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**TC 278 Road Transport and Traffic Telematics**

**N2040**

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**Minutes of the 68<sup>th</sup> meeting of CEN/TC278/WG1 (and ISO/TC204/WG5) held in Helsinki on 2008-06-26**

Present: Appel, Beier, Caneschi, Catling, Engdahl (chairman), Enge, Erker, Foss, Grush, Haase, Hayakawa, Hedin (secretary), Janusson, Jouen, Karessuo, Kersten, Kurano, Leist, Mackinnon, Marc, Oehry, Rafols, Richter, Roivainen, Russel, Tjink and Vis.

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**1. OPENING AND WELCOME**

The convenor, Mr. Engdahl, welcomed the members and opened the 68<sup>th</sup> WG1 meeting. He expressed special thanks from the working group to the Ministry of Transport and Communications for the meeting facilities, to Mr. Kristian Appel for organising the meeting, to Mr. Tuomo Roivainen and his company Semel Oy for arranging and sponsoring the excellent social event.

Ms Silja Ruokola, head of International Affairs at the Ministry of Transport and Communications, greeted welcome on behalf of the Ministry.

A special welcome was extended to new members and guests:

- Mr. Klaus Richter of UTA a Credit Card Company that is preparing to become an EETS service provider. He takes part as a guest for this meeting.
- Mr. Kari Karessuo, of the Finnish Road Administration, also takes part as a guest.

The secretary noticed apologies for absence received from members: Birle, Carlsson, Haderer, Kang, Kollenhofer, Kudoh, Louro, Noguschi, Ohst, Olsson and Philipp.

**2. AGENDA**

The proposed agenda was adopted.

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

The draft minutes of the previous meeting (N1132) were approved without any changes.

The status of the action points from WG1's 67<sup>th</sup> 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; An input paper has been circulated within SG2. Mr. Mackinnon will forward the paper to WG secretary for distribution within the WG.   |
| All-66.5             | Provide early national comments on 17573 informally to SG1 well in advance of the Helsinki meeting in June 2008. This is pending due to the delay in the launching of the parallel enquiry. The action remains for the October meeting.  |
| JHE/WBE-67.1         | Make the necessary practical arrangements to start the new SG6. Done. A new SG6 mailing list has been started.   |
| REN/JFJ-67.2         | Investigate whether DIN and AFNOR need the draft 17573 to be translated into German and French, respectively. Done. Mr Enge and Mr Jouen will try to organise written statements from DIN and AFNOR that can be relayed to CEN in order to avoid further unnecessary delays in the preparation of the launching of the parallel enquiry. |
| DOH-67.3             | Provide input on new work on security and make proposals for a possible NWI. Pending.  |
| EHI/JFJ-67.4         | Investigate the different possibilities related to PT21 access to TTCN software tools. Partly (see SG2 report).  |
| ICA/WBE/TFO/JEN-67.5 | Sort out the relations of 17575 to the Info Flows standard regarding overlap in scope. Done. 17575 defines the charging related data and Toll context data, the Info Flows standard uses these inputs and complements with hot lists etc.  |

- WBE/JHE-67.6 Forward the draft CCC standard for TC-comments in early May. Done (see TC278 document N2016).
- 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. Done (this was distributed in SG5, see SG5 report below and slides in N1166).
- OKE/JHE-67.8 RCI validation workshop invitation and related RCI-documents to be relayed to WG. Done. It was agreed to have the final RCI reports distributed in the WG when available. Mr Catling added that we should distribute the RCI Validation Paper in the WG (**action ICA/JHE-68.1**). SGs are instructed to take the RCI paper as well as the CESARE-4 paper (N1153) into account.

#### 4. NEXT MEETINGS AND INTERNAL ADMINISTRATION

##### Next meetings

Mr Foss noted uncertainties in planning for the January 2009 meeting in Norway, so it was agreed to move this provisionally to Barcelona, following a kind offer from Mr Rafols. Norway remains an option for later in 2009.

The spring 2009 meeting was initially planned to be held in conjunction with the TC204 meeting. However, this is scheduled too late, as we need to have a WG1 meeting in April. We have noted offers to have meetings in South Korea and in Japan, but it was considered premature to have them already in April 2009. Later during 2009 might be an option to be considered among the members of WG1. It was noted that non-Europe WG meetings in conjunction with TC204 meetings are advantageous for members participating in both meetings, and hence should be considered in the planning of the WG meetings.

The WG agreed to seek to have a meeting in Ireland on 22-23 April. Mr Russel will check up this possibility (**action PRU-68.2**).

