## TC 278 *Road Transport and Traffic Telematics*     **N2039**

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| Title | : | Minutes from a meeting of WG 1, Munich, 2008-04-16 |
| Source | : | Mr. Johan Hedin |
| Date | : | 2008-05-14 |
| Status | : | For information |
| Note | : | |

**Minutes of the 67th meeting of CEN/TC278/WG1 (and ISO/TC204/WG5) held in Munich on 2008-04-16**

Present:　　Ambrosch, Appel, Caneschi, Catling, Engdahl (chairman), Enge, Eriksröd, Erker, Foss, Grush, Haderer, Hayakawa, Hedin (secretary), Janusson, Jouen, Kang, Kerstjens, Kollenhofer, Kurano, Leist, Louro, Mackinnon, Marc, Martinez, Oehry, Ohst, Philipp, Rafols, Roivainen, Russel, Tijink and Vis.

## 1.　　OPENING AND WELCOME

The convenor, Mr. Engdahl, welcomed the members and opened the 67th WG1 meeting.

A special welcome was extended to new members and guests:
  −　Mr. Bern Grush of SkyMeter Corp in Canada. He is a full member of the group.
  −　Mr. Jorge Alfonso Kurano is working with Prof. Jose Manuel Menendez at the Universidad Politecnica de Madrid (UPM) in Spain. He replaces Prof. Menendez for this meeting.
  −　Dr. Karl Ernst Ambrosch of the Technisches Büro für Telematik in Austria is a new full member of the group.
  −　Mr. Tore Eriksröd of Asfinag is the Project Leader for CESARE-4 and takes part as a guest.

It was also noted that Mr Miroslav Marc has become a full member representing Slovenian Institute for Standardization.

The secretary noticed apologies for absence received from members: Beier, Carlsson, Kudoh, Lotz, Nogushi and Olsson.

## 2.　　AGENDA

The proposed agenda (rev1) was adopted.

## 3.　　MINUTES OF THE PREVIOUS MEETING AND ACTION POINTS

The draft minutes of the previous meeting (N1110) were approved without any changes.

The status of the action points from WG1's 66th meeting was reported.

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| DMK-64.7 | Provide a paper of urban RUC requirements done by the UK for circulation in the WG. Pending. |
| TFO/JHE-65.11 | Invite the project leader of CESARE-4 to the next WG-meeting. Done. The project leader of CESARE-4, Mr Eriksröd has been invited to give a presentation under Point 8 on the agenda. |
| JTI/ICA-66.1 | Invite WG16 to give a presentation in SG5. Omitted. After discussions with WG16 this was deemed as not being necessary. |
| TFO-66.2 | Organise joint (ISO) WG5 and WG8 workshop in April. Done (see SG1 report). |
| JEN/JHE-66.3 | Propose a new SG-organisation related to CCC and security issues at the WG1-plenary at m67. Done (reported under point 4 below). |
| TFO/JHE-66.4 | Forward the amended draft 17573 together with the CRR to the TC for CEN Enquiry. Done (N930 rev15). It was delivered to the TC for parallel CEN-enquiry / DIS-ballot on 2008-03-05. The exact status is unclear, but it should be prepared for parallel Enquiry now. |
| All-66.5 | Provide early national comments on 17573 informally to SG1 well in advance of the Helsinki meeting in June 2008. Pending. |
| TFO/JEN-66.6 | Forward the amended NWI on Info-Flows together with a draft ToC to the TC for vote. Done (N832 rev7 and N965 rev3). |
| TFO/JEN-66.7 | Prepare Terms of Reference for the upcoming PT on Info-Flows. Done. Mr Foss and Engdahl have provided inputs to the secretary of CEN/TC278, who is main editor and owner of the ToR. |
| TFO-66.8 | Assess the comments on 17574 and recommend an overall approach for updating 17574 and making effective use the content of Mr Ohst's security paper (N1101). Done (see SG1 report). |

JFJ-66.9              Make a draft CRR for the 14906 revision comments and make it available before the next meeting.  Done (see WG1N1122 and the SG2 report below).

JEN/ICA-66.10         Conclude the new 17575 time plan after the work plan of PT20 is reported.  Done (see WG1N1125 and SG5 report). The PT20 work plan for parts 1&2 is available. See also the minutes of the SG5 meeting for final amendments.

