



European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung



TC 278 Road Transport and Traffic Telematics

N1871

Title : Minutes of a meeting of WG 1, Capetown, 2006-10-04
Source : Mr. Johan Hedin, secretary of WG 1
Date : 2006-10-19
Status : For information
Work item :
Note :

n1871 Report of WG 1 meeting Capetown 2006-10-04.doc

Secretariat: **Nederlands Normalisatie-instituut (NNI)**

Mr. J.A. Dijkstra
Vlinderweg 6
P.O. box 5059
2600 GB Delft
The Netherlands

Telephone : +31 15 2 690 127
Telefax : +31 15 2 690 242
Telex : 38144 nni nl
Internet : jelte.dijkstra@nen.nl
WWW : <http://www.nen.nl/cen278>

Minutes of the 61st meeting of CEN/TC278/WG1 (and ISO/TC204/WG5) held in Cape Town on 2006-10-04

Present: Beier, Botha, Caneschi, Carlsson, Catling, Engdahl (chairman), Enge, Erker, Hedin (secretary), Jouen, Karlsson, Kudoh, Leist, Liebenberg, Mackinnon, Mühlethaler, Noguchi, Philipp and van Wyk.
Notice for absence: Choi, Foss, Louro, Martinez, Olson, Pettersson and Rafols.

1. OPENING AND WELCOME

The convenor, Mr. Engdahl, welcomed the members and opened the 61st WG1 meeting. Mr. Engdahl thanked the host, SABS and Neil Frost, for organising the meeting and the social events.

A special welcome was extended to our guests from the host country; Mr. Ian Liebenberg of the National Roads Agency. He is responsible for technology and EFC standardisation in RSA. Mr. Bert Botha, of Tollink, replacing our former guest from Tollink, Mr Roux. And finally Mr. Pierre van Wyk, from Accenture.

The secretary noticed apologies for absence received from: Choi, Foss, Louro, Martinez, Olson, Pettersson and Rafols.

2. AGENDA

The proposed agenda was adopted without any changes.

3. MINUTES OF THE PREVIOUS MEETING AND ACTION POINTS

The draft minutes of the previous meeting (N975 rev1) were approved without any changes.

The status of the action points from WG1's 60th meeting was reported.

ICA-56.7	Make a comment resolution report for the 17575 TC-comments. Pending. See 6.3 below for a report on this from Mr. Catling.
DMK-56.11	UK input to the CAN-bus paper provided by Mr. Benz (N902). Deleted. The item is deemed to be of low priority and is consequently deleted.
SBE-56.12	Revise the CAN-bus paper accordingly (N902). Deleted (as a result of action 56.11 above).
TFO/JEN-58.2	Organise a joint session with ISO/TC204/WG8 in conjunction with the Cape Town meeting. Done. The meeting is reported below.
DMK-59.8	Give a presentation at the Stockholm meeting on any requirements identified regarding urban issues in the UK. Pending. It was agreed to have this presentation at the WG meeting in London (m62). Mr. Mackinnon also noted there will be a presentation on the issue at the ITS World Congress in London.
JHE-60.1	Explore the possibilities for a South African EFC-presentation at the next WG1-meeting in Cape Town. Done (presentation distributed as N989).
JEN-60.2	Propose 25110 as a new WI in TC278. Done (see report below).
TFO-60.3	Organise a workshop meeting on 17573, 8 September in Trondheim. Done.
EPE/UMU-60.4	Sort out how to refer to ETSI standards in the 15509-test standard. Pending.
JEN-60.5	Reinstate the work item on the Test standard for 15509. Done (see report below).

4. NEXT MEETINGS AND INTERNAL ADMINISTRATION

Next meetings

The next meetings are scheduled as follows.

Dates	Venue	Organiser
25-26 January 2007	London	Mackinnon
19-20 April 2007	The Netherlands	Vis
28-29 June 2007	Switzerland	Engdahl/Mühlethaler

It was agreed to consider to having our autumn 2007 meeting in conjunction with the TC204 meeting in Asia. It remains to be checked if this is viable, until we know the precise planning for the TC204 meeting.

