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TC 278 Road Transport and Traffic Telematics

N1845

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Minutes of the 59th meeting of CEN/TC278/WG1 (and ISO/TC204/WG5) held in Lisbon on 2006-04-07

Present: Beier, Caneschi, Catling, Engdahl (chairman), Enge, Foss, Hayakawa, Hedin (secretary), Jouen, Kudoh, Leist, Lotz, Louro, Mackinnon, Martinez, Mulligan, Mühlethaler, Noguchi, Philipp, Rafols and Vis.
Notice for absence: Benz, Bidaud, Birle, Carlsson, Choi, Erker, Flick, Karlsson, Pettersson, Roux and Svitek.

1. OPENING AND WELCOME

The convenor, Mr. Engdahl, opened and welcomed the members to the 59th WG1 meeting. Mr. Engdahl thanked the host, Via Verde, for organising the meeting facilities, the control centre visit and the social event.

A special welcome was extended to the new members and guests; Mr. José Louro, works for Aenor and also represents ASCAS; a newly formed highway association in Portugal. He recently became a full member of WG1. Mr. Nelio Marques from Via Verde Portugal takes part as a guest and may become a member of the group. Mr. Yoshifumi Hayakawa is from Mitsubishi Heavy Industries in Japan. He is a guest and may become a member in the future.

The secretary noticed apologies for absence received from: Benz, Bidaud, Birle, Carlsson, Choi, Erker, Flick, Karlsson, Pettersson, Roux and Svitek.

2. AGENDA

The proposed agenda was adopted with the following changes:

- Point 8; the Portuguese presentation is deleted as it was held the day before at the control centre demonstration.
- Point 9; a brief presentation of the latest development of EFC in Japan was added after the Spanish presentation.

3. MINUTES OF THE PREVIOUS MEETING AND ACTION POINTS

The draft minutes of the previous meeting (N941) were approved without any changes.

The status of the action points from WG1's 58th meeting was reported.

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|----------------------|--|
| TFO-55.3 | Make an inception draft of the Information Flows standard. Done, by Mr Caneschi and presented at SG2 (N965). |
| ICA-56.7 | Make a comment resolution report for the 17575 TC-comments. Pending. |
| ICA-56.8 | Review timetable for 17575. Done. This was discussed under the SG5 report (see 6.3 below). |
| JFJ-56.10 | SG2 to assess the patents listed in N900. Done. This was discussed at SG2 (see SG2 report below). |
| WBE/DMK-56.11 | UK and Germany input to the CAN-bus paper provided by Mr. Benz (N902). Germany has provided comments (N952) by Mr Beier. UK comments are still pending. |
| SBE-56.12 | Revise the CAN-bus paper accordingly (N902). Pending. |
| JEN/TFO/JFJ/ICA-57.2 | Provide promotion material, success stories, for TC-promotion activities. Done (see documents N953 and N954). The convenor noted that these documents might be updated; comments and inputs from all members are welcome at any time (to the convenor who keeps the master files). Updated documents will be distributed to the members regularly. |
| JEN-57.6 | Letter to the TC204 secretary on IPR issues in 17575. Pending (see SG5 report below). |
| ICA-57.7 | Letter to WG-members on IPR-issues in 17575. Pending (see SG5 report below). |
| JEN-57.8 | Inform TC204 secretary and request to take the necessary action to ask "Highway Master" for a statement on negotiation of worldwide licences. Pending (see SG5 report below). |
| JEN/TFO-58.1 | Invite ISO public transport experts to attend our Stockholm meeting in June for further exchange. Pending. |

TFO/JEN-58.2	Organise a joint session with ISO/TC204/WG8 in conjunction with the Cape Town meeting. Pending.
FCA-58.3	Make a new inception draft of 17573 to be attached to the NWI. Done (N930 rev1).
TFO/JEN-58.4	Make a NWI description for the revision of 17573 together with a note to be forwarded to the TC. Done (N929 rev1).
JHE-58.5	Make a new version of the IAP-standard and send it to the TC for CEN-enquiry. Done (N869 rev 8).
ICA-58.6	Forward final EG9 report to the WG if allowed to by the EU-Commission. Done. Mr Catling reported it has been sent to SG5. The secretary will distribute it to WG1 noting that is it only "for internal use" in the WG.
JFJ-58.7	Make a presentation of the EC project on the universal OBU at the June WG1 meeting. Pending.
MMA-58.8	Give a presentation on South American EFC-developments the April WG1-meeting. Done (slides in document N964).

