

TRIP REPORT

ISO/TC 204 PLENARY / C/HOD / WORKING GROUP MEETINGS

October 11-15, 2004

Beijing, China

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Chair, SCC/CAC for ISO/TC 204

Introduction

The 24th Plenary meeting of ISO Technical Committee 204 (Intelligent Transportation Systems) was held in Beijing, China, hosted by the Standards Administration of China and The National Center of ITS Engineering and Technology from October 15, 2004. The meetings were all held at the Tianhong Plaza Hotel in Beijing.

This report provides a brief overview of the proceedings of the Plenary Meeting and of the progress reported by the working groups at the Conveners & Heads of Delegation Meeting. It also gives brief reports on the associated special meetings.

Canadian Delegation

The Canadian delegation to the 24th TC204 meeting included 2 members:

- William Johnson, Head of Delegation, representing the Standards Council of Canada,
- Dr. Lewis Sabounghi of Sabounghi & Associates, international Convener of WG 7 (General Fleet Management & Commercial Freight) and Canadian expert to WG 7, and WG 16;

For further information about Work Group meetings, see the trip reports by the delegates that are posted on the SCC website (Sitescape) or contact the delegate directly.

Meeting Highlights

There were delegates from 14 countries (out of 24 "P" or voting members) attending the TC 204 meetings in October 2004 in Beijing, China including Austria, Australia, Canada, China, France, Germany, Japan, Korea, Netherlands, Norway, Sweden, Switzerland, UK and USA.

There were meetings for Work Groups 1, 3, 5, 7, 8, 9, 14, and 16 on Monday to Wednesday and the Convener/Head of Delegation meeting was held on Thursday and the Plenary meeting on Friday.

There was a joint APEC-ISO/TC204 project meeting on Wednesday morning and a workshop on Interoperable Fare Management Systems on Tuesday. The Canadian Head of Delegation attended both of these events. There was also a separate, parallel event organized by ITS China on ITS Standards Development in China at which Dr. Lewis Sabounghi was invited to speak.

The TC 204 continues an active program of standards development. At the Plenary meeting, 22 resolutions were passed based on recommendations from the work group conveners and on discussions at the C/HOD and Plenary meetings. The new convener for WG 10 Traveller Information Systems is Ralf Duceck of Germany.

This meeting marked the last one at which Mr. Martin Rowell presided as chairman of ISO Technical Committee 204 after serving 12 years over 3 terms. The occasion was marked by a suitable celebration of his long and illustrious service to the Committee.

Report of Plenary Meeting

The Plenary meeting is the focal point of the standards development business of ISO/TC 204. The agenda has the following standard items (details of outcomes provided below or as noted):

- a) role call (see list in Meeting Highlights),
- b) approve minutes of previous meeting (Vancouver May 2004),
- c) review and approve minutes of C/HOD meeting on previous day (October 14) including reports from Work Group conveners (see Report of C/HOD Meeting),
- d) liaison reports from other organizations involved in ITS standards development,
- e) plans for future meetings (next meeting in Paris, France April 18-22, 2004),
- f) approve resolutions for action arising from work groups and plenary (see annex).

The C/HOD meeting on the previous day had these additional agenda items:

- g) report from the ad hoc Strategic Planning Committee,
- h) report from the secretariat including progress to implement previous resolutions.

Liaison Reports – Internal to ISO

TC 204 maintains liaison with many other organizations engaged in ITS-related standards development activities to minimize duplication of effort and maximize opportunities for collaboration (see reports submitted by liaison partners for full details):

ISO/TC 22 – Road Vehicles (Mr. Malaterre reported for Mr. Cheynet, chair of TC 22) – TC 22 wishes to cooperate and minimize duplication; there is a feeling that the auto industry made a mistake 15 years ago in showing no interest in ITS (resulting in creation of TC204 separate from TC22); now TC22 wants to have cooperation and discussions for joint action; new chairman is ready to cooperate.

ISO/TC104 – Freight (no report)

ISO/TC 211 – Geographic Information / Geomatics (Tom Lyden reporting for Dr. Goodwin) - Cooperative Agreement developed at Chicago meeting is now in place (V3.1 dated August 2004); it has been disseminated by the secretariat and will be endorsed by resolution.

ISO/IEC JTC1 – Information Technology (Mr. Brennan and Mr. Williams reporting) – No new work items.

ISO/IEC JTC1/SC31 – Automatic Identification & Data Capture (Mr. Williams reporting) – R.I.D. options are under consideration using the M.I.T. protocol; proposal is to use a 128-bit code to replace the UPC bar code.

ISO/TC122/TC104 – Joint Work Group on Supply Chain (Mr. Schnake reporting) - Applications of RFID are under investigation.

