



3D/103/RM

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2002-11

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### TECHNICAL COMMITTEE NO. 3: DOCUMENTATION AND GRAPHICAL SYMBOLS SUB-COMMITTEE NO. 3D: DATA SETS FOR LIBRARIES

Unconfirmed Minutes of the meeting of SC3D on October 15th, 2002  
in Prague, Czech Republic.

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**Present:**

**Chairman:** Dr. D.E. Radley (United Kingdom)

**Secretary:** Mr. P.G. van Reekum (Netherlands)

**Central Office:** Mr. J.R. Sheldon

COUNTRY	DELEGATES	COUNTRY	DELEGATES
Czech republic	Mr. František Mlejnek	Japan	Mr. Sumio Araki Mr. Satoshi Ito
Finland	Mr. Tapio Viitanen		Mr. Mitsuru Takahashi Mr. Takayuki Yabe
Germany	Mr. Stefan Mühlens Mr. Fritz Reuter	Netherlands	Mr. Frans van Noesel
		Sweden	Mr. Per-Åke Svensson
Observers:	none		

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## **1 Opening of the meeting**

The Chairman, Dr. Radley, opened the 12th meeting of SC3D, and thanked the Czech National Committee for hosting the meeting. He also welcomed Mr. Mlejnek, Mr. Mühlens and Mr. Yabe who attend this meeting for the first time. Apologies were received from Mr. Grundel for not attending the meeting.

## **2 Approval of the (Revised) draft Agenda, document 3D/101/DA**

The draft agenda was approved without modification.

## **3 To note the minutes of the meeting of SC3D held in Oslo, October 3<sup>rd</sup>, 2001, document 3D/94/RM**

As no comments were received, the minutes were noted as approved. There were no actions arising from the minutes that are not covered by the agenda.

## **4 Status overview of the IEC 61360 documents: "Standard data element types with associated classification scheme for electric components".**

### **4.1 IEC 61360-1: Definitions – Principles and methods**

It was reported that an amendment expressing the addition of the drawing entity and the removal of the terms entity besides some minor changes had been discussed in the working group and that a formal amendment would be circulated shortly

### **4.2 IEC 61360-2: EXPRESS Dictionary schema**

It was reported that a technical corrigendum had been discussed in the working group, containing corrections and amendments resulting from the alignment process with ISO and changes in IEC 61360-1

It had been decided to issue two separate documents:

- A formal technical corrigendum will be send to the CO shortly to be incorporated in the IS;
- The (minor) amendments will be circulated separately. In the foreword it will be indicated that we expect no objections so that the IS stage can be reached after the five months.

### **4.3 IEC 61360-3: Maintenance and Validation procedure**

No new documents have been issued since the last SC3D meeting. The topic of maintenance and validation was, however, discussed intensively.

An update to Part 3 will be needed when there is a clearer view of the online IEC data base taking into account the procedures regarding data bases as described in the ISO/IEC Directives and the procedures around the IEC 60617 maintenance.

Besides this a harmonization with the other TC3 data bases will be needed.

### **4.4 IEC 61360-4: IEC Reference Collection of standard data element types and component classes**

Four supplements to IEC 61360-4 have been circulated.

The comments and remarks received will be incorporated in new drafts. Two supplements will be gathered into one new proposal which will be circulated as a Committee Draft for Voting.

The other amendments resulting from the comments from Germany regarding relays and

connectors will be sent to the German National organisation for advice.

#### **4.5 IEC 61360-5: Extensions to the EXPRESS dictionary schema**

The most recent version of IEC 61360-5 has been sent to Guy Pierra for comments and alignment with ISO 13584-25. At a later stage common metadata extensions in IEC 61360-5 and ISO 13584-25 may be transferred to part 2.

From the IEC side there exists no intention to abolish part 5 of IEC 61360.

As no SC3D representative will attend the STEP Seoul meeting, an ad hoc meeting with Guy Pierra in Poitiers may be more effective. (Dr. Radley & Mr. van Noesel)

### **5 To receive a report from SC3D/WG2 - Classification of components and definition of technical data element types, document 3D(Prague/WG2)04**

As the SC3D meeting followed the working group meeting immediately no report could be prepared. The Chairman gave a verbal report of that meeting. The informal minutes of the working group (document SC3D/WG/050) are attached as Annex A to these minutes; relevant points are incorporated in the corresponding clauses of these minutes.