DOH-66.11             Update the security paper (N1101) and send it to the WG.  Done (N1101 rev1).

JEN/WBE-66.12         Prepare the CCC ISO- work item proposal and send it to TC204 for vote.  Done. JEN has asked the TC204 secretary for advice about the recommended procedure for passing a TC204 resolution. This will be proposed and tabled for the TC204 meeting in Munich.


## 4.       NEXT MEETINGS AND INTERNAL ADMINISTRATION

Next meetings

The next meetings are scheduled as follows.

| **Dates** | **Venue** | **Organiser** |
|---|---|---|
| 25-26 June 2008 | Helsinki | Appel |
| 8-9 October 2008 | Paris | Jouen |
| 28-29 January 2009 | Norway | Foss |

It was agreed in to stick with the aim to have the April 2009 meeting in Asia in conjunction with the TC204-meetings (no dates available yet).

The following preliminary overall schedule was agreed for the next meeting:
25 June      08:30 – 18:00    SG-meetings
26 June      09:00 – 10:45    SG-meetings
             11:00 – 17:00    WG1 plenary meeting.
It was agreed to have the same principal timing for the next meeting as the current meeting, and details to be worked out by the WG1-secretary together with the convenors and the host.

Mr Appel informed about some practical arrangements for the meeting in Helsinki. Members are advised to sign up for the pre-reserved hotel as hotels rooms are very sparse in Helsinki at this time of the year.

Administrative issues

Mr Hedin summarised the regulations for SG-convenors. It is only the working group (and its members) and the WG convenor that are clearly regulated. SGs are not regulated at all in CEN or ISO regulations. In working group the SG convenor acts on behalf of the WG convenors, which is common practice in CEN/TC278 and ISO/TC204 The SG convenor is normally also the "Project Leader" (N747, p23) for a work item. For more information:
   − www.cenorm.be/boss.
   − CEN/CENELEC Internal Regulations Part 2 (N685) p15f.
   − ISO/IEC Directives, Part 1 (N746), p15f.
   − ISO/IEC Directives, Supplement specific to ISO (N747), p23f.

In response to the action on a proposal for a possible new sub-group on compliance checking Mr Engdahl reported that:
   − The CCC work has been going on for some time now and have reached a mature status.
   − Location augmentation and associated testing standards (also for CCC) might start soon.
   − The work is of a "technical and interface" nature requiring both GNSS/CN and DSRC knowledge.

Based on this Mr Engdahl proposes a way forward:
   − To form a new SG responsible for CCC and location augmentation and associated test procedures.
   − To be called SG6 "CC and location augmentation".
   − Recommend that SG6 seeks a SG6 secretary;

− There is no need immediate need to appoint editors for the new WIs, in view of the upcoming PTs.

Noting that Wolfgang Beier was the CCC TF leader and that he is willing to take on the SG6 convenorship, Mr Beier was appointed as the convenor of the new SG6, and hence the project leader for the associated WIs .

Mr Hedin and Mr Beier will make the necessary practical arrangements to start the new SG6 (**action JHE/WBE-67.1**).


5.        FEEDBACK FROM CEN/TC278 AND ISO/TC204

Progress of standards, voting, etc.

EN 17574 has been out for systematic review in ISO but not in CEN (see SG1 report). The results of the review are in ISO/TC204 N2238 (WG1 N1121).

An ISO single-sided systematic review are launched for TS 14907-1, Test procedures user and fixed equipment - Part 1: description of test procedures, voting is closing 2008-06-15.

ISO CEN/DTS 25110 was submitted to the TC by the WG as an updated draft with a CRR. A second round of CD ballot was launched but was subsequently withdrawn, on the WG chair's recommendation. The document is now being launched for parallel formal vote.

The NWI on "Info Flows" has been approved (WG1 N1120 and TC278 N1999). The TC has approved the WG's proposed amendment to the title. Work will start under the lead of the SG1-convenor.

CEN/TC278

The last TC278 meeting was held in Delft on 13-14 March 2008. Resolutions are found in TC278 N2002.