The next meetings are scheduled as follows.

Dates	Venue	Organiser
8-9 October 2008	Paris	Jouen
28-29 January 2009	Barcelona	Rafols (tbc)
22-23 April 2009	Ireland (tbc)	

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

8 October	08:30 – 18:00	SG-meetings
9 October	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.

##### Administrative issues

Mr Hedin reminded of the use of the Word templates for drafting standards, as there have been problems for some of our newly drafted standards. He will re-distribute the STD-package again (N842 rev2). Mr Engdahl recommended SG convenors and editors to invest some minutes in reading the manual for how to use the template prior to using it (e.g. only use the styles defined in the template). He also reminded about the requirements for figures in standards. Editors will take action to store figures separately in the correct format (JPG or TIF).

Mr Hedin gave an update of the situation of our mailing-lists, noting that he does not administer the lists, as this is done by the University of Aachen. The new SG6 mailing-list has been set up. Members are asked to make a note on the attendance sheet if they wish to change their membership of lists.

#### 5. FEEDBACK FROM CEN/TC278 AND ISO/TC204

### Progress of standards, voting, etc.

An ISO unilateral systematic review has been launched for TS 14907-1, "Test procedures user and fixed equipment - Part 1: description of test procedures", and voting was closed 2008-06-15. This will be tabled at SG2 at the next meeting.

ISO CEN TS 25110 is now being launched for parallel formal vote with the estimated voting opening date 2008-07-10, and closing 3 months later.

ISO CEN EN 17573 is delayed by the preparation of the parallel enquiry. The delay was initially due to translation and now editorial corrections are being done. Hopefully it will be launched in July.

prCEN ISO TS 12813 (Compliance Checking) is out for TC-review in CEN (deadline 21 August) and for CD-ballot (comments only) in ISO (deadline 23 August).

prCEN ISO TS 12855 (Information exchange between service provision and toll charging), is now a PWI in ISO. It was originally adopted by TC204 as an NP but subsequently only registered as a PWI as ISO procedures for adoption of WI have been amended.

### CEN/TC278

There has been no TC278 meeting since the last WG1 meeting.

Mr Engdahl gave an update of recent progress and results of the meeting:

- The DSRC suite is out for systematic review (TC278 docs; N2010-13)
- A new ICT Work programme for 2008 has been drafted by the EC. It does not include any substantial parts of EFC.

Mr Engdahl and Mr Hedin reported on the progress of WG1 related Project Teams.

- The calls for PT22 and PT23 are now closed. CCC and Localisation was combined as they are closely related and the CCC work item is already at an advance stage.
- The calls for PT24-27 and PT32 will be closed on 1<sup>st</sup> July.
- Selection will take place very soon. The evaluation committee consists of:
  - o The Chair of CEN/TC 278
  - o The convener of CEN/TC 278/WG1 (the secretary stands in for Mr Engdahl, in order to avoid any potential conflict of interests). Will not evaluate PT32.
  - o The secretary of CEN/TC 278
  - o A representative from the CEN Central Management Centre
- The remaining three PTs will be started later as they require progression on the 17575-suite.

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).

### ISO/TC204

The last TC204 meeting was held in Munich on 17-18 April 2008. Meeting resolutions are found in TC204 N2248. The WG1 convener's written report including recommendations to TC204 was submitted as N1124 rev1.

Mr Engdahl reported on recent progress and issues:

- There was a decision to reinstate the 17575 joint work item (under CEN lead) and to split it into the 4 parts.
- A new Business Plan for TC204 is underway. Some WG5 related issues have been corrected and the updated plan should be approved by now.

The next TC204 meetings are scheduled for Ottawa, Canada, 10-14 November 2008 and for Thailand, Asia, 11-15 May 2009 (tbc).

## 6. SUBGROUP REPORTS

### 6.1 SG1 report

Mr Foss reported on the SG1 meeting held 2008-06-25 (minutes in N1160).

#### EN ISO 17573 – EFC-Architecture (revision)

Latest draft: N930 rev15, 2008-02 (the TC version being sent for parallel CEN-Enquiry and CD ballot (comments only) is slightly edited).

Due to the delay caused in the preparation of the parallel enquiry, Mr Foss noted an expected delay of 3 months for the standard.

The time schedule is amended accordingly (EN/IS-track):

DIS: 2008-07  
FDIS: 2009-02  
IS: 2009-06

#### TS 17574 – Security Profiles (revision)

Latest draft: N1149.