#### **Statements from working group 2**

- amendments are proposed to IEC 61360-1 although the IS states that the document will be stable until 2004. The SMB has to be asked to agree to earlier amendment in spite of that statement;
- standards are being used and this will continually raise the need for changes;
- IEC 61360-5 shall be kept in line with ISO 13584-25, the ISO part will be the leading part;
- there was some discussion about local modifications in part 4 (language adaptations). The information model does support global language solutions (for the whole dictionary); but does not appear to allow language assignments to individual DETs or classes. This needs to be discussed with our ISO colleagues; doing so may cause a complete rewrite/redefinition of the methodology document; however the pressure is growing for multilingual possibilities;  
If however national language versions will ever exist, they will be under the full responsibility of the relevant national committees as regards costs, contents, consistency, etc.;
- a prototype online data base is now available and first impressions are very positive. A wish list for improvements and extensions have been defined; and have been discussed (see annex A for details);
  - a) a number of milestones have been defined (see annex A for details);
  - b) terminology has to be aligned as soon as possible between the DB implementations; the chairman supported by the secretary of SC3D will take on this task;
  - c) improve/extend search methodologies;
  - d) a (phased growing) access list to the online data base has been defined, the question of mandatory registration was discussed;
  - e) DET used in which class function is required and seen as an important feature;
  - f) a number of structural changes in presentation are required
  - g) implementation of graphics (JPEG, GIFs);
  - h) input – no immediate major issue, other tools provide this facility already;
  - i) downloads, searching and browsing is free of charge, downloads however NOT; SPF, RosettaNet XML, SGML, EXCEL tables,.....;

- in parallel the CD-ROM version can be made available with tooling around it and facilitating download possibilities; it is considered as a valuable toolset;
- maintenance and validation procedures have to be adapted shortly based on existing procedures around the other data bases;
- the question of payment was discussed, why to pay when the RNet and ECALS dictionary are free of charge? Also the downloadable information of those dictionaries; Associated with that the copyright issue, the rights to use the information (in what way) was discussed;
- the list of projects containing not only the standards but also the committee documents, was updated

## **6 Liaisons with other committees of IEC, ISO, CEN/CENELEC**

### **6.1 Report of IEC/TC93 Mr. Viitanen, document 3/617/INF**

The report of Mr. Viitanen was noted and is attached as Annex B to the minutes. Once more concern was expressed with respect to the library activities in TC93/WG6. Only the interoperability project, running in TC93/WG6 is of interest, although SC3D is formally not involved in this project.

### **6.2 Report of CENELEC TC217 MR. van Reekum, document 3D(Prague/vanReekum)03**

There have been no meetings, so no report is available. On short term no meetings are foreseen.

### **6.3 Report of ISO TC184/SC4/WG2, Mr. van Noesel, document 3D(Prague/vanNoesel)02.**

The report of Mr. van Noesel was noted and is attached to the minutes as Annex C. In close co-operation a corrigendum has been prepared for IEC 61360-2. The EXPRESS experts of ISO offered great help. Harmonization efforts are going on to align as far as possible the parts IEC 61360-5 and ISO 13584-25 containing specific extensions required by IEC respectively ISO to the common EXPRESS model.

Representatives of both committees (ISO PLIB and IEC SC3D) expressed their intention to continue the fruitful co-operation and to keep the common EXPRESS Information model COMMON

## **7 Organization of future work**

### **7.1 Report by the Central Office of the progress in the Maintenance and Validation process**

No new documents were issued since the last SC3D meeting. The topic of maintenance and validation was, however, discussed intensively in the working group. An update to the IEC Directives Supplement will be needed when there is a clearer view of the online IEC database. Harmonization will be implemented with the other TC3 databases regarding terminology, look-and-feel and procedures. Further activities are postponed till after the meeting of Dr. Radley with Mr. Maislisch (CO) depending on the status and procedures around the IEC online database.

### **7.2 To discuss the need for the setting up of additional working group(s)**

For the time being there is no need foreseen for new Working Groups to be established..

