

CEN/TC 278 Intelligent transport systems

TITLE Minutes of the 96th meeting of CEN/TC278/WG1 and ISO/TC204/WG5 held in Prague on 2015-04-15/16

SOURCE WG 1

NOTE(S)

REQUESTED ACTION

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Minutes of the 96th meeting of CEN/TC278/WG1 and ISO/TC204/WG5 held in Prague on 2015-04-15/16

Present¹: Appel, Bo, Caneschi, Carlsson, Chouvin, Engdahl (chairman), Erker, Haase, Hayakawa, Hedin (secretary), Janusson, Jirovsky, Jouen, Kudoh, Lykkja, Malbrunot, Nakamura, Nogushi, Ohst, Rajnoch, Reistad, Roivainen, Röhrig, Sato, Suter, Thoureau, Vergnet and Zelinka.

1. OPENING AND WELCOME

The convenor, Mr. Engdahl welcomed the members and opened the 96th meeting of CEN/TC278/WG1 and ISO/TC204/WG5. He extended thanks to the Czech Technical University in Prague, Faculty of Transportation Sciences, Department of Security Technologies and Engineering for sponsoring the coffee breaks, the excellent social event, and the meeting facilities.

The secretary noted apologies for absence received from members: Foss, Greulich, Kersten, Louro and Philipp.

2. AGENDA

The proposed agenda (N2090) was adopted without any changes.

3. MINUTES OF THE PREVIOUS MEETING AND ACTION POINTS

The draft minutes of the previous meeting (N2067) were approved with one change:

- In the last row on page 7 the text "for discussion at m95 in Rome" shall be replaced with "for discussion at m96 in Prague".

The status of the action points from WG1's 95th meeting was reported.

UJA-94.2	Add to the drafting handbook information about provision of electronic inserts for deliverables. Done (see N2098).
TFO-94.4	Check copyright issues if we use PT-material (from their standard deliverables). Pending.
DOH-94.5	Provide a first draft NWIP and GA-text for the Test standard for the IAP for 12855. Done (see SG1 report below).
JEN-94.9	Ask to delete WI 00278366 and then to withdraw CEN ISO/TS 17575-4:2011 as soon as Part 3 has been adopted. Pending.
JFJ/JRA-95.1	SG2 and Mr Rajnoch to agree on how to deal with the revision of TS 14907-2. Done. See SG2 report below.
FCA/WBE/JHE-95.2	Launch the FV/FDIS-ballot in CEN and ISO for ISO 12855 after final editing. Done (N2087).
UJA/FCA-95.3	Do a final compiler check of 12855. 17575-1/2/3, 12813 and 13141. Done.
ALL-95.4	Comment on "IAP for 12855" to PT138 by 3 February. Done.
DOH/JHE-95.5	Send "IAP for 12855" for TC-review in CEN after final editing. Done (N2089).
EER/UJA/JHE-95.6	Launch the FV/FDIS-ballot in CEN and ISO for ISO 17575-1 after final editing. Done (N2077).
WBE/UJA/JHE-95.7	Launch the FV/FDIS-ballot in CEN and ISO for ISO 17575-2. . Done (N2078).
JKE/UJA/JHE-95.8	Launch the FV/FDIS-ballot in CEN and ISO for ISO 17575-3 after final editing. . Done (N2079).
RSU/UJA/JHE-95.9	Launch the FV/FDIS-ballot in CEN and ISO for ISO 12813 after final editing. . Done (N2080).
RSU/UJA/JHE-95.10	Launch the FV/FDIS-ballot in CEN and ISO for ISO 13141 after final editing. . Done (N2082).

¹ This list includes all those present at any part of the meetings held on 2015-04-15/16 (i.e. not necessarily all of the meetings).

UJA-95.11	Draft NWI proposals for amendment of 12813 and 13141 adding Wave. Done (see N2095, N2096).
UJA/EER-95.12	Analyse if 16702-1 should be subject to an amendment adding Wave. Done. Mr Janusson reported that he has had a discussion with some experts and that the general feeling is that it is premature as there is no market demand at present. This position was endorsed by the WG.