Changes in the draft (N1149) have been done according to the CRR (N1148). The standard is recommended to remain as a TS for the next 3 years with the proposed changes. SG1 now deems this ready for parallel TC-review and CD-ballot (comments only). The WG agreed to send it for parallel TC-comments as soon as the last editorial changes have been made (**action TFO/JHE-68.3**).

Time schedule contained (TS-track):

CD: 2008-07  
DTS: 2009-02  
TS: 2009-05

#### EN 12855 - Information exchange between service provision and toll charging

Document: N965 rev5, 2008-06.

SG1 discussed a more detailed draft that will serve as the basis for PT24. This draft includes a ToC with a comprehensive synopsis and uses a top-down approach with five main functions. The work will have to review data from 14906, 17575 etc.

It was agreed that Mr. Foss will assist in the drafting of the ISO work item proposal in order to transform the PWI into an NP (**action TFO/JEN-68.4**).

The time schedule was retained but will rely on the PT24-work schedule (EN/IS track):

CD: 2009-01  
DIS: 2009-07  
FDIS: 2010-01

#### Other issues

The work of PT25 on pre payment was discussed based on a presentation by Mr Haase (N1165). A draft ToC for the report is included in this input.

It was noted that the Mr Foss, with assistance from Mr Haase, should draft work items descriptions (**action TFO/MHA-68.5**). The WG convenor is mandated to forward these to the TC, when he deems that they reflect the position of the working group.

IPR and patents:

None. Mr Engdahl reminded SG1 to table these issues for the next meeting (as in all sub-groups).

**6.2 SG2 report**

Mr Jouen reported on the SG2 meeting held 2008-06-25 (minutes in N1161).

EN 14906 (revision)

Latest draft: N1155, 2008:06.

The comments are summarised in a CRR (N1154) and a new draft has been edited based on agreed changes (N1155), although the document need to be amended for correct figure formatting. SG2 proposes to proceed directly to CEN-Enquiry / DIS-ballot to speed up the process. It was agreed to prepare it for CEN-Enquiry / DIS-ballot after some editorial changes (**action JFJ/JHE-68.6**).

The time schedule was amended to reflect the change in stages (EN/IS-track):

DIS: 2008-07

Conformance testing for 15509 – part 1/2

Latest drafts: N1031 rev1 and N1032.

A new draft of Part1 (N1031 rev1) has been prepared by PT21 and was distributed to the WG just before our meeting. Some editing was agreed by SG2. It was agreed to send it out for CEN Enquiry / DIS-ballot after the final editorial changes in the document (**action JFJ/JHE-68.7**). The WG's appreciation for PT21's progression on part 1 was recorded.

For Part-2 the issue of using a TTCN tool is partly solved in the sense that a member of PT21 has access to the tool through Kapsch. PT21 reported that the use of ETSI's tool is only possible for ETSI registered WIs. PT21 initial investigation into the possibilities and conditions offered by TTCN software tool providers (such as Telelogic or OpenTTCN) for restricted use of their TTCN software tool for the preparation of Part 2 has so far not proven successful but is being pursued.

A draft work plan for phase 2 is scheduled for mid of August.

Time schedule for Part 1 retained (EN/IS-track):

DIS: 2008-07

Other issues

The revision of TS 14907-1 is pending as WG1/SG2 has not access to the systematic review comments yet.

PT26 on "mounting of OBU" and PT27 on "urban road user charging requirements" require adoption of corresponding work items. The SG2 convenor will prepare such work items (**action JFJ-68.8 and JFJ-68.9**). The WG convenor is mandated to forward these to the TC.

IPR and patents:

None. Mr. Beier informed that he had come across new potentially DSRC relevant patents in his monitoring of the EFC patents. It was agreed that Mr. Beier would point these out to SG2, which will table those on its next meeting (**action WBE/JFJ-68.10**).

### 6.3 SG5 report

Mr Catling reported on the SG5 meeting held 2008-06-25 (minutes in N1162).

#### TS 17575 – GNSS/CN based AID

Latest drafts; N1151 and N1152.

The main item for the meeting was the report from PT20 (N1159). There were also an introductory section for the four parts sent out in early May (N1168), and two drafts for parts 1/2 distributed before the meeting (N1151, N1152). Discussion in SG5 showed a high level of consensus on the text in these drafts, with a possible exception from the Netherlands (will be looked into by Mr Vis). A number of minor changes were agreed.

Mr Catling summarised that PT20 is on course and we should have complete drafts of 17575-1/2 available two weeks in advance of the October WG1/SG5 meetings. He also added that initial thoughts on Part 3 would be presented at the October meeting too.