## **8 To discuss the interoperability project between the MERCI, RosettaNet and ECALS dictionaries**

Due to copyright issues the ECALS and the RosettaNet dictionary activity was started. MERCI and ECALS are merely IEC based while the RosettaNet dictionary is based on the RosettaNet XML DTD with a flat classification scheme.

The IEC dictionary is used as a basis for library implementation in the MERCI project because of the experience of the people involved in that project.

TC93/WG6 raised the initiative to see how the three dictionaries could work together, although IEC SC3D was never formally invited to participate.

Wolfgang Wilkes is the leader from the MERCI side. Only three classes were populated in the three dictionaries; however 25 classes were chosen for this experiment. The project is still running.

Dr. Radley produced a report in MERCI that compares the three dictionaries, also now a TC3 document, 3/644/INF.

Although biased, the IEC dictionary is by far the best in quality. There are a lot of errors in the RosettaNet dictionary. Frans van Noesel will keep in touch with the RosettaNet development. In Japan there is contact between RosettaNet Japan and ECALS, but similar maintenance problems exist.

Among these also other dictionary activities are under development. EAJK in Korea (ECALS oriented), the cutting tool dictionary and the China fasteners dictionary (both PLIB oriented). Except for the RosettaNet dictionary all other implementations are PLIB (and thus IEC) based.

## **9 To discuss the Strategic Policy Statement, document 3D(Prague/secretariat)05**

The strategic policy statement has to be modified and extended in several places. The delegates agreed that the chairman and secretary would take care of this.

### **9.1 To discuss the Programme of work, document 3D/XXX/PW**

As some of the documents referenced have been superseded, the Programme of Works has to be updated. The secretary will send the updated information to the Central Office.

An overview of the current projects in IEC SC3D is presented in Annex B of Annex A (notes of the working group meeting).

## **10 To prepare a report for the TC3 meeting of October 16<sup>th</sup>, 2002, document 3(Prague/SC3D)05.**

It was agreed that the Chairman and the Secretary will produce this report.

## **11 Any other business.**

No other issues were raised.

## **12 Date and place of the next meeting.**

The next SC3D meeting in 2003 will be held in conjunction with the IEC/TC3 and the IEC General Meeting in Montreal, Canada, 12-18 of October 2003.

It was suggested to contribute to the proposed workshop on database-based standards, probably during a session at the end of the day (17.00-18.00 hrs) during the GA.

### 13 Closure of the meeting

The chairman thanked the delegates for their attendance and contribution to this meeting. He thanked the Czech National Committee for hosting the meeting. He wished the delegates a safe journey home and closed the meeting.

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Frans van Noesel

secretary IEC SC3D

**Annex A**  
**report from SC3D/WG2 document SC3D/WG/050**

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**TECHNICAL COMMITTEE NO. 3: DOCUMENTATION AND GRAPHICAL SYMBOLS**  
**SUB-COMMITTEE 3D: DATA SETS FOR LIBRARIES**

**Notes of the working group 2 meeting of SC3D held in Prague, Czech Republic , October 14<sup>th</sup> and 15<sup>th</sup> 2002.**

**Present:**

Sumio Araki (JP), Satoshi Ito (JP), František Mlejnek (CZ), Stefan Mülhens (DE), Frans van Noesel (NL), Donald Radley (GB), Peter van Reekum (NL), Fritz Reuter (DE), Mitsuru Takahashi (JP), Tapio Vitanen (FI) and Takayuki Yabe (JP)

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**1 Opening**

The convenor welcomed the members in Prague and opened the meeting. He especially welcomed Stefan Mülhens, František Mlejnek and Takayuki Yabe being new participants in the working group. Apologies for Mathias Grundel were offered by Stefan Mülhens as Mathias expects any moment a family extension.

**2 Approval of the agenda; document SC3D/WG/48**

It was agreed to add the following item to the agenda: "Demonstration of IEC online data base" by Jack Sheldon as point 8.

**3 notes and action point previous meeting, document SC3D/WG/43**

No comments were received on the minutes, so they were accepted as published.