Mr Engdahl and Mr Enge gave an update of recent progress and results of the meeting:
− A new set of updated DSRC standards out for periodic review. An ad hoc TC278 meeting is envisaged to address the results of the outcome review comments, if any.
− EFC architecture. The TC approved the WG's proposed amendment to the title. And it is now being launched for parallel DIS ballot.
− EETS security was proposed as a potential new work item. The TC agreed that this is a very important item for the owner and stakeholder of EETS but that CEN/TC278/(WG1) is currently not the appropriate place to define the overall security policy and solution.
− The EFC application in response to EC's ICT action programme. It was agreed to call for experts for six project teams (PTs):
    o Information flows between Operators of EFC Systems.
    o "Compliance checking of GNSS/CN systems over DSRC" + GNSS/CN OBE-localisation augmentation using DSRC.
    o Conformity evaluation of compliance checking  + conformity evaluation of localisation augmentation.
    o Requirements for personalisation of first mount OBU.
    o Urban Road User Charging requirements.
    o Requirements for a universal Pre-Payment System for EFC.
− A new ICT Work programme for 2008 has been drafted by the EC.
− The ETSI TC has been formed and a TC chair appointed. There seems to be a potential overlap of scope for work noting that ETSI new TC includes a WG dealing with "User and application requirements"; Overall coordination intended to be performed by ITSSG (TC278 N2000).
− Synchronisation of ISO and CEN programmes (TC278 N2004). After the meeting there was a decision by the CEN BT (BT N7961 also in TC278 N2004).

The next TC278 meetings are scheduled for 25-26 September 2008 in Paris, France; 19-20 March 2009 in Prague, Czech Republic and 10-11 September 2009 (tentative, location to be decided).

<u>ISO/TC204</u>

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

Mr Engdahl reported on recent progress and issues:
- The decision on splitting of the 17575 work item in line with what CEN TC278 has decided is still pending and will be handled at the upcoming meeting. 17575 was accidentally withdrawn in ISO. This WI will be "reinstated" on the TC meeting.
- A new Business Plan for TC204 was sent out (N1126). The WG had no specific comments on this.

The convenor's written report including recommendations to TC204 has been submitted (N1124) and was updated as a result of this WG1 plenary meeting.

The next TC204 meetings are scheduled for 14-18 April 2008 in Munich, Germany and in Asia, April/May 2009 (tbc).


## 6. SUBGROUP REPORTS

### 6.1 SG1 report

Mr Foss reported on the SG1 meeting held 2008-04-15 (minutes in N1128).

<u>17573 – EFC-Architecture</u>
Latest draft: N930 rev15, 2008-02 (the TC version for CEN-Enquiry is slightly edited).

An amended draft was sent to the TC in early March for preparation and launch of the parallel CEN-Enquiry and DIS-ballot. The preparation may, but need not necessarily, include translation to German and French. Messrs. Enge and Jouen (**action: REN/JFJ-67.2**) will investigate whether DIN and AFNOR need the draft to be translated into German and French, respectively.

Members are urged to come in with comments before the Helsinki meeting for pre-handling in SG1.

The time schedule was retained:
    DIS: 2008-02
    FDIS: 2008-10
    IS: 2009-02

<u>Information exchange</u>
Document: N965 rev3, 2008-01
NWI draft: N832 rev7, 2008-01.

The NWI was sent to the TC in late January and has been approved and the WI activated (TC278 N1999). TC278 also approved the WG's proposed new title "Information Exchange between Service Provision and Toll Charging". It was also noted that; AFNOR, BSI, DIN, NEN and SIS commit themselves to active participation. A first draft from WG1 was attached to the resolution.

SG1 has prepared guidance for the Project Team (PT) to be assigned to this work. The PT shall speed up the drafting. The SG has an important role to play in the development of concept and overall structure and in assisting the consensus building. SG1 is encouraged to provide a more detailed draft to the PT to work with.

Mr Foss also noted that keeping the time schedule might be difficult when at the same time the PT is being set up and that it cannot start working until quite near the first delivery deadline (CD-draft to the TC for comments in 2008-09). He thinks September is too early and that we should shift this delivery to 2009-01.