4. NEXT MEETINGS AND INTERNAL ADMINISTRATION

Next meetings

The following meeting dates were agreed.

Dates	Location	Organiser
23-25 June 2015	Stockholm	Janusson
XX September/October 2015	Germany	TC204/Hedin
19-21 January 2016	Switzerland (tbc)	Suter

Mr Hedin noted that we do not yet have got fixed dates for our fall 2015 meeting (with TC204). It is expected to be settled in next week at the TC204 plenary. The WG confirmed that we should still have our WG meeting in conjunction with the TC204 autumn meeting, ideally on Monday-Wednesday. The WG-secretary will notify the members as soon as it has been decided.

The meeting in January 2016 was provisionally allocated to Switzerland. Mr Suter will undertake to check the practicalities for this meeting before it is confirmed.

The timing needs for m97 from SGs and TFs were recorded:

- Task Force on Test standards: 2 hours.
- Task Force on terminology: 5 hours.
- SG1: 4-5 hours
- SG2: 2-3 hours
- SG5: 2 hours.
- WG1: 4 hours.

Hence it was concluded that we can organise m97 in 2-3 days on the 23-25 June according to a similar schedule as for this meeting. It was also agreed that the two Task Force-meetings could be held in parallel on Tuesday afternoon. The final meeting details will be worked out by the WG1-secretary together with the convenor, the SG-convenors and the host.

Administrative issues

Mr Janusson gave a brief update on the latest about the drafting handbook v 1.4 (N2098).

Mr Engdahl reminded members, editors and convenors on the agreed practise for distribution of documents: They should be sent at least 2 weeks in advance of meetings. This is to give all experts sufficient time for assessing the input and for consultation with other (national) stakeholders.

Members are welcome to provide feedback on the new meeting format to the WG convenor/secretary.

5. FEEDBACK FROM CEN/TC278 AND ISO/TC204

Feedback on voting on standards, etc.

TR 19639 has been approved in ISO (TC204 doc N3464). Mr Engdahl congratulated the members of SG1 and in particular the editors from Japan and Korea.

The amendment of 14906 has been approved in ISO and CEN. See TC204 doc N3480.

The Systematic Review of three of our CEN-only deliverables has just been started (2 months deadline):

- TS 16331
- EN 15876-1/2 (i.e. both parts)

The deadline for these is 3 June 2015.

The systematic review of several other deliverables is ongoing in ISO:

- TS 16407-2
- TS 16401-1/2
- TS 16410-2
- TS 16403-1/2
- TS 13140-2

The deadline for these is 16 June 2015.

CEN/TC278

The last CEN/TC278 meeting was held in Delft on 24-25 March 2015 (reports in TC278 N3194-96). WG1s status report can be found in N2088. Mr Engdahl reported on recent EFC-relevant progress and issues:

- A time extension of our TR on Security Assessment has been granted (9 months, i.e. draft to be sent to CCMC for submission to CEN FV by 2016-03-16).
- The CEN EC framework agreement is expected to be approved in May 2015.
- An ad hoc group on how to publish electronic and machine readable files (including Mr Engdahl) was established.
- An ad hoc group to assess TC278's and other ITS standardisation websites was established. They will look at the broader perspective and possible improvements of the information availability on CEN and ISO standardization that are now available via multiple sources.
- The proposed extension of Wifi-band in the 5 GHz band, which would raise interference issues with CEN and ARIB DSRC, ITS-G5, IEEE Wave seemed to be put on hold. Potentially a written joint statement will be drafted between TC22 and TC204, TC278 (and maybe TC301) targeting the audience spectrum regulators.
- Co-existence between 5.8 and ITS-G5 looks manageable but is yet to be secured.