**action points:**

1. Amendment to IEC 61360-1  
ready for publication and circulation as CDV;  
further to be discussed under point 4 of the agenda
2. Supplement 1 IEC 61360-4 GEO DETs  
to be discussed under point 8 of the agenda;
3. Supplement 2 IEC 61360-4 DIE DETs  
to be discussed under point 8 of the agenda;
4. Supplement 3 IEC 61360-4 ECALS DETs  
to be discussed under point 8 of the agenda;
5. IEC 61360-2 Amendment or new edition  
to be discussed under point 5 of the agenda;
6. IEC 61360-5  
to be discussed under point 6 of the agenda;
7. Guidance document Technical Report  
this action is incorporated in the list of projects/activities of SC3D;
8. Experts for fibre optics  
Mr. Grundel will be remembered about the expected action from his side.



#### **4 Proposed amendment to IEC 61360-1, document SC3D/WG/046**

The proposed amendments were discussed and the following decisions were taken

##### **4.1 add 'synonymous names' as class attribute**

The working group accepted the Japanese proposal to add the attribute for synonymous names to classes. The number of synonymous names allowed will be restricted to two (same as for DETs).

A note, to be prepared by Donald Radley, will be added which will express that if such a class has been found by its synonymous name, for further classification purposes etc. this class will only be known by its preferred name.

##### **4.2 length of value\_code\_len**

A discrepancy was found regarding the length of the value code and the coded name both defined by value\_code\_len in parts 1 and 2. It was decided to bring part 1 into line with part 2 (length will be 18).

##### **4.3 indicate more clearly that in part 1 the clause regarding the entity TERM has been deleted.**

In the amendment to part 1, it will be more clearly indicated that the clause covering the TERM entity has been deleted. The reasons for this decision were:

- current implementations do not contain any provision for the entity TERM, and it is not expected that any future implementations will;
- the common EXPRESS information model covers the entity TERM in a rather complex way;

As the TERM, when related to classifying DETs, defines unambiguously the classification tree, it was decided to amend the entity class definition. The attribute remark will become mandatory and shall contain an unambiguous description of the preferred name of the relevant class, so defining unambiguously the classification scheme.

##### **4.4 ISO / IEC 82045**

A normative reference to IEC/ISO 82045 - Document Management; Metadata element and reference model - will be incorporated in part 1.

In clause 6, drawing entity, a note will be added that the attributes used in this clause are consistent with those from ISO/IEC 82045.

NOTE: It was decided that the SMB will be asked to issue this amendment earlier than the date mentioned in the published International Standard (February 202). This request will be included in the Strategic Policy Statements of TC3 and the TC3 report to the SMB.

#### **5 Alignment IEC 61360-2 with the corrigendum to ISO 13584-2, document SC3D/WG/047**

No comments or additions.

As the standard is more and more used, it may be expected that minor errors in the standard will be found. So the standard will require regular maintenance.

The current document contains two parts of topics:

- corrections resulting from the alignment with ISO 13584-42 and errors found during first implementations; These will be send directly to the CO to be published and incorporated in the IS 61360-2.

The working group prefers not to issue a separate corrigendum but to have the errors corrected in the publication of a new IS.

- small technical additions and changes mainly also caused by the alignment with ISO 13584-42, will be grouped and issued as a CDV as amendment to IEC 61360-2.

## **6 To discuss the status and contents of IEC 61360-5**

The most recent version of IEC 61360-5 has been sent to Guy Pierra for comments and alignment with ISO 13584-25.

At a later stage common metadata extensions in IEC 61360-5 and ISO 13584-25 may be transferred to part 2..

From the IEC side there exists no intention to abolish part 5 of IEC 61360.