The following preliminary overall schedule was agreed for the next meeting in London:

Jan 25	08:30 – 18:00	SG1 meeting (overlap in the afternoon with SG2/5)
	11:00 – 18:00	SG2 meeting
	11:00 – 18:00	SG5 meeting
Jan 26	09:00 – 15:00	WG1 plenary meeting

It was noted that SG1 will overlap with the other subgroups, but this is unavoidable given the required meeting times and due to the fact that the WG wants to avoid having a three-day meeting. It was agreed to address the general topics and key issues in SG1 as far as possible before 11:00, and continue with more detailed issues during the parallel parts of the day.

Mr. Mackinnon offered to check with TfL if they are interested in organising some kind of demonstration of the London-system (**action DMK-61.1**).

Administrative issues

The secretary informed about the recent distribution of ISO/CEN templates (N842) for drafting of standards. He also explained that:

- The template consists of three files that are intended for use in MS Word (most recent update called STD 2.2).
- Figures should be edited and saved separately in TIFF or JPG formats. Also the associated graphical source files (e.g. CorelDraw or Visio) shall be delivered to the WG secretary for storage in the WG archive.
- The template and drafting rules (N825) are the same for CEN and ISO standards.

Editors are recommended to read through N825 before starting editing.

The template may also be found in the WG1 LiveLink site under "General Documents" and in BOSS:
<http://www.cenorm.be/cenorm/workarea/downloads/downloads.asp>.

Below some further advice from the CEN/TC278 secretary, in response to an earlier inquiry from the WG:

"What I encounter often are text boxes grouped together and embedded in the Word file. These are a notorious source of all kind of problems. Please refrain from "building" figures from text elements, boxes, frames and what have you. It is better to draw a figure outside Word, convert it to JPG or TIFF and incorporate a link in the text.

Try to avoid figures with text in them. Rather use symbols (a, b,), to which you can refer in the body text of the standards. This makes both formatting and translating pictures much easier. Also, the main reason figures have to be edited is because they contain errors in the text.

It is still a good idea to keep figures separate from the text and number them as TS XXXXX fig1(E).nnn where XXXXX stands for the deliverable number (ISO NP number) and (E) denotes the language (in the case of text in the figure) and nnn gives the file format. Figures in annexes should have the annex reference before there number. For example: TS 12345-1 figB1(E).tiff is figure 1 in annex B in TS 12345-1. It is in TIFF format and it has language-sensitive elements, of which this is the English version.

Please note: figure titles are not part of the figures!"

The convenor informed about a new guidance document from CEN (N983) called "Guidance on the implication of the ISO global relevance policy for CEN standardisation". This document offers a sequence of 'Routes', in descending order of preference, for use by CEN technical bodies in the preparation of common ISO/CEN standards:

- Route A: Single technical solution;-
- Route B.1: diverging requirements addressed through different normative clauses;-
- Route B.2: additional requirements addressed through a normative annex;-
- Route C; diverging requirements addressed through separate ISO technical specs; or
- Route D: Additional requirements addressed through a separate EN.

The convenor informed about an updated set of CEC/CENELEC internal regulations and CEN Guides available on BOSS. These will be circulated by the secretary and briefly explained at the next meeting (**action JHE-61.2**).

5. FEEDBACK FROM CEN/TC278 AND ISO/TC204

Progress of standards, voting, etc.

For the reinstatement of the WI on "Conformance evaluation of on-board and roadside equipment to EN 15509", Mr. Engdahl reported that it was agreed at the most recent TC278 meeting to use the written procedures (see resolution TC278/037/02/2006). WG1 is advised to use the CEN template for new work item proposal (also known as form A). Mr. Hedin will forward the template to Mr. Jouen to prepare with WG secretariat the proposal by the end of October 2006 (a working draft will be included for information) (**action JFJ-61.3**). The standard will consist of two parts as previously decided:

- Part 1: test suite structure and test purposes
- Part 2: abstract test suite

For 25110 as a CEN WI, Mr. Engdahl reported that we are advised to use the same written procedures as noted above. Mr. Hedin will forward the template to Mr. Jouen to prepare with WG secretariat the proposal by the end of October 2006 (a working draft will be included for information) (**action JFJ-61.4**).

Mr. Engdahl informed that the EC had rejected the initial grant application for 1757 in July. However, the EC had urged submission of a revised application. He informed that he has revised 3 EFC grant applications, taking the EC's comments on the initial application into account and in consultation with the TC278 secretary, WG secretary, the SG convenors and the editors for submission to the European Commission via CEN CMC:

- 17575 "GNSS/CN based AID (parts 1-4)";-
- Conformity evaluation of on-board and roadside equipment to EN 15509 (parts 1-2);-
- Information flows between EFC operators.

