)
[By status](#)
[By number](#)

Comments at evaluation:
 Please give comments and vote using the Excel spreadsheet by following the link...
 Japanese comments added on 2007-02-26
 Japanese vote added on 2007-03-12
 Netherlands vote added on 2006-03-12
 Germany vote added on 2007-03-13
 Finland vote added on 2007-03-14
 Czech Republic vote added on 2007-03-14
 Evaluation sheet C00009-002 added on 2007-03-14

Votes were as follows:
 DE:Y
 FI:Y
 NL:N
 CZ:N
 JP:N

Conclusion:
 More time will be taken to prepare and review this request against the con...
 further discussion shall take place how to proceed with this request. For t...
 stage and will be assigned a new evaluation date or rejected as a request...
 SC3DWDG2 in July 2007.

Comments at validation:

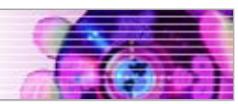
Voting at validation:

Date requested: 2007-01-15
 Date evaluated: 2007-03-13
 Date resolved:
 Date withdrawn:
 Closing date for evaluation: 2007-03-13
 Closing date for validation:

[Evaluation sheet_C00009_001.xls](#)
[JP_Request for CR00009REV2.pdf](#)
[sheet_C00009_001_JPREV2.xls](#)
[sheet_C00009_001_NL.xls](#)
[sheet_C00009_001_DE.xls](#)
[sheet_C00009_001_CZ.xls](#)

[FL_Evaluation sheet_C00009_001.xls](#)
[Evaluation sheet_C00009_002.xls](#)

- Master documentation of CR
 - Proposal
 - Reason
 - Proposer
 - Evaluation sheet
 - Discussion sheet
 - Comments and votes of the Validation Team



Evaluation sheet

Microsoft Excel - Evaluation sheet_C00017_001.xls

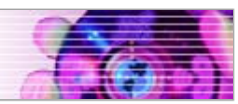
File Edit View Insert Format Extras Data Window LiveLink Help Adgbe PDF

Arial 10 F K U abc

A3 C00017

1	A	B	C	D	E	F
2	Dictionary item	item name	Country change	CN Vote	CN Comments	CZ Vote
	C00017	change request				
3						
4	AAE271-006	junction temperature	Technical modification			
5	AAE281-006	reverse recovery time	Technical modification			
6	AAE294-006	non-repetitive peak forward current	Technical modification			
7	AAE297-006	repetitive peak reverse current	Technical modification			
8	AAE302-006	repetitive peak reverse power	Technical modification			
9	AAE303-007	non-rep peak reverse power diss	Technical modification			
10	AAE306-006	total reverse recovery time	Technical modification			
11	AAE327-007	non-rep peak reverse power diss	Technical modification			
12	AAE402-006	dc current gain	Technical modification			
13	AAE410-006	small-signal current gain	Technical modification			
14	AAE416-006	collector-emitter sat voltage	Technical modification			
15	AAE548-006	current transfer ratio	Technical modification			
16	AAE551-006	collector-emitter sat voltage	Technical modification			
17	AAE553-006	turn-off time	Technical modification			
18	AAE554-006	turn-on time	Technical modification			
19	AAE726-006	output voltage	Technical modification			
20	AAE732-006	gate trigger current	Technical modification			
21	AAE740-006	rate of rise of off-state voltage	Technical modification			
22	AAE742-006	gate trigger voltage	Technical modification			
23	AAE746-006	fall time	Technical modification			
24	AAE748-006	cathode-gate to cathode current	Technical modification			
25	AAE749-006	anode-gate to anode current	Technical modification			
26	AAE750-006	cathode-gate trigger voltage	Technical modification			
27	AAE751-006	anode-gate to anode voltage	Technical modification			
28	AAF301-006	reverse recovery time (I)	Technical modification			
29	AAF389-002	non-rep peak reverse power diss	Technical modification			
30						
31						
32						
33						
34						
35						
36						
37						

- What objects are in scope of the CR
- Evaluation votes of the VTs on the individual objects
- Released for validation



Validation sheet

Microsoft Excel - Validation sheet_C0000x_002 Template.xls

Datei Bearbeiten Ansicht Einfügen Format Extras Daten Fenster Livellink ? Adgbe PDF

Arial 10 F K U abe % 000 ‰ ‰

	A	B	C	D	E	F	
1							
2	Dictionary item	item name	Country change	CN Vote	CN Old content	CN Proposed content	CN Comments
3	C00007	change request					
4	AAF470-001	bending radius	Technically new				
5	AAF471-001	bending radius factor	Technically new				
6	AAF434-001	bending radius	Make obsolete				
7	AAF472-001	centre of gravity (z-axis)	Technically new				
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

- What objects are in scope of the CR
- Final votes of the VTs on the individual objects
- Finally released

Discussion sheet

Microsoft Excel - Discussion sheet definition_C00017_001.xls

Frage hier eingeben

Original proposal						
Dictionary item	name	definition	note	remark	name	definition
C00017	change request					
AAE271-006	junction temperature	The junction temperature (in Cel) of a transistor, diode, trigger device, optoelectronic device or IC as a variable.			junction temperature	junction temperature of a transistor, diode, trigger device, optoelectronic device or IC as a
AAE281-006	reverse recovery time	The maximum reverse recovery time (in s) of a diode, when switched from a specified forward current to a specified reverse voltage at a specified change of forward current and junction temperature.			reverse recovery time	maximum value of the reverse recovery diode, when switched from a specified forward current to a specified reverse voltage
AAE294-006	non-repetitive peak forward current	The maximum non-repetitive peak forward current (in A) of a diode at specified junction temperature and specified duration prior to the application of the pulse.		Half-sinewave duration is 10 ms.	non-repetitive peak forward current	maximum value of the non-repetitive peak forward current of a diode
AAE297-006	repetitive peak reverse current	The maximum repetitive peak reverse current (in A) of a rectifier diode when switched from a specified forward current to a specified reverse voltage at a specified rate of change of forward current and junction temperature.				
AAE302-006	repetitive peak reverse power	The maximum amplitude (in W) of a repetitive square pulse dissipated in an avalanche rectifier diode or signal diode, operating in the breakdown region, at specified duration, frequency and junction temperature.	For some types of avalanche diodes, VRRM is specified instead of PRRM.			
AAE303-007	non-rep peak reverse power diss	The maximum amplitude (in W) of a single non-repetitive square pulse dissipated in a rectifier or signal diode, at specified pulse duration and junction temperature prior to the application of the pulse.				
AAE306-006	total reverse recovery time	The maximum total reverse recovery time (in s) of an efficiency diode when switched from a specified forward current and with a specified rate-change of forward current and junction temperature to a reverse voltage of about 0.7 V (being the saturation voltage of transistor in parallel) and a diode reverse current equal to zero.	The moment the reverse current equals zero is measured by shifting the flyback pulse, used in the application circuit, and detecting the moment the front of the flyback pulse is entering the reverse current of the efficiency diode.			
AAE327-007	non-rep peak reverse power diss	The maximum non-repetitive peak reverse power dissipation (in W) of a stabilising diode, at specified time duration and junction temperature prior to the application of the square shaped pulse.			non-rep peak reverse power diss	maximum value of the non-repetitive peak reverse power dissipation of a stabilising diode
AAF402-006	dc current gain	The value as specified by label (minTypMax) of the			dc current gain	minimum, typical and maximum value of

- Detailed specification of changes
- Feedback of the VTs to the proposed changes
- Used in evaluation & validation stage