Time scales remain the same, but Mr Engdahl added that the EC will ask us for possible short cuts.

SG5 also proposed a change in the title of 17575. The WG agreed to propose the following new title for approval by the TCs: "RTTT – EFC – Application Interface Definition for Autonomous Systems" (**action JEN-68.11**).

Time schedule (TS-track) for Parts 1&2 (PT20 phase 1):

CD: 2008-10  
DTS: 2009-03  
TS: 2009-08

Provisional time schedule (TS-track) for Parts 3&4 (PT20 phase 2):

CD: 2009-07  
DTS: 2010-02  
TS: 2010-07

#### Other issues

There was a discussion on the ideas from Mr Janusson on a trusted recorder (see report under Item 7 below).

#### IPR and patents:

Mr Beier had done an update of the patent slides (sent to SG5). The patent report should be sent to WG secretary for WG distribution (**action WBE/JHE-68.12**). Mr Beier kindly offered to assist the other SGs in pointing out new patents that potentially could be relevant for their on-going work.

### 6.4 SG6 report

Mr Beier reported on the SG6 meeting held 2008-06-26 (minutes in N1163).

#### TS 12813- Compliance check communication

Latest draft: N1123 rev2, 2008-05.

It was noted that the standard is under TC-comments with a deadline in August so no progress can be reported. SG5 also proposed a change in the title of 12813. The WG agreed to propose the following new title for approval by the TCs: "RTTT – EFC – Compliance check communication for autonomous systems" (**action JEN-68.13**).

Time schedule retained (TS-track):

CD: 2008-05  
DTS: 2008-10

TS: 2009-01

#### Other issues

The new issue of localisation augmentation was discussed using some draft ideas presented by Mr Beier. Work item descriptions are needed for this task as well as for the two test standards. Mr Beier will provide draft new work proposals for Localisation (**action WBE-68.14**) and for the two test standards (**action WBE-68.15**). These are to be discussed at the October meeting for WG approval and forwarding to the TC. Members are also encouraged to reflect on if there is also a need to make these work items in ISO too.

PT23 support was discussed noting that the task and methodology is very much the same as for PT21. Access to a TTCN tool is necessary for part 2 of these standards.

#### IPR and patents:

None (see SG5 report).

## **7. FUTURE EFC WORK ITEMS**

#### ICT Work Programme 2008

The draft ICT Work Programme for 2008 has been discussed in the ITSSG. There are not substantial specific EFC contents of the programme. The WG agreed not to submit an application in response to this programme, as we already have an ambitious on-going work programme and PTs to support the drafting of standards.

#### Other issues

Mr Catling summarised a proposal from Mr Janusson at SG5 on a new idea of a "Trusted Recorder" for security and checking in autonomous systems (see slides in N1166). The SG5 reaction was a bit reluctant as suppliers often already have their own security measures. As this is a suggestion originated from EG12 and the EETS work he added that it might be more feasible for the EC to take up. Mr Foss noted he wants an approach that is more top-down oriented and linked to the security profiles and EFC-architecture. It was generally agreed that the approaches are complementary. It was noted that Mr. Ohst's forthcoming input on security in SG1 could be potentially take a top-down oriented approach.

The WG agreed that Mr Janusson should prepare the item for Pre-adoption of a potential New Work Item (**action UJA-68.16**). The ambition is to gain clarity on the scope and rationale and to decide how to progress it. Mr Engdahl will also share our current thinking on this item with the EC when meeting with them.

## **8. STATE OF AFFAIRS FOR ROAD USER CHARGING IN FINLAND**

Mr Tuomo Suvanto, of the Ministry of Transport and Communications in Finland, gave a presentation about the state-of-affairs of EFC in Finland (N1167). Finland has a new government now, and RUC is on the agenda. HGV taxes are to be studied as well as congestion charging in the Helsinki region.

## **9. LIAISONS**

Liaisons were reported in addition to what was being noted above:

#### Public Transport (CEN/TC278/WG3/SG5 & ISO/TC204 WG8)

No news since the Munich meeting.

#### DRSC (WG9)



Systematic Review of the DSRC-suite is ongoing. A special TC278-meeting will be called to resolve the comments.

#### Architecture (CEN/TC278/WG13 & ISO/TC204 WG1)

Mr Bob Williams has published a book on ITS Architectures.

#### CEN/TC224 WG11

None. WG1 seeks more information about the revision of the EFC chip card standards.