Mr Engdahl summarised the progress regarding the Grant Agreements:

- The EFC-work on the 2012 Grant Agreement (GA 2012-21) (PT137-139) is on-going. PT138 and PT139 are still active while PT137 has completed its tasks,
- The 2013 proposal for Grant Agreement for revision of test standards is at a standstill while waiting for the general framework contract between CEN, ETSI and EC to be negotiated and finalised. This proposal comprises:
 - Revision of the test specifications standards for "Autonomous-based EFC" (4 x 2 deliverables).
 - Revision of the test specifications standards for "EFC-DSRC communications-based EFC" (3 x 2 deliverables).
- The ICT Rolling Plan is used as a basis for Grant Agreements. The current version has text mentioning the main ideas stemming from WG1.

It has been indicated that the new SA applications approval process (N2076), using a CEN pre evaluation phase will be applied also for our GA-proposals from 2013. We will know more as soon as the framework agreement has been signed and negotiations can start again.

The next TC278 meetings are scheduled for 16-17 September 2015 in Germany and for March 2016 in Vienna (tbc).

ISO/TC204

There has not been an ISO/TC204 meeting since our last WG meeting. The next meeting is held in Hangzhou later in April and the WG-convenor's status report can be found in N2114. Mr Engdahl reported on topics of interest:

- The proposal for resolutions from WG5 can be found in N2114, incl:

- Provisions for electronic publication of machine readable files
- Revision and conversion of 16407-1 and 16410-1 into International Standards.
- Revision of TS 14907-2.

These recommendations were endorsed by the WG.

The next TC204 meetings are scheduled for; 20-24 April 2015 in Hangzhou, China; and September/October (dates not set yet) in Germany.

6. CROSS CUTTING ISSUES

6.1 Terminology

Mr Appel reported on the new draft of the terminology that has been sent out as N2100. This new version should be subject for discussion and approval at a workshop meeting in Stockholm on 23 June. Mr Appel will appreciate written comments before this by 15 May (**action ALL-96.1**) and a new draft will be sent out by 9 June (**action KAP-96.2**). The aim is to make a new N-document in Word (for easy copy-and-paste) by editors. Please note that editors and members can always (and presently) use the pdf-version that was widely distributed (N1915) and the latest-change version of the Excel file (see the drop-box area of LiveLink) for up to date copy-and-paste of terms. Mr Engdahl reminded editors to use this agreed procedure and format for all drafts under work.

The WG recorded thanks to Mr Appel for all the work done.

6.2 Data definitions (incl. DRDD/CIDCR)

There was no news from the WG-internal work on these.

Concerning the ideas in TC204 (CIDCR etc.) Mr Janusson pointed out that we as a WG should be free to publish code from standards on web sites etc. There might be other joint interests as well (from the TC) but we must also make sure to secure the needs for us as a WG.

6.3 WG1 landing page

Mr Janusson reported on the new features of the landing page including informative texts on EFC and WG1 as well as a matrix for the main deliverables of our WG (incl. ASN.1 and TTCN codes for download and the links to the ISO online browsing platform): <http://www.tc278.eu/index.php/efc>

6.4 Test standards task force

Mr Rajnoch reported on the work done so far in the test standards task force and the meeting held on 2015-04-14.

14907-2

The SR ballot results for TS 14907-2:2011 can be found in N2093. It has been agreed that the TF will do the work on this revision (and not SG2). It was also agreed that 14907-2 shall not add TTCN and that the TS shall be revised as a TS. A new draft shall be done for the next meeting.

The aim is to go for CD ballot comments only / TC review (or alternatively directly DTS ballot / FV depending on the nature of changes) after m97.

15876-1/2

The TF will wait for SR-comments (ready by 3 June) and then make a new draft of Part 1 before the meeting in June (if SR-comments can be accommodated). It is expected that we will opt for revision of this part. Part -2 has no current plan agreed yet.

13143- 1 (CCC tests)

New draft has been sent out as in N2092. The recommendation is to revise and convert these to EN/IS. The TF would appreciate written comment by 22 May. A new version will be done by m97.

13141- 1 (LAC tests)

New draft has been sent out as in N2042. The recommendation is to revise and convert these to EN/IS. The TF would appreciate written comment by 22 May. A new version will be done by m97.

The aim is to go for: DIS ballot / CEN Enquiries after m97 for these three deliverables (i.e. 13141-1, 13143-1 and 15876-1).