He highlighted the difficulty to gain insight into the further processing of the applications and by when we can expect to learn about the outcome of the evaluation.

CEN/TC278

The last TC278 meeting was held at 21-22 September in Budapest.

Mr Engdahl reported:

- Concerning m/338 progress; TC278 will address the chair of ITSSG, Ms. Cathy Jenkins, on the position taken by TC278 at the meeting in March 2006.
- On ITS architecture, there was an Austrian proposal that will be revised by a small group led by the WG13 convenor (work will be supported by a small group including the WG1 convenor).
- Terminology was discussed. The Czech will collate CEN input to ISP NP 25105 (ITS terminology).
- TC278 adopted WG1s recommendation of a new work item (TR) on "Ensuring the correct function of ETC equipment installed behind metallised windscreens". The TR is based on a report from ERTICO. No specific WG will take on the work, but AFNOR will update and edit the report to fit into the prescribed CEN format.

The next TC278 meetings are scheduled for 29-30 March 2007 (**note**: change of dates from previously noted dates) in Berlin and 27-28 September 2007 in Florence.

ISO/TC204

There has been no TC204 meeting since the last WG1 meeting.

Mr. Engdahl reported:

- There is a new TC204 secretariat being installed. Mr. Dave Thompson (supported by Mr. Tyler Messa) of Telecommunications Industry Association, USA.
- Outreach workshops have been held in Thailand, at which Mr. Noguchi presented the EFC standards, and in South Africa.

The next TC204 meetings are scheduled for 2-6 October 2006 (Cape Town, South Africa) and 23-27 April 2007 (Lexington, USA). The subsequent meeting in autumn 2007 will be in Asia-Pacific (venue and dates to be decided).

6. SUBGROUP REPORTS

6.1 SG1 report

Mr Philipp reported on the SG1 meeting held 2006-10-03 (minutes in N985).

17573 – EFC-Architecture

Document: N930 rev3.

A task force meeting was held Trondheim on 8 September, which outlined the latest draft of 17573. Task Force minutes are to be distributed in WG1 (**action KPH-61.5**).

There were lots of discussion at SG1 on 17573 and there are different views on how to understand the standard. The main issues are: scope, structure, EFC in EFC-community (the interface-defining figure), objectives of the standard, which level of detail, the use of action diagrams, and more. It is confirmed that the standard shall still be the "umbrella standard" for all other work in WG1. It was also noted that it is deemed premature to propose a splitting of the standard into parts (as previously discussed in SG1).

Therefore SG1 deemed it premature to send a draft out for TC-review. The group members shall provide written comment (using the comment sheet of CEN) by the end of October. The comments will be compiled in one document and a new draft of the standard will be edited taking the comments into account. Then the next SG1-meeting (London 26 January 2007) will focus on the most critical comments.

New target dates were agreed:

- A first draft to be circulated for parallel TC comments (stage code 20.60) by February 2007.
- Draft to be submitted for CEN enquiry / DIS ballot (stage code 30.99) by October 2007.

The SG-convenor will explore the possibilities of having another Task Force meeting before the end of the year.

Information flows between operators

Document: N965 rev1.

A new draft from has been done by, Mr. Caneschi and was sent out before the meeting. Mr. Philipp noted that there was not time to discuss this document at the SG1 meeting and that we should wait for 17573 to progress first.

6.2 SG2 report

Mr. Jouen reported on the SG2 meeting held on 2006-10-03 and 2006-10-04 (minutes in N986).

15509 – IAP-DSRC

Document: N859 rev9.

The CEN Enquiry was finalised in mid September and yielded 98 comments (from FR, DE, PT, AT, SE, CH). 25 votes were cast with the result; 22 Accept, 2 Abstain and 1 No. SG2 having prepared the draft resolution of the CEN enquiry comments in advance have processed all the comments in a Comment Resolution Report (N892) that was agreed by SG2. The main topics discussed were:

- The new solution allow for both with and without Access Credentials. Two security levels are defined together with a new annex. It is noted that WG1 cannot (and should not) make a choice in this issue. It is up to operators, authorities and the EC.
- Reworking of the data elements definition in Annex A (as not to repeat things already defined in 14906)
- Personalisation is outside of the scope of 15509 (but may be new standard).
- A major reworking of the data specification annex is done as not to overlap with the 14906 definitions.
- The Vehicle Authenticator data element has been omitted.
- There are several comments that will lead to suggestions for update of 14906, incl; new Euro vehicle-classes.
- System security (design) is outside the scope of the standard, whereas the security measures needed for the EFC-DSRC interface is part of the scope and is covered by the standard.