#### ETSI

Mr Engdahl reported that the new chairman of the ETSI's TC on ITS, Mr Hess, gave an overview of activities at the last TC278-meeting. It is unclear what is meant with "user requirements and applications" relating to the new TC's scope and how this relates to the European Standardisation Organisations' agreement on RTTT related standards. The WG convenor will seek for clarification at the next TC278 meeting. Mr. Caneschi highlighted that new TC programme of work and organisation are being adjusted; ETSI's WG1 now seems to be called "Application requirements and services" and WG2 "Architecture" etc.

#### EU EFC-Directive, Comité Télépage

Mr Hedin gave a short report from the Electronic Toll Committee meeting held at 27 May 2008 in Brussels. At the meeting there was a presentation and update of standards in relation to the EETS given by Mr Hedin. In relation to the presentation it was concluded that:

- The time line of standard reported by CEN. Standardisation might not meet the EETS tight time expectations in all areas.
- The RCI architecture is taken into account in WG1-standards. CEN will support the EETS interfaces, but will not supply a 100% ready-to-use solution.
- The EC is the owner of the EETS service. CEN cannot make standards unless the EC defines the service and business model first. This is needed in some detail before we can make concrete standards.
- New Project Teams are started (using funding from the EC).

Overall there is a great interest in the work of standards in CEN and WG1. The next ETC meeting is held at 8 July. CEN and WG1 are invited to make a report.

Mr Appel added that the EETS is further delayed, and that the EC wants a decision to be made at the latest next summer (2009).

#### ICTSB/ITSSG

Mr Hedin gave a short report from the ICTSB/ITSSG meeting held on 2 June and the subsequent meeting with the EC. The main EFC-related topic was the status of m/338. CEN (and WG1) has concluded that the m/338 report is still largely valid for EETS-support, but that the EETS architecture and business model has changed since the report was delivered (in December 2005). CEN also seeks the position of the EC on the proposed recommendations and Work Programme. It was agreed that the m/338 report should not be revised but that the EC and CEN-representatives shall sort out what needs to be done in more informal meetings (WG1 experts should take part).

#### RCI

Mr Catling reported from the RCI validation workshop being held at 30 May in Brussels. The RCI-project so far was presented, including its field trials. They will now prepare the final reports of the project. Comments are welcome from WG1 members. Documents will be sent out to the WG and SGs are asked to assess RCI suggestions.

#### CESARE-4

A report from CESARE-4 was distributed in WG1 (N1153).

Mr Foss reported that the project is close to finalise WP1 and that WP2 is underway.

## **11. ANY OTHER BUSINESS**

No other business. Mr Engdahl closed the meeting.

### Pending action points

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

- 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 Paris meeting in October 2008.
- DOH-67.3 Provide input on new work on security and make proposals for a possible NWI.
- EHI/JFJ-67.4 It was agreed that PT21 would investigate the following possibilities:  
– conditions offered by TTCN SW tool providers 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.
- ICA/JHE-68.1 Distribute the RCI Validation Paper in the WG.
- PRU-68.2 Explore the possibility to have a WG1 meeting in Ireland on 22-23 April 2009.
- TFO/JHE-68.3 Send prTS 17574 out for TC-comments.
- TFO/JEN-68.4 Draft and submit ISO work item proposal in order to transform PWI 12855 into an NP
- TFO/MHA-68.5 Draft work item description for the Pre-payment work relating to PT25.
- JFJ/JHE-68.6 Send prEN 14906 out for CEN-Enquiry / DIS-ballot.
- JFJ/JHE-68.7 Send the Test standards for 15509 out for CEN-Enquiry / DIS-ballot (from PT21).
- JFJ-68.8 Draft work item description for the First mount OBU work relating to PT26.
- JFJ-68.9 Draft work item description for the Urban Requirements work relating to PT27.
- WBE/JFJ-68.10 Mr. Beier will point out relevant patents to SG2, which will table these on its next meeting.
- JEN-68.11 Propose the following new title for 17575 for approval by the TCs: "RTTT – EFC – Application Interface Definition for Autonomous Systems".
- WBE/JHE-68.12 Circulate updated patent report within the WG via the secretary.
- JEN-68.13 Propose the following new title for 12813 for approval by the TCs: "RTTT – EFC – Compliance check communication for autonomous systems".
- WBE-68.14 Draft work item description for the Localisation Augmentation work relating to PT22.
- WBE-68.15 Draft work item descriptions for the Test Standards relating to PT23.
- UJA-68.16 Mr Janusson will prepare "Trusted recorder" for Pre-adoption of a potential New Work Item for approval by TC278.