Time schedule (EN/IS track):
    CD: 2009-01
    DIS: 2009-07
    FDIS: 2010-01

TS 17574 revision,

The Systematic Review is finished and can be found in N1121. There are also comments for change from Japan and Germany. SG1s recommendation for the WG is to keep it as a TS for another 3 years, and to start the full TS-track starting with CD-ballot and TC-comments to get additional comments from members of CEN and ISO. This was agreed in the WG.

SG1 will do an update with the proposed changes and a CRR for the comments.

Starting with the German comments on 17574, SG1 also wants a new standard for security issues. Mr Ohst has volunteered to look into this and make proposals for the next meeting. This might be a possible NWI from the WG (**action DOH-67.3**).

Time schedule (TS-track):
    CD: 2008-07
    DTS: 2009-02
    TS: 2009-05

Other issues

Mr Haase gave a presentation of pre-paid issues at SG1 that will be used as input for the ToR for the PT that will look further into the issue.

Mr Foss also reported from the liaison meeting with WG8 being held the 2008-04-15. WG1 standards related to integrated payment were presented and WG8 presented new developments in Fare Management.

IPR and patents:

None to report.

**6.2 SG2 report**

Mr Jouen reported on the SG2 meeting held on 2008-04-15 (minutes in N1129).

14906 revision
Latest document: published 14906:2004.

SG2 has produced a draft CRR but there are still a few minor points open for debate. A new version of the CRR will be circulated by the SG2 convenor. This version also includes new informal comments received from Spain. There were also a presentation from Japan regarding license plates issues and vehicle classes in Japan. It is expected that a new draft of 14906 will be circulated before the Helsinki meeting.

Preliminary time schedule (EN/IS-track):
    CD: 2008-07

Conformance testing for 15509 – part 1/2
Latest drafts: N1031 and N1032.

A PT21 report was made for SG2 by Mr Caneschi (N1127). The work plan for Phase 1 has been distributed as N1119. A draft for Part 1 will be circulated by mid June.

PT21 signalled the following in its progress report (WG1 N1138) to WG1 "For Phase 2 of our work we would require the ability to use the TTCN tool. This however requires a licence, which costs a significant amount of money to obtain. This amount is sufficiently high to stop the PT21 to purchase such a licence. ETSI have such a licence but this would require setting up a special Task Force with ETSI and working at ETSI's HQ. As such activity was not planned in the original terms of reference this would incur extra costs for the PT experts."

It was agreed that PT21 (**action EHI/JFJ-67.4**) would investigate the following possibilities:
- − conditions for use of ETSI's TTCN SW tool;
- − conditions offered by TTCN SW tool providers (such as Telelogic or OpenTTCN) for (restricted) use of their TTCN SW tool for the preparation of Part 2;
- − co-operation and conditions to make use of a TTCN SW tool through organisations that are in possession of such a tool (e.g. Kapsch, Q-Free?).

It was noted that the issue is broader than only related to PT21:
- − CEN/TC278 would potentially face similar issues for envisaged upcoming PTs dealing with "part 2: Abstract test suite (based on TTCN)" of the conformity related tasks.
- − The encountered problem may indicate a lack of acceptance of or "user demand" for the envisaged "PT 21 Part 2 deliverable", which call for the use of a TTCN computer-aided tool.

The former of these two can probably be resolved in future calls and selection of PTs tasked with preparation of "Abstract test suites (based on TTCN). The latter issue is fundamental and of strategic importance and probably best handled on a TC level, noting that WG1 has explicitly drawn the attention to this issue in progress reports and when proposing the related work items.

Preliminary time schedule for Part 1 (EN-track):
    DIS: 2008-07

<u>Other issues</u>

ISO has launched the periodic review of 14907-1.

Regarding the new work in the 2007 ICT work programme Mr Jouen has provided input to the PTs terms of reference to TC278. This concerns the tasks for; Urban Requirements and First mount OBU.

<u>IPR and patents:</u>

None to report.

**6.3 SG5 report**

Mr. Catling reported from the SG5 meeting held on 2008-04-15 (minutes in N1130).

<u>17575 – GNSS/CN based AID</u>

The main item for was the report from PT20. A draft work plan was presented (N1125). This work plan was accepted by SG5, after a slight change in the deliverable schedule (due to a writing error).