Mr. Beier and Mr. Leist raised a concern regarding the German comment on 15509, that the proposed solution might be premature without a full EFC system security solution defined. It was noted that security is covered in 15509, WG1's Security Analysis ITR (N418) and in the Security Services Framework – TS 17574. The EFC system security design is outside the scope, whereas the tools needed for the EFC-DSRC interface is part of the scope and is covered by 15509 (incl. AC_CR and authenticators). The upcoming Information Flows standard will tackle key management, blacklists and other security related information flows between operators. Furthermore the new EG12 will analyse security and might come up with a security needs or a toolbox that might lead to ideas for new standardisation work items.

WG1 agreed to accept the SG2 recommendation to do editing as defined in the resolution report and to send a new version of 15509 out for formal vote (**action JHE/JFJ-61.6**). The target date is 3 weeks from now.

Conformance testing for 15509

Document: N860 rev4

It was again noted that there is a delay in Project team funding and that no progress has been made since the last meeting. A WI proposal will be done as described under agenda item 5 above.

25110 – On-board account interface definition

Document: N898 rev041.

A new draft (N898 rev041) has been made and was distributed to the subgroup before the meeting. The target is to have a WD ready by April 2007. A WI proposal for CEN will be done as described under agenda item 5 above.

6.3 SG5 report

Mr. Catling reported from the SG5 meeting held on 2006-10-03 and 2006-10-04 (minutes in N987).

17575 – GNSS/CN based AID

The subgroup has drafted response to comments and a new draft of the comment resolution report has been made. In particular there is 16 main points being discussed. It is the aim to have the report finished by the end of the year, for approval in January 2007.

There is a new numbering and renaming of the different parts of 17575. As this may conflict with the grant application, the SG and WG-convenors are to sort this out (**action ICA/JEN-61.7**). The different parts are reported separately below:

- Part 2: Update. A new draft as available. This contains a "radically new way" compared to earlier drafts.
- Part 5: Profiles. Mr- Beier and Karlsson have done some input on this part and have defined 6 profiles (or scenarios). SG5 will advise the WG on the objective, scope and how to progress this part at the WG plenary meeting in January 2006 (**action ICA-61.8**).
- Part 1: Charging. A new draft has been done that deals with data elements, etc. Further work to be done before the end of the year.
- Part 4: Communication. No new draft as the focus has been on profiles.
- Part 3: Roaming. This was not discussed at the meeting.

The time scale was updated as follows:

- A comment resolution report to be done by the end of the year.
- A "complete set of partial drafts" to be done before the end of the year for the five parts as above. It was also noted that this does not mean that the work is done. There is still a substantial amount of work to do, and Project Teams are needed to finalise this in a timely manner.

IPR and patents

Letters asking about patents were sent out by the SG-convenor in June. There is a spreadsheet summarising the answers received. This includes a positive answer from Daimler-Chrysler, that has a patent covering the Intelligent Client (3A) solution. SG5 will ask for free access to this specific patent. There is also an unresolved issue with Vehicle IP and a letter has been received.

Mr. Engdahl summarised the way forward: We should highlight the IPR-issue in foreword / introduction as stated in the CEN/ISO guidelines. In parallel we should seek guidance from the TC and CEN on how to solve this issue more satisfactorily (**action ICA/JEN-61.9**).

7. FUTURE EFC WORK ITEMS

Mr. Engdahl recalled previous minutes for the issues being discussed.

It was noted that France has presented ideas for standardisation of OBU personalisation in their IAP comments.

Mr. Beier raised the idea to define a profile for a DSRC-transaction for enforcement proposes. Mr. Engdahl added that perhaps it would make sense to define integrity requirements for event log and enforcement transactions.

Mr. Beier also noted an idea from the MISTER-project to define a GNSS/CN SAM (or PIM) module for the OBE.

It was agreed that it is pre-mature to propose new work items based on these new ideas, but that we should keep monitoring the developments related to these themes and reflect on the need for future work items.