4. NEXT MEETINGS AND INTERNAL ADMINISTRATION

Next meetings

The next meetings are scheduled as follows.

Dates	Venue	Organiser
29-30 June 2006	Stockholm	U. Karlsson
3-4 October 2006	Cape Town	Engdahl/Hedin (prel.)
25-26 January 2007	London	Mackinnon

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

Day 1	08:30 – 11:30	SG1 meeting.
	11:30 – 18:00	SG2 meeting
	11:30 – 18:00	SG5 meeting
Day 2	09:00 – 15:00	WG1 plenary meeting

After request from SG1 there may also be additional Task Force meetings taking place before or after the timing set out above.

It was noted that we will organise a joint session with public transport standardisation experts (i.e. CEN/TC278/WG3 and ISO/TC204/WG8) at the WG1 meeting in Cape Town.

The WG discussed the timing of the WG1 plenary meeting and agreed to stick with the "normal" plenary time schedule, i.e. 0900-1500 with a break for lunch.

Administration

The secretary recalled the timing for meeting documents being used in WG1:

- Invitations and WG agenda is to be sent out at least **6 weeks** before the meeting.
- SG agendas are to be sent out at least **2 weeks** before the meeting.
- Key documents (that need careful reading by members) are to be sent out at least **2 weeks** before the meeting.

The convenor asked for comments on the TC-LiveLink service. It was noted that it feels to complex to use for the time being. The secretary added that the long-term plan is to move the WG1 LiveLink to CEN (currently being hosted by SIS), but that we intend to keep the Push service (distribution also by e-mail). The secretary will monitor this development (**action JHE-59.1**).

The secretary noted that the WG is starting work on some new work items. He therefore recalled the editing rules for standards in order to allow for an effective development of the standards

- The CEN and ISO regulations are the same and can be found in (N825).
- There is a Word template for standards being available from BOSS/CEN (and as N842).
- Picture requirements are: TIF or JPG format. The graphical source files (e.g. CorelDraw or Visio) shall be delivered to the WG secretary for storage in the WG archive
- The TC Secretary explained in an e-mail the requirements for figures in CEN / ISO standards as follows:
 - o "Please refrain from using text boxes and from "building" figures from text elements, boxes, frames, etc. It is better to draw a figure outside Word, convert it to JPG or TIFF and incorporate a link in the text.
 - o 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.
 - o It is 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-"

The secretary also explained that he is not allowed to distribute published standards to members. They have to be purchased from the national standardisation bodies (or directly from ISO or CEN).

5. FEEDBACK FROM CEN/TC278 AND ISO/TC204

Progress of standards, voting, etc.

The IAP-standard will soon be out for CEN-enquiry (expected to start at 2006-04-14) for five months.

The EFC-System architecture, 17573, work item has been activated (see TC278 resolution 5 in TC278/N1834, including target dates).

CEN/TC278

The last TC278 meeting was held in Seville, Spain, on 23-24 March. Mr Engdahl reported:

- The big item at the TC-meeting was the mandate 338 report (see TC278 resolution 2 in TC278/N1834). The WG1 Convenor/Secretary input (N950) was largely adopted at the TC. The TC chair will draft a more concise position paper. It is also noted that the TC specifically points at the need for a mechanism for standards involvement in the EFC-work of the EC.
- The PR-kit for TC278 was discussed (WG1 input as N953-4).
- The issue of non-metallised windscreen was discussed. It was agreed to ask ERTICO for permission to publish their report as a TR/TS, and encourage ISO/TC22 to adopt a new work item on this subject.
- There was also a discussion on time constraints for work items as these are getting more fixed and constrained. The project leaders / editors are encouraged to be pro-active with the WG convenor and the TC secretary to ensure that their deliverables progress without delay through the commenting, voting and publication stages (see TC278 resolution 17 in N1834).