There was a big discussion in SG5 on the general concept diagram for the service that also defines the scope for the standard. Shall the concept be based on an air interface, and organisational interface or a combination? Mr Catling pointed out that the work item description for 17575 indeed mentions an air interface. He awaits a further elaboration of the concept from PT20.

New drafts for parts 1-2 will be distributed to the WG by mid-June.

The relations of 17575 to the Info exchange standard also need to be sorted out. An action was agreed to present a solution for this at the next meeting (**action ICA/WBE/TFO/JEN-67.5**)

Time schedule (TS-track) for Parts 1&2 (phase 1):
    CD: 2008-10
    DTS: 2009-03
    TS: 2009-08

Provisional time schedule (TS-track) for Parts 3&4 (phase 2):
    CD: 2009-07
    DTS: 2010-02
    TS: 2010-07

<u>IPR and patents</u>

Mr Beier had provided an update of the IPR and patent issues in a set of slides (N1133).

Mr Engdahl also mentioned that he has been in contact with the TC204 secretary on news about IPR issues. The initial feedback from ISO CS seems to be to withdraw the standards that does not comply with ISO IPR policy. The TC secretary will follow up this issue and also note that there may indeed by prospects to obtain acceptable arrangements after negotiations, but such negotiations are outside the scope of the WG and its members (and also outside TC278 mandate according to CEN CMC).

<u>Other issues</u>

No actions needed for the moment. All three SG5 related issues in the 2007 ICT Work Programme are very important but require further progress on 17575 before they can be launched on a reasonable basis..

**6.4 Task Force report; Compliance Check Communication, CCC**

Mr. Enge reported from the CCC Task Force meeting held on 2008-04-16 (minutes in N1131).

<u>CCC standard</u>
Documents: NWI proposal: N1055. Draft standard: N1123.

A draft was presented at the meeting. There were minor comments on the actual contents but a debate on the CCC standards relations to EN ISO 14906. How to deal and refer to things that are defined in DSRC L7 and 14906? Does the CCC have to be an own new AID or can we merely refer to DSRC L7?

There was no final agreement on this issue in the Task Force. It was anyway recommended to forward the draft for TC-comments, not to lose time. There will be an intermediate TF-meeting in Vienna to tackle last minute changes and to provide editing and fill in the last bits. The aim is to have the draft out for TC-comments in early May (**action WBE/JHE-67.6**). Hence the time schedule can be kept.

The WG expressed its gratitude to the editors and the Task Force for their hard work in the drafting.

Time schedule retained (TS-track):
    CD: 2008-05
    DTS: 2008-10
    TS: 2009-01

A joint WI with ISO has also been proposed. This will be tabled for adoption at the TC204 meeting on Friday.

<u>IPR and patents:</u>

None to report.


## 7.        FUTURE EFC WORK ITEMS

ICT Work Programme

The WG convenor has made a recommendation to TC278 about priority of the 2007 ICT Work Programme issues based on the discussion on the last WG-meeting.

High Priority (to start now)
SG1:    Information flows
CCC:    Interoperable profile for Monitoring of enforcement transactions using DSRC (i.e. the CCC standard)
CCC:    Test standards for the CCC standard
CCC:    Interoperable profile (IAP) supporting OBU-localisation and augmentation using DSRC
CCC:    Test standards for the localisation support transaction
SG2:    Installation, personalisation and mounting of OBU
SG2:    Urban Road Using Charging requirements
SG1:    Pre-paid system requirements

Low Priority (may start later):
SG5:    Profiles for GNSS/CN applications (based on prCEN ISO/TS 17575)
SG5:    Conformance testing of prCEN ISO/TS 17575 requirements
SG5:    EFC related value added services

Mr Engdahl concluded that we have a lot digest here.

The 2008 ICT Work Programme is underway and a draft has been made by the EC. The EC might want to meet and discuss this. The ITSSG is most likely the relevant board for this. It was noted that initiatives in relation to m/338 are also handled by the ITSSG.

Other ideas

Mr Janusson proposed new work on for a trusted tamper proof secure module in the OBUs. He will outline the objectives, scope and contents for such work until the next meeting (**action for UJA-67.7**).

As noted under the SG1-report Mr Ohst will make an effort to sort out new ideas for security standards based on the German comments to 17574.


## 8.        CESARE-4

The project leader of CESARE-4, Mr Eriksröd, gave a presentation about CESARE-4 progress and relations to standards (N1134).