8. EFC IN SOUTH AFRICA STATE-OF-AFFAIRS

Mr Leibenberg gave a presentation of the status of Electronic Toll Collection in South Africa (slides in N989). SANRAL develops and maintains the national road network in South Africa including some toll roads using DSRC-EFC. SANRAL uses a common specification for interoperability and an interoperability framework is being defined.

9. LIAISONS

CEN/TC278/WG3 SG5 on Public Transport

Mr. Philipp reported on the joint meeting being held 2006-10-02 between WG5 and WG8 in TC204. Both group presented work being done on architecture for their sectors (17573, information flows and IFMSA). There are great similarities and some differences, e.g. IFM uses a term called "product" which does not readily fit our architecture framework. The documents may be further harmonised with each other. UK has offered to have a further look at the mapping of the two sectors. There is also a good set of slides from Mr. Foss presented at SG1 regarding the model projections (SG1 N024).

WG8 are considering a second part on the IFMSA, but have not yet progressed on this.

CEN/TC278/WG12 on AVI/AEI

Mr. Engdahl reported that a few new standard proposals in the AVI/ERI series are being balloted.

CEN/TC278/WG13 on Architectures

This WG is dormant in CEN but active in ISO (TC204/WG1). They are now setting up some web sites, that may be of use for publishing defined terms.

CEN/TC224 WG11 on Machine readable card, related device interfaces and operations - Surface transport applications

Mr. Philipp reported that IOPTA is being sent out for formal vote.

ETSI

Mr. Hedin gave a brief report based on an e-mail from Mr. Mulligan received before the meeting.

ETSI STF 282 has now completed its work and all the test specifications produced have now been published by ETSI:

- TS 102 486-1-1 DSRC Data link layer PICS
- TS 102 486-1-2 DSRC Data link layer TSS&TP
- TS 102 486-1-3 DSRC Data link layer ATS and Partial PIXIT
- TS 102 486-2-1 DSRC Application layer PICS
- TS 102 486-2-2 DSRC Application layer TSS&TP
- TS 102 486-2-3 DSRC Application layer ATS and Partial PIXIT

These are all available for free from the ETSI Publications service: <http://pda.etsi.org/pda/queryform.asp>

Work items for 2nd editions of these specifications have been opened at ETSI, and work has commenced. Comments can still be taken into account and will be incorporated in the 2nd edition. It is expected to close the 2nd edition in Q1 2007.

In parallel, the STF has produced a number of proposals for clarification of the CEN base specifications. They will be submitted in time for the next CEN TC 278 plenary.

EU EFC-Directive

Mr Hedin reported that there are now dates for the next CT meetings; 28-29 November. The meeting will deal with CESARE-3 and EG7 (dealing with the role of financial institutions with regards to the EETS) results.

The Expert Group 12 on security is set to start with the first meeting on 24 October. WG1 will seek to set up a liaison as soon as the group is in place.

The RCI project is progressing. They will organise an Open Architecture Workshop on 21 November at ERTICO.

National

There were some additional brief reports on national EFC progress.

10. ANY OTHER BUSINESS

None.

Pending action points

Pending action points from WG1's 61st meeting.

- ICA-56.7 Make a comment resolution report for the 17575 TC-comments.
- DMK-59.8 Give a presentation at the London meeting on any requirements identified regarding urban issues in the UK.
- EPE/UMU-60.4 Sort out how to refer to ETSI standards in the 15509-test standard.
- DMK-61.1 Check with TfL the interest in doing a demonstration at the London meeting.
- JHE-61.2 Circulated and briefly explain an updated set of CEC/CENELEC internal regulations and CEN Guides available on BOSS.
- JFJ-61.3 Prepare a new WI application for the conformance evaluation of 15509 to be sent to CEN.
- JFJ-61.4 Prepare a new WI application for 25110 to be sent to CEN.
- KPH-61.5 Prepare Task Force minutes of the Trondheim 17573 meeting.
- JHE/JFJ-61.6 Prepare a new version of 15509 and send it to the TC for formal vote.
- ICA/JEN-61.7 Sort out any problems with the new numbering of parts in 17575 and the grant application.
- ICA -61.8 SG5 to advice the WG, at plenary meeting in January 2006, on the objective, scope and how to progress the possible new part on profiles.
- ICA/JEN-61.9 Seek guidance from the TC and CEN on how to solve the remaining IPR issues in 17575.