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| INTERNATIONAL TELECOMMUNICATION UNION | | **Collaboration on Intelligent Transport Systems Communication Standards** |
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| **Title:** | Report on Collaboration on ITS Communication Standards to TSAG | |

*This document contains a draft report on the activities of the Collaboration to ITU’s Telecommunication Standardization Advisory Group (TSAG).*

**Report on Collaboration on ITS Communication Standards**

Summary

The document provides an update on the activities of the Collaboration on Intelligent Transport Systems (ITS) Communication Standards.

TSAG is **invited** to *note* the report, to *recommend* ITU-T Study Groups to actively participate in the work of the Collaboration, and to *agree* that the Collaboration on ITS Communication Standards *continue as a pilot* and that the Collaboration report back to the next TSAG meeting.

Activities

TSAG in its meeting in January 2012 *“agreed that the Collaboration on ITS Communication Standards be continued as a pilot and report back to the next TSAG meeting”* ([TSAG R5](http://www.itu.int/md/T09-TSAG-R-0005/en)).

Some days later, World Radiocommunication Conference 2012 (WRC-12[[1]](#footnote-1)) in Resolution 654 [COM6/23] resolved to make ITS an agenda item at WRC-15 and instructed the ITU Secretary-General to *“to bring this Resolution to the attention of the international and regional organizations concerned, including ISO and the ITU’s Collaboration on ITS Communication Standards.”*

The following meeting of the Collaboration took place on 3 April 2012 in Troy, Michigan, United States, at the kind invitation of SAE International. Twenty-eight people participated (13 on-site and 15 remote participants) including representatives of CCSA, ETSI, ISO, ITU-R, ITU-T, SAE International and TTC.

The meeting agreed on actions addressing several items of the Collaboration’s list of initial work items (Draft, 3 April 2012[[2]](#footnote-2)) (Draft Meeting Report[[3]](#footnote-3)). Particular emphasis was given to the reporting of communications requirements for high-priority ITS applications in different geographical regions.

It is expected that – based on these requirements – a gap analysis will be undertaken to create a complete picture of the ITS communications standards landscape. Related ITU-R and ITU‑T Study Groups and Working Parties would be invited to review and assess the quality of ITS communications standards identified by the Collaboration and to incorporate them into ITU-R or ITU-T Recommendations when appropriate.

The creation of a complete, coherent and effective package of security frameworks and standards for use within ITS communications is another important work item of the Collaboration, one which will only succeed with the assistance of ITU-T Study Group 17.

The third Collaboration meeting will take place on 26 June 2012 in Munich, Germany, at the kind invitation of BMW.

It is intended to hold Collaboration meetings in collocation with related meetings, in particular with ITU-T Focus Group on Driver Distraction, and offer the use of remote collaboration tools to reduce travel and minimize costs. This will also be the case for the meeting in August (21 August 2012, Tokyo, Japan, hosted by TTC).

ITS are an issue intersecting with the work programmes of different ITU-T activities including multimedia, future networks, security, quality of service, environment and climate change, Internet of Things, etc.

The intent of the Collaboration on ITS Communication Standards is to create an internationally accepted, globally harmonized set of ITS communication standards by:

* promoting and cross-referencing existing standards (independent of source),
* modifying and extending existing standards where indicated, and
* developing new standards where necessary.

This is only possible with the active involvement of the relevant ITU-T and ITU-R study groups and their experts.

Previous Collaboration meetings have attracted national, regional and global SDOs, forums, consortia and industry alliances dealing with ITS, as well as academia and representatives from both automotive and ICT industries.

The positive feedback and rapid progress is a sign that a flexible and multilateral task force, such as the Collaboration on ITS Communication Standards, can be a valuable ITU-T tool to effectively meet industry demands.

Conclusion

TSAG is invited to:

* promote the work of the Collaboration on ITS Communication Standards by recommending ITU-T Study Groups to actively participate in the Collaboration activities and work items intersecting with their mandate; and
* agree that the Collaboration on ITS Communication Standards be continued as a pilot and that the Collaboration report back to the next TSAG meeting

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1. <http://itu.int/ITU-R/go/index.asp?wrc> [↑](#footnote-ref-1)
2. <http://itu.int/en/ITU-T/extcoop/cits/Documents/ToR/Work%20Items%20(v120403).docx> [↑](#footnote-ref-2)
3. <http://itu.int/en/ITU-T/extcoop/cits/Documents/Meeting-20120403-Troy/011%20-%20Draft%20Meeting%20Report.docx> [↑](#footnote-ref-3)