CESARE-4 provides the basic guidelines for the EETS. ACESAP and Stockholm Group members are the partners in the project. In addition they have an Advisory Forum that provides an EETS Provider perspective. The first part of the project is under tight time constraint and WP01 is to be completed in June 2008.

CESARE-4 will not do input to standards, but notes that well designed standards are a key element for functioning EETS. A liaison with standardisation bodies is clearly needed.

A survey in the Advisory Forum gives preliminary results that have a bearing on standards. Among the results of the survey it may be noted that:
−   Data exchange, contracts, certification, security, OBU are key elements they want for standards.

- If no standards are available this means; complexity, higher costs and that "Interoperability remains on paper".
- There is a risk that we standardise interfaces that "doesn't fit business needs".

It was agreed to formalise the liaison between WG1 and CESARE-4 with Mr Foss as the "liaison officer". Documents and other requests might also be relayed with the WG convenor and secretary.


## 9.        RCI

The project leader of RCI, Mr Kerstjens, gave a presentation about RCI progress. (N1135).

RCi has now been testing the prototypes in different environments. There are test sites in France, Swiss, Spain, Austria, Italy (EG11), Germany and also 2 trucks that for 2 weeks travelled in Europe maximising the number of cross-border passages.

RCI demonstrates the use of CEN standards in their prototype and it works. In particular EN 15509 has been tested. Also the RCI architecture has been taken into account in CEN standards. Toll Context data from LSVA and TollCollect are specified and can be forwarded to the information flows work. Service monitoring and certification definitions are expected in May. All open deliverables will be forwarded to WG1.

There is an open validation workshop being held in 30 May in Brussels. WG1 are welcome to participate. Invitation and information will be relayed to WG (**action OKE/JHE-67.8**).


## 10.        LIAISONS

Liaisons in addition to what was being reported above:

EU EFC-Directive
Mr Hedin gave a short report from the Electronic Toll Committee meeting held at 14 March 2008 in Brussels (minutes in TC278 N2008). At the meeting a presentation and update of standards in relation to the EETS was given by Mr Hedin. In the discussions it was concluded that:
- Standardisation might not meet the EETS tight time expectations in all areas. Representatives of WG1 and the EC should sort out details on timing.
- Mandate m/338 (and the associated report) will not be enough for providing standards support for the EETS. The m/338 work needs to be updated to reflect EEETS changes in approach and architecture.
- The RCI architecture is taken into account in WG1-standards.
- The EC is the owner of the EETS service – CEN cannot make standards unless the EC defines the service and business model first.
- The new ICT Work might provide new standards for supporting the EETS. Draft EC ITS action plan in TC278 document N2006.

Overall there is a great interest in the work of standards in CEN and WG1.

The Hedin also noted that ITSSG meets on 2 June in Brussels. This meeting will be complemented with a meeting between the ESOs and Commission representatives.


## 11.        ANY OTHER BUSINESS

Mr Engdahl closed the meeting.

**Pending action points**

Pending action points from WG1's 67<sup>th</sup> meeting.

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|---|---|
| DMK-64.7 | Provide a paper of urban RUC requirements done by the UK for circulation in the WG. |
| All-66.5 | Provide early national comments on 17573 informally to SG1 well in advance of the Helsinki meeting in June 2008. |
| JHE/WBE-67.1 | Make the necessary practical arrangements to start the new SG6. |
| REN/JFJ-67.2 | Investigate whether DIN and AFNOR need the draft 17573 to be translated into German and French, respectively. |
| DOH-67.3 | Provide input on new work on security and make proposals for a possible NWI. |
| EHI/JFJ-67.4 | Investigate the different possibilities related to PT21 access to TTCN software tools: |
| ICA/WBE/TFO/JEN-67.5 | Sort out the relations of 17575 to the Info Flows standard regarding overlap in scope. |
| WBE/JHE-67.6 | Forward the draft CCC standard for TC-comments in early May. |
| UJA-67.7 | Outline the objectives, scope and contents for a proposed new work on for a trusted tamper proof secure module in the OBUs. |
| OKE/JHE-67.8 | RCI validation workshop invitation and related RCI-documents to be relayed to WG. |