The next TC278 meetings are scheduled for 21-22 September 2006 (Budapest, Hungary) and 22-23 March 2007 (no location decided yet).

ISO/TC204

The Convenor noted that TC204 has transferred the lead for the parallel work item on CEN ISO / TS 17575 to CEN at its most recent meeting. The reason for this was to facilitate European Project Team funding. The Convenor specifically thanked the Japanese delegation for their support in making the transition smooth.

The TC204 secretariat has pre-announced that the TC secretariat will soon be transferred from ITS America to ANSI.

There has not been any TC204 meeting since the last WG1 meeting.

The next TC204 meetings are scheduled for 24-28 April 2006 (Pusan, Korea) and 2-6 October 2006 (Cape Town, South Africa).

6. SUBGROUP REPORTS

6.1 SG1 report

Mr Foss reported on the SG1 meeting held 2006-04-06 (minutes in N958).

EFC-Architecture (17573)

The TC has now activated the full work item for 17575. According to the time schedule a first draft has to be circulated for comments/information (stage code 20.60) at the TC by September 2006, and for CEN enquiry by March 2007.

The working principles for the draft standard were discussed in SG1. It was agreed to keep SG1 meetings quite short and to do the actual work as homework and, possibly, in Task Force meetings. The possibility to have a Task Force meeting the day before the next SG1-meeting was proposed at SG1. All work shall end up in one document (current draft in N930). The editor is, as before, Mr Caneschi. Mr Foss noted that he needs assistance from all of SG1 to do this work.

There was also a discussion in SG1 on roles and responsibilities for the model that has been copied from CESARE-3. Unfortunately SG1 did not have time to discuss the terminology document provided by Jan Vis in any detail. It was noted that all SGs should have a look at this input.

Information flows

An inception draft for the Information flows standard has been prepared, by Mr Caneschi, and distributed to the SG. There was a brief discussion in SG1 on this and it was noted that there might be some overlap between the architecture and info flows that needs to be sorted out.

The plan is to have a full work item proposal ready by mid August 2006, accompanied with a revised working draft document.

Other issues.

Public transport experts will be invited for the June meeting in Stockholm. They may attend the SG1 meeting and Mr Foss is to explore to set up a separate meeting on the afternoon in parallel with SG2 and SG5. Both the draft standards above may be relevant to them.

6.2 SG2 report

Mr. Jouen reported on the SG2 meeting held on 2006-04-07 (minutes in N959).

IAP-DSRC standard (prEN 00278187)

A new draft was made and sent out shortly after our last WG-meeting in January (latest version is N859 Rev 8). This is soon expected to be out for CEN-enquiry (expected to commence on 2006-04-14). WG1 expects to discuss comments at the SG2 meeting in October in Cape Town.

The discussion on Access Credentials continued in SG2 was based on a paper from Mr Mackinnon and Mr Smith. There was also relevant input from Mr Rafols outlining the Spanish views on the issue. SG2 will amend the paper after

the comment received (**action DMK-59.2**). The intention is to have a finalised discussion paper out quite soon that may be used as input for the corresponding EC-work (including the new EG12 aiming at security issues). It is noted that no SG2/WG1 position is taken yet on the issue and that it will be discussed again at SG2 in Stockholm.

SG2 will also contact Mr Hamet and try to liaise with the upcoming EG12 and offer any relevant expert to attend the Stockholm meeting (**action JFJ-59.3**).

Conformance testing for the IAP-DSRC

SG2 proposes to split the standard into two parts

- Part 1: Test Suite Structure and Test Purposes
- Part 2: Abstract test suite

This is to be confirmed at the June meeting. It was noted that the splitting of the standard into two parts formally requires adoption of two separate WIs.