As no SC3D representative will attend the STEP Seoul meeting, an ad hoc meeting with Guy Pierra .in Poitiers may be more effective. (Donald Radley & Frans van Noesel)

## **7 To discuss 'Reference rule of dictionary element from other dictionaries', contribution of Satoshi Ito document SC3D/WG/049**

- a key issue is the language problem in dictionaries. The EXPRESS information model allows only a global language qualifier for the whole dictionary, not a separate language per entity. Distinguishing different language versions by extending the Code by, for instance, adding 'JP' for a Japanese language version would be possible within the current common EXPRESS information model, but is not preferred. Other solutions discussed would require a change to the model. This issue has to be discussed with other groups of implementers of the dictionary. Norman Swindells will be asked to discuss the issue during the upcoming STEP meeting in Seoul with Guy Pierra.
- reference to other DETs with nearly the same semantic  
Changes of attributes imply a change of the version and so the identifier. So there will not exist any relationship. A possible intermediate solution can be to use a new identifier for local use. When using the 'X' as first character no misunderstanding can grow in the data base. Otherwise two parties would be able to change at the same time the version (and so the identifier) number.  
Only a typographical error can be changed at local level as the revision number does not change applications and does not influence the information exchange.

## **8 the IEC online data base for DETs**

A demonstration of the prototype of the IEC online data base was given by Jack Sheldon.

Following the demonstration a wish list was prepared for discussion with Central Office and a priority of the desired order of implementation was indicated.

<b>WISH LIST REGARDING THE IEC ONLINE DATA BASE</b>			
<b>Nr</b>	<b>Topic</b>	<b>priority</b>	<b>milestone</b>
1	make class definition optional; (DET list only);	3	3
2	searching free text in names, DETs and Classes and searching via combi boxes	1	2
3	What's new, what happened since ..... ( input date )	1	2
5	Graphics – JPEG, GIF-files	4	3
6	DET used in Classes	2	3
7	Inheritance optional, whole list or added list at that Class level;	3	3
8	Input facility; HOW ???	5	4
9	Select or display	3	3
10	Basic download against payment	6	6
11	Advanced downloads (at longer term)... against payment	7	
12	status of data base entries; alignment of terminology with other TC3 data base;	0	1
13	source document and other attribute names shall be clarified to avoid misunderstandings	0	1

\*\*milestone 1 available March 1<sup>st</sup>, 2003  
milestone 5 latest available in October 2003, before the IEC GA

A taskforce will be proposed to harmonize the used status terminology in the different IEC TC3 data bases. A list of people who shall have access to the prototype data base was suggested:

- SC3D working group 2 and IEC TC3 officers;
- ISO people Wolfgang Wilkes, Guy Pierra;
- ECALS & RosettaNet : Ted Haas, John Messina;
- after improvements to national committees and technical committees;

While access is free, there will, however, be a registration process. An access procedure may create a barrier to use but on the other hand it may be interesting to know the users/visitors of the online data base.

Besides this data base also the CDROM data base version of Donald Radley is available; this contains, in addition to the IEC online data base, a whole set of input tools and output generators in various data formats, while already most of the topics from the wish list are implemented.

The availability of the CDROM data base of Donald Radley via the IEC Central Office is becoming more and more urgent as industry is waiting for computer sensible outputs from the data base to be used in local applications.

### **8.1 Discussion about free of charge availability of IEC STEP Physical file in the ISO 13584 context.**

No progress was made.

It should be stated that there is not yet any PLIB dictionary available.

However if somebody who has bought the dictionary sends information using the standard from that dictionary he is authorised to give that dictionary information to the receiving side needed for that side to understand the received information.

### **9 List of projects in SC3D**

The following updates were made. A new updated document of the overview of project in SC3D is attached as Annex B.

1. 61360-1 Ed2 published in 2002-02, reviewed in 2004;
2. 61360-2 Ed2 published in 2002-01, reviewed in 2004;
3. 61360-5 available as draft CD; waiting for comments Guy Pierra, next stage CDV end 2002;
4. 61360-1 amendment to Ed 2: next stage CDV 1<sup>st</sup> quarter 2003;
5. 61360-3: postponed to next working group meeting; review based on the availability of the online data base; pre-work will be done by Donald Radley and Frans van Noesel and a CO officer;
6. 61360-2: corrigendum/amendment: the technical corrigendum will be send directly to the CO; the amendment will be circulated as CDV; next stage 1<sup>st</sup> quarter 2003;
7. template Mr. Araki: software is on CDROM, needs some work in alignment. temporarily on a hold until the input format for the online date base is defined;
8. CD ROM Donald Radley: is a separate project; the support documents on the CDROM will be placed on the SC3D web page as standing documents. The SC3D web page has to be updated
9. a new guideline is in preparation.
10. Dictionary data base online, see item 8; development will be closely followed; discussion in next working group;
11. CDROM is available depending on the position of CO on how to continue, selling etc. Maintenance of tools should be done by external software experts (SW house) when in house IEC has no manpower for this
12. 12 to 14 61360-4 supplements 1, 2 and 3: these have been circulated and will be gathered into one document and circulated as CDV

The German National committee expressed their concern about as to how they might comment on such large documents. If the on-line data base is in place then it can also be used as a validation tool. National committees like to search and browse around the DB to look for newly-added DETs..