Kapsch has agreed to contribute to 15876-2, 13143-2 and 13140-2 in taking care if the TTCN-2 updates.

For the update of Parts-2 regarding the TTCN-3 parts, there is a need for support from manufacturers, but how this shall be solved is not settled yet.

Mr Engdahl will investigate with the NoBo group members if they are interested in contributing while Mr Caneschi will also check with Italians experts that have indicated an interest and Mr Vergnet with French partners (**action JEN/FCA/BVE-96.3**).

7. SUB-GROUP ROUND UP²

7.1 SG1 report

Mr Caneschi reported on the SG1 meeting held 2015-04-15 (minutes in N2105).

Revision of EN ISO 12855

Has been sent for FV (N2087).

This standard has been sent for vote. The voting dates are not known.

TS "IAP for 12855"

Latest draft: N2089 (2015-02).

A draft is out for TC-comments in CEN with a deadline of: 2015-05-03. PT138 will undertake to draft a proposal for a CRR and also a new draft standard by the next meeting.

Time schedule:

TC-rev: 2015-02

FV: 2015-10.

Revision of CEN TS 16439 (ISO TS 19299) - Security Framework

Latest draft: N1978 (2014-06)

This TS has been sent for FV with the deadline closing is at; 2015-05-20.

Mr Appel noted that we need an update of the terms that are in the FV-version. It was agreed that he will be assisted by Mr Lykkja in providing these for the FV as comments (**action OML/KAP/JEN-96.4**).

² Secretary note: The minutes also include active work items that were not orally reported by the SGs for reference (e.g. those that are under vote).

ISO TR 19639 - Investigation of EFC standards for common payment scheme for multi-modal transport services
Latest draft: N2018 (2014-10).

This TR has been approved in ISO.

There was a discussion in SG1 on proposals for further work related to this TR (provisionally called Part 2 and Part 3) based on proposals from the Japanese/Korean editing teams (see N2103 and N2110). The WG members have concluded that we need more information and discussion before we are in a position to agree on the WI proposals as a group. Synopses are to be added together with further explanations of the needs and relations to other standards.

It was also noted that the Part 2 and 3 structure has not been agreed yet in the WG (and that the TR has not been published as a "part 1").

Revision of ISO TS 17574

There was a presentation by Mr Kudoh (N2109). It has been agreed to wait for the SR-results before further actions are taken. The SR ends at 2015-09-15, hence enabling results to be available well before our fall-2015 meeting.

Revision of ISO 17573

The SR will start on 2015-10-15, giving results available in 2016-02. SG1 will undertake to list some topics for discussion at the next meeting.

Non-active work items report

The revision timelines for all SG1-deliverables were noted in the SG1 minutes.

New work ideas

Mr Ohst had presented some ideas for a work item for conformity evaluation towards the "IAP for 12855". An enhanced draft will be done by Mr Ohst to be discussed at the next meeting. See also actions related to the NWI proposal and associated GA application in the SG1 minutes.

7.2 SG2 report

Mr Jouen reported on the SG2 meeting held 2015-04-15 (minutes in N2106).

Revision of TS 14907-1

Latest draft: N2009.

This standard has been sent for FV with an expected end date of; 2015-06-13 (TC204 doc N3499).

Mr Jouen informed the members on the last minute changes that were done as a result of the ISO-editors feedback before the FV was launched.

Revision of TS 14907-2

See TF report above (agenda item 6.4).

Amendment of EN ISO 14906

Latest draft: N2042 (2014-10, amendment).

The FV of the amendment has been closed and it was approved (TC204 doc N3487). No actions are needed at this stage.

Security in the DSRC applications

Latest draft: N2102.

Mr Lykkja had provided a new draft (N2102) that was discussed at SG2. The aim is to have a final draft ready for TC-comments after the next meeting.

Time schedule:

TC-rev:	2015-06
FV	2015-10

Interface for personalization of OBE

Some ideas were been presented in N2072 and a NWI proposal has been drafted for one of the foreseen parts. An architecture picture summarised the different interfaces subject for possible standardisation. It remains to be settled if this proposal will need a multi-part structure for the deliverables or if it can be merged into on combined deliverable. A tentative ToC will be done.