As for progress on the project team funding; there is a request for funding with two deliverables being processed by the TC.

Mr Mulligan gave a brief overview of the status of the ETSI work on test specifications for L2 and L7 (see N957). A number of draft documents have been distributed to WG1 (N934-7 and N956). Members and other experts are welcome to comment directly to ETSI on these. Currently; ETSI TS 102 486-1-1 and ETSI TS 102 486-2-1.

On-board account interface definition

Mr. Nogushi made a presentation at SG2 for a new draft of the standard (N898 rev017). SG2 had a discussion of the scope for the standard, in particular in relation to the ICC standards (being related to the scope of WG11).

SG2 aims at having a finalised work item description and an accompanied draft standard forwarded to the TC204 before its meeting in April 2006. Should this not be possible, then the WG will recommend to TC204 that the new work proposal is resolved by correspondence. Mr Nogushi will prepare the WI proposal with support from Mr Jouen and Philipp and send it through the WG secretary to the TC (**action NNO/KPH/JFJ-59.4**).

It was noted that this, for the time being, is an ISO work item only. The WG will wait for result of the ISO WI proposal before deciding how to proceed with the work within CEN.

Other issues

SG2 had a brief discussion on patents and IPR based on the list in N900. No immediate action is needed, but Kapsch will check and report back to the SG2 on any input of own patents (**action REN-59.5**).

6.3 SG5 report

Mr. Catling reported from the SG5 meeting held on 2006-04-06 (minutes in N960).

Overall issues

IPR issues and patents were discussed at SG5.

Mr Catling has contacted Remote Dynamics Inc (the company that used to be Highwaymaster Communications Inc). This is the only patent identified which appears to have serious consequences for SG5/17575 and which is not held by a company already associated with WG1. The SG5 convener now feels confident to send the formal letter already drafted to all companies in WG1. Any action on the Remote Dynamics patent will be decided after a response is received from them.

ISO 17575

The project team proposal is with the EC (DG ENTR) right now. SG5 hope that something can be done to speed up the process. Mr Catling asked member states to lobby. In the mean time the work continues on the standards. Mr Engdahl is to send Mr Hamet the latest version of the project team proposal to see if he can speed things up (**action JEN-59.6**).

The Communications part of 17575 was discussed relating to an input from Mr Beier on the need to define layers above L3. ETSI may assist on this, but a problem is that Japanese experts cannot attend ETSI meetings formally. Mr Catling and Engdahl were given the mandate from the WG to explore a more effective cooperation with ETSI in this respect (**action JEN/ICA-59.7**).

The Charging part of 17575 was discussed following a written input from Mr Erker. He is to implement additional work from Mr Vis in the draft.

Mr Catling also reported that they have discussed an approach for the comment resolution with a more general response rather than a point-by-point.

The target dates were reviewed. The aim is still that WG1/SG5 by the end of this year will have: a completed resolution paper and all four parts of 17575 ready. It is noted that a more realistic approach is to have only the communications and charging ready by this year, which is the time table that has been communicated to the TCs. First drafts of all four documents are expected for the Stockholm meeting. The SG will sort out the exact plans for TC review and enquiry phases (noting that these have TS status not EN).

EG9

Mr Catling gave a very brief summary of the EG9 work (N964). EG9 proposes a so called "Intelligent Client" solution for European interoperability. This can work in both fat and thin client schemes and should also include download capabilities as well.

7. FUTURE EFC WORK ITEMS

Mr Engdahl recalled what has been said earlier on new work:

- Test procedures for SG5 standards are desired, but premature.
- Cross border enforcement. We should monitoring VERA developments as well as other EU-work.
- OBU API for access communication media. We should monitor CALM and CVIS for developments in this area.
- Urban RUC. Mr Mackinnon reported that TfL and DfT are to meet supplier to see what can be done in a "hostile" environment as urban often is. Mr Mackinnon agreed to give a presentation at the Stockholm meeting on any requirements identified (**action DMK-59.8**).
- Non-metallised aperture is also progressing (see TC278 report above).