13. 15 and 16 61360-4 supplements 4 and 5: The Japanese comments on Relays will be considered. First however the documents will be send to the Germany NC for advice. (Mr. Topp)
14. 61360-4 supplement by ECALS DETs: on hold waiting for providing DETs by ECALS.

### **10 Status of Maintenance and validation agency**

Discussed in list of projects discussions.

### **11 Any other business**

Due to a reorganisation in the Philips standardisation department there will be a change in convenorship. Frans van Noesel will take over the convenorship of Peter van Reekum.



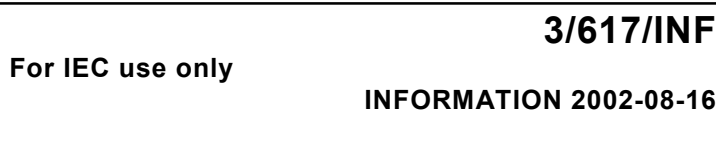
**Annex A**

<b>List of Actions</b>			
<b>No</b>	<b>Clause</b>	<b>Action</b>	<b>Responsibility</b>
1	3	Reminder to Mathias Grundel regarding experts for fibre optics, relays and connectors	F. van Noesel
2	4.1	amend part 1 regarding synonymous names for classes	F. van Noesel
3	4.1	Explanation note regarding the use of synonymous names of classes	D. Radley
4	4.2	update part 1 regarding length of value code etc.	F. van Noesel
5	4.3	indicate more clearly in the amendment to part 1 that the entity TERM has been deleted	F. van Noesel
6	5	send technical corrigendum of part 2 to CO	F. van Noesel
7	5	issue the small technical modifications as an amendment to part 2 as CDV	F. van Noesel
8	9	update list of projects in SC3D and perform actions	F. van Noesel

## Annex B

OVERVIEW OF PROJECTS IN SC3D								23-10-2002
Proj. nr.	Description	Starting date project	proj. stage	Document nr.	Document date	Target date next stage	Responsibility	Comments
1	IEC 61360-1 Ed. 2	1997-01--01	Publ.		2002-02	2004-01	MT	
2	IEC 61360-2 Ed. 2	1997-01-01	Publ.		2002-01	2004-02	MT	
3	IEC 61360-5 Ed. 1	2000-01-01	CD	3D/80/CC	2001-03-09	2002-12-31	MT	Waiting for comments Guy Pierra
4	Amendment 1 to IEC 61360-1 Ed. 2	2000-10-01	WG	3D/97/CC	2002-03-08	2003-03	MT	circulate as CDV
5	IEC 61360-3 Ed. 2						MT	next WG after pre-work by chairman and secr. and CO officer
6	Corrigendum to IEC 61360-2	2002-05-01				2003-03		corrigendum to CO
7	Amendment 1` to IEC 61360-2	2002-10-01				2003-03	MT	circulate as CDV
8	Template for request for new/update DETs (on line database S. Araki)	2000-01-01	WG				MTT	on hold until input format online DB has been defined
9	Template for request for new/update DETs (CD-rom D. Radley)	2001-03-01	WG			2003-06	MT	regular maintenance
10	Guidance document how to use the template	2001-10-01	WG				MT	support documents will be placed as standing documents on the SC3D website
11	Data Dictionary database on line	1999-10-15	WG			2003-03	MT/CO	second prototype available,
12	Data Dictionary database on CD-rom	2001-02-16	WG				MT	in agreement with CO
13	IEC 61360-4 Supplement 1, 2 and 3 into one document	1996-01-01	CD			2002-12	MT	circulated as CDV as one document
14	IEC 61360-4 Supplement 4 and 5	1999-01-01	CD			2002-12	MT	send to German Nat Com. for advise
15	IEC 61360-4 (exp requests from ECALS)						MT	Waiting for providing DETs by EALS