Non-active work items report

The revision timelines has been noted in the SG2 minutes.

7.3 SG5 report

Mr Janusson reported on the SG5 meeting held 2015-04-15/16 (minutes in N2107).

ISO 17575-1/2/3

Latest drafts: N2077, N2078, N2079.

These three parts have all been sent for FV, while Part 4 has not been sent for FV as agreed at previous meetings. The dates for votes are not known yet.

12813

Latest draft: N2080.

This standard has been sent for FV. The dates for vote are not known yet.

13141

Latest draft: N2082

This standard has been sent for FV. The dates for vote are not known yet.

IEEE "Wave" for 12813 and 13141 – amendment proposal

There were NWI proposals from Mr Janusson sent out as: N2095, N2096. SG5 has discussed some ideas on improvements of these drafts. It was agreed to wait to send them for ballot until the FV has been concluded of these standards (to be confirmed at a WG-meeting following the FV-conclusion).

Mr Hedin added that it is possible to use a "fast track" process in ISO for such amendments, i.e. first a NP-ballot and then directly to the DIS-ballot, noting that a positive result of the DIS-ballot might result in immediate publication.

Test standards for 17575

There was a discussion on the actual need for the test standards for 17575. The discussion will continue at forthcoming meetings when the SR-results are known.

Roadmap and revision timelines

The status, plans and revision timelines are reported in the SG5 minutes.

8. NEW EFC WORK ITEMS

The previous ideas on "Route monitoring by probe data and RSU" has been reshaped into a new idea on "EFC - Framework for Urban ITS - Definition of EFC Application for traffic management" that was presented by Mr Nakamura (N2112). The WG agreed that we should discuss these ideas more in detail at m97 in June together with a draft NWI proposal. It was also agreed that TC204 (including WG9) standards should be studied and considered, and that it might be a good idea to have a joint meeting with WG9 in October.

The ideas for work on an "Investigation of EFC technologies" were presented by Mr Noguchi (N2113). The WG agreed that we should discuss these ideas more in detail at m97 in June together with a draft NWI proposal. It is generally agreed to add policy options and the suitability of technical concepts to support these. Mr Ohst also volunteered to join the editing team. A pre-adopted NWI is not considered as needed at this time (for a TR) as it is better to go directly for a NP-ballot for a TR.

Mr Engdahl summarised the ideas for possible new work we have previously listed including the new ideas stemming from this meeting:

Title/scope	Rapporteur	Status
Test standard for IAP/12855	Ohst	NWI being drafted. See SG1 report.
Common payment – Reloading	Bo	Ongoing discussion.
Common payment – Application interface requirements	Hayakawa	Ongoing discussion.
Interface for Personalisation of DSRC OBU	SG2	NWI being drafted. See SG2 report.
Using IEEE Wave for 12813 and 13141	Janusson	NWI being drafted. See SG5 report.
Using Wave / ITS-G5 for 16702-1	SG5	Dormant.
Urban traffic management and EFC.	Nakamura	NWI to be drafted.
Investigation of EFC technologies	Noguchi	NWI to be drafted.

9. EFC STATE OF THE AFFAIRS IN CZECH REPUBLIC

Mr Karel Feix, CEO of Kapsch in Czech Republic, gave a presentation on developments of the EFC in the Czech Republic (presentation in N2111).

10. IPR AND PATENT ISSUES

An IPR report has been done by Mr Lykkja and can be found in N2099. A Japanese analysis of recent patents has also been done and has been distributed as N2104. There were no patents identified as being of relevance for our WG in these searches at this time.

In addition there are three outstanding actions from SG5 related to patents that was imported to WG1 as a part of the restructuring of our meetings.

- UJ-93.SG5.15: Analyse impact of patent US000008688510B2 on WG1 standardisation (**action UJA-96.5**).
- UJ-95.SG5.2: Find and evaluate Deutsche Telecom patents related to old action VV-75.2 to determine if there is any impact on ISO 17575-1/3 (**action UJA-96.6**).
- GG/TJ-95.SG5.9: Analyse the patent EP000000824731B2, Sasial Vehicle Technologies US and report back to SG5 (**action GGR/TJE-96.7**).