Mr Caneschi asked about EU-work and the need for conformance testing for that (in particular EG11). This will be further discussed at our next meeting.

It was noted that m/338 may also mean more work for WG1, but this issue is currently not on our table.

8. UPDATE ON EFC IN SPAIN AND SOUTH AMERICA

Ms. Martinez gave a presentation on EFC in Spain and South America (N963). Spain uses a DSRC-based system called VIA T that is based on the PISTA specifications as well as relevant standards. There are also new developments with free flow multi-lane systems in Madrid. Argentina, Brazil, Chile and Mexico all have extensive "highway" tolling systems using DSRC-technology.

9. UPDATE ON EFC DEVELOPMENTS IN JAPAN

Mr. Hayakawa gave a presentation on the latest developments in EFC in Japan (N966). Currently Japan have approx. 10 million OBU's in use and a total of 12 million ETC cards. There are also plans to expand the ETC for two-wheel vehicles.

10. LIAISONS

CEN/TC278/WG3 SG5

IFM (part 1) standard is underway to become an EN.

CEN/TC278/WG12

Mr. Vis reported on the recent progress on the Electronic Registration Identification standards suite. Several documents are circulated for comments.

CEN/TC224 WG11

Mr Philipp reported that the IOPTA draft standard will soon be launched for formal vote as an EN.

EU EFC-Directive

Mr Hedin gave a brief report from the Expert Group of 21-22 March. He noted that the EC seems very uninterested in standards and that m/338 was not tabled nor discussed. There are also plans to set up an EG12 on security issues. The exact scope is not settled yet.

The next EFC Expert Group meeting is held at 3 May in Brussels. A Regulatory Committee will be convened in June.

EU projects

There were brief report of the RCI, CESARE-3, GIROADS and Mobile Location Unit progress.

ETSI TG37

See SG2 report above for a report on ETSI test specifications (N957).

National

There were some additional brief reports on national EFC progress.

11. ANY OTHER BUSINESS

None.

Pending action points

Pending action points from WG1's 59th meeting.

ICA-56.7	Make a comment resolution report for the 17575 TC-comments.
DMK-56.11	UK input to the CAN-bus paper provided by Mr. Benz (N902).
SBE-56.12	Revise the CAN-bus paper accordingly (N902).
JEN-57.6	Letter to the TC204 secretary on IPR issues in 17575.
ICA-57.7	Letter to WG-members on IPR-issues in 17575.
JEN-57.8	Inform TC204 secretary and request to take the necessary action to ask "Highway Master" for a statement on negotiation of worldwide licences.
JEN/TFO-58.1	Invite ISO public transport experts to attend our Stockholm meeting in June for further exchange.
TFO/JEN-58.2	Organise a joint session with ISO/TC204/WG8 in conjunction with the Cape Town meeting
FCA-58.3	Make a new inception draft of 17573 to be attached to the NWI.

- JFJ-58.7 Make a presentation of the EC project on the universal OBU at the June WG1 meeting.
- JHE-59-1 Explore the possibilities to move the WG1 web site to the CEN hosted LiveLink.
- DMK-59.2 Amend and issue the Access Credential paper after comment.
- JFJ-59.3 Contact Mr Hamet to explore a liaison regarding EG12 and security issues. Possible EG12 attendance at SG2 in Stockholm.
- NNO/KPH/JFJ-59.4 Prepare a full WI proposal for the ICC-standard and send it through the WG secretary to TC204.
- REN-59.5 Kapsch to report on any input of own patents.
- JEN-59.6 Contact Mr Hamet and send him the latest version of the project team proposal for 17575 to see if he can speed things up.
- JEN/ICA-59.7 Explore a more effective cooperation with ETSI for Japanese participation in 17575 communications work.
- DMK-59.8 Give a presentation at the Stockholm meeting on any requirements identified regarding urban issues in the UK.