**Annex B**  
**Liaison report TC93 by Mr. Viitanen document 3/617/INF**



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### Technical Committee No. 3

Information structures, documentation and graphical symbols

Report on the liaison to TC 93 Design automation, to the meeting in Prague 2002

#### 1 Meetings and other activities

TC 93 had its last meeting in **Florence Italy**, October 2001 just after TC 3 group-meeting in Oslo. Next TC 93 meeting will be arranged in **Beijing, China** October 2002.

#### 2 Strategic direction of the activities

During the interval between meetings no changes have been proposed into the strategy of the committee. As earlier part of TC 93 policy is to make use of the work done by the feeder organizations.

#### 3 Published standards of interest to the work in TC3 with SCs

No new published standards of interest to the work in TC3 with SCs since the last report.

#### 4 Documents under work of interest to TC3 with SCs

Draft **IEC 62016** (93/125/CDV) Design automation reference model - Core model of the electronics domain has been under voting in the beginning 2001 and the FDIS is under preparation by WG 1 and WG 3. Project is however late from its timetable. The project is partly related with EDIF and STEP AP210.

#### 5 New work items and planned work of interest to TC3 with SCs

TC 93 has three working groups related with TC 3 area work namely: **WG 1**: Electronical data harmonisation (Approaches, methodologies and technologies), **WG 3**: Reference model for electronic design interchange format and **WG 6**: Library of Reusable Parts for Electrotechnical Products.

- Last reports of WG1 and WG3 was presented in Florence. Reviewing e.g.: XML in EDA, Archive ESPRIT. Accordind WGs reports all new projects should be XML based.
- Action plan of WG6 includes a level zero project for a future TR IEC 62014-2: Library standard architecture. WG 6 has started project to test of Electronic Component Description Interoperability Experiment Using: **ECALS**, **ECIX(RosettaNet)**, **MERCI**, **PLIB**, **(IEC61360)** methodologies.



## 6 Other matters of interest

TC 93 has also been represented in ACET and ACET/Area 4 meetings as well as in discussions about e-commerce e.g. in ISO - IEC – ITU - UN/ECE Memorandum of Understanding Electronic Business Management Group.

**Information to TC 3:** I will retire during next year so *TC 3 should find a new liaison officer to TC 93.*

Tapio Viitanen  
Liaison officer to TC93

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**Annex C**  
**report of ISO TC184/SC4/WG2 document 3D(Prague/vanNoesel)02**



3D(Prague/vanNoesel)02
For IEC use only
2002-10

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**TECHNICAL COMMITTEE NO. 3: DOCUMENTATION AND GRAPHICAL SYMBOLS**

**SUB-COMMITTEE NO. 3D: DATA SETS FOR LIBRARIES**

**Report from the ad-hoc Joint Working Group: IEC/SC3D -- ISO/TC184/SC4/WG2**

The contact between the members of both SC's was this time restricted to the ISO/TC184/SC4 (STEP) meeting in Myrtle Beach. Besides there was a regular email contact. Topics of common interest in both committees were discussed; main issue however to keep the common ISO IEC EXPRESS dictionary scheme COMMON.

The consequences to the common EXPRESS information model caused by the update of IEC 61360-1 have been discussed and solutions have been agreed. In due course it became clear that the extensions required by IEC are almost the same as ISO requires. Based on this fact it was agreed that IEC would include ISO 13584-25 as a normative annex in IEC 61360-5, with the mutual understanding that the ISO part is leading.

It is still open to decide which parts from IEC 61360-5 and ISO 13584-25 may be transferred to a new version of the common EXPRESS model (IEC 61360-2).

Representatives of both committees (ISO STEP PLIB and IEC SC3D) expressed their intention to continue the fruitful co-operation and to keep the common EXPRESS Information model COMMON.

A handwritten signature in black ink, appearing to read 'van Noesel', with a long horizontal stroke extending to the right.

Frans van Noesel