11. INFORMAL LIAISONS

Public Transport – CEN/TC278/WG3/SG5 & ISO/TC204/WG8

Mr Hedin reported that Mr Foss is being in contact with WG8 about a joint meeting in October in the TC204 week.

AVI/AEI - CEN/TC278/WG12

No news.

ITS architecture - CEN/TC278/WG13 & ISO/TC204/WG1

Mr Engdahl noted that as we do not have a rapporteur for this agenda item we need a volunteer to take this on. It was agreed as a joint action for the next meeting to see if such an expert could be found for this task (**action ALL-96.8**).

Co-operative systems – CEN/TC278/WG16 and ISO/TC204/WG18

No news.

Transport applications for IC-cards - CEN/TC224/WG11

No news.

ETSI TC ITS

Mr Caneschi reported that a new draft of the ETSI TS 102 792 on mitigation techniques between DSRC and ITS-5 GHz is being prepared and that there will be a comment resolution meeting within a few days.

For the liaison reporting of WG5 there was no report. Mr Tijink (and all members) should consider if this reporting is needed in the future.

IEEE

Mr Lykkja made a short report on the current work on 1609.3: IEEE Standard for "Wireless Access in Vehicular Environments (WAVE)—Networking Services" and the current work to harmonize 1609.3 with ISO FNTF is in progress.

EU EFC Directive

Mr Appel reported that the last meeting with the ETC was in November so there is nothing new to report at this time. He also added that at the moment the EC are most likely preparing a report to the parliament. Further actions might result in launching a revision of the EETS in conjunction with a revision of the Eurovignette-directive. However, no actions have been decided yet.

REETS

Mr Ohst reported that REETS is continuing the work primarily with the Interoperability management functions. He also said that there are (informal) pilot activities to be launched in several nations. There will be real providers to charge tolls in 2016 (without having to supply the entire EETS-region). The REETS project is monitoring this, which is not formally a part of the project.

He also added that the EC wants to know what remains to be done in EFC-standardisation. In response REETS has proposed a permanent funding for PTs and co-ordination of the EFC-standardisation activities.

Intelligent Transport Systems – Co-ordination Group (ITS-CG)

Mr Hedin reported that the next meeting of ITS-CG is scheduled for 2015-05-07 in Brussels.

EETS-NB co-ordination group (NoBo-group)

Mr Engdahl reported the he has had a phone meeting with the EC and NoBo-chair on next steps. The EC has indicated that they need guidance for how to fill in the gaps on standardisation. As for certification and other needs they will seek a consultation with the EFC-industry.

12. ANY OTHER BUSINESS

Mr Engdahl closed the meeting and once more thanked the hosts for all the arrangements and the generous hospitality shown.

Pending action points

Pending action points from WG1's 96th meeting.

TFO-94.4	Check copyright issues if we use PT-material (from their standard deliverables).
JEN-94.9	Ask to delete WI 00278366 and then to withdraw CEN ISO/TS 17575-4:2011 as soon as Part 3 has been adopted.
ALL-96.1	Comment in writing to Mr Appel on the new terminology draft (N2100). Deadline 15 May.
KAP-96.2	Make new version of the terminology by 9 June.
JEN/FCA/BVE-96.3	Investigate with NoBo group members, Italian and French experts any interest in supporting the revision of the test standards.
OML/KAP/JEN-96.4	Provide comments on terms for the FV of TS 19299.
UJA-96.5	Analyse impact of patent US000008688510B2 on WG1 standardisation.
UJA-96.6	Find and evaluate Deutsche Telecom patents related to old action VV-75.2 to determine if there is any impact on ISO 17575-1/3.
GGR/TJE-96.7	Analyse the patent EP000000824731B2, Sasial Vehicle Technologies US and report back to the WG.
ALL-96.8	Find an expert to report on the informal liaison towards CEN/TC278/WG13 & ISO/TC204/WG1 on ITS architecture.