Liaison Reports – External to ISO

ITU Work Party 8A – TICS Correspondence Group (Mr. Najarian reporting) –

It was announced that Mr. Shields (WG16 Convener) who attended the WP meeting got ITU to open its events in conjunction with the Geneva Auto Show to all international and regional standards organizations to attend; the dates are March 1st Press Conference, 2nd VIP Day, 4th has 4 Technical Blocks per day; now have a “blank page” to communicate with standards committees; follow up by Messrs. Williams, Brennan, Najarian (as facilitator), an ad hoc advisory panel to harmonize auto standards among SDO’s was outcome of earlier workshop; the primary work items under consideration are CALM 60 millimetre and DSRC.

APEC TWG/ITS SIG – Asia Pacific Economic Cooperation (Mr Weiland reporting) – The APEC meeting held in Bangkok recognized the results of the workshop held in Vancouver in May 2004 to consider an architecture to cover safety & security strategy for container shipments; approved a project for a world ITS standards report; issued a report to Ministers; and considered other topics for study including RFID.

A report of a joint meeting of APEC-ISO/TC204 held on Wednesday October 13 in Beijing was given; plans for the world ITS standards report were developed; a core team will progress the project; a website established; a progress meeting will take place at the next ISO/TC204 meeting in May; Mr. Choi of Korea was recommended by USA as new liaison to TC204; the world report on ITS standards will survey the state of ITS standards to identify problems and opportunities for cooperation.

IEEE – USA-based Standards Development Organization (Russ Shields reporting) – The IEEE developed communication protocol 802.11p is now used by WG 16 for the latest version of CALM 5.9 GHz.

Open GIS Consortium – Geographic Information System Consortium (Tom Lyden reporting) - New name is “Open Geospatial Consortium” (?); new liaison is Mr. Sam Backarac.

CEN Report – Conseil European de Norme/ European Standards Council (Jelte Dijkstra reporting) – TC 278 is in transition to a reoriented market and political (safety) agenda; New chair of TC278 is Mr. Henk Stohlhorst; CEN has selected Mr. Ralf Duceck (Germany) as new convener for ISO/TC204 WG 10 and corresponding TC278 WG. CEN has appointed a new convener for WG 5 and WG 1.

Strategic Report on ITS Standards is available on website for TC278 (APEC to note);

November conference in Brussels; www.nen.nl/cen278;

Report on status of parallel work items (see list);

Redraft of Business Plan is reformatted but not issued (expected next year); plan is reoriented to new market and political (safety) needs;

Architecture Guide Book for Traffic Planning is now available in English and Chinese with European best practises and Traffic Management Handbook.

Freight Security with ISO TCs and IMO – Mr. Williams reporting -

Meeting on September 4th with other ISO TC's and International Marine Organization; delegates demonstrated cooperation and reviewed perceptions of problem; preference for chair to chair contacts; resolution of conflicts referred to Central Secretariat and ISO/TMB; issue will be added to Chairs Conference; issue management will be by TMB; relations are better with TC8 and IMO.

Future Meetings

The schedule for the next ISO/TC 204 meetings is as follows:

- Paris, France – April 18-22, 2005
- USA/site tbd – October 31 to November 4, 2005
- Korea/site tbd – May 15-19, 2006

Ad Hoc Strategic Planning Report

This report was delivered by Hironao Kawashima of Japan as interim chair of committee. The TC22 issue has resulted in some misunderstandings. There is a need to document TC204 accomplishments. The Joint TC22-YC204 committee structure is supported by Japan Auto Manufacturers.

Comment from WG16 convener - would prefer convener-to-convener approach and points out TC22 has not dealt with human factors as agreed. It is urgent to resolve issue.

Comment by acting HOD for USA – believes TC22 is stonewalling; TMB solution is not fair to TC204 who has prepared a 2-page summary for discussion. Issue is unresolved.

Secretariat Report

The secretariat for TC 204 is provided by ITS America under the auspices of US/ANSI. Paul Najarian, Director Telecommunications & Standards, is the secretary for TC 204 and Regina Barnett, Program Coordinator, is his assistant. (<http://www.itsa.org/tc204.html>).

There are now 23 “P” or voting members of TC 204 and 25 “O” or observer members. Brazil request to rejoin is under consideration. Liaison problems exist with TC211, Open GIS and IETF (removed). New liaison for IRdA is Dr. Raimund Pammer of Austria. Conveners are now named for WG’s 5, 9 and 10 and WG 11 is vacant. The resolution to send the WG15 application layer DIS to ballot was not done.

Resolutions

There were 22 resolutions passed by the delegates at the plenary meeting. They will be posted on the ITS America, Livelink and SCC websites in due course. The resolutions of prime interest to Canada are as follows:

- TC204 appoints Mr. D. Choi, Korea as liaison to **APEC**.
- TC204 adopts new Preliminary Work Items:
 - WG1 Procedure for developing ITS deployment plan utilizing **ITS system architecture**
 - WG3 Data structure **for map data** provision and update in ITS applications
 - WG8 Reactivate Standard numbering system for public transport stops (PWI 17685)
 - WG16 Privacy – basic principles for probe personal data protection
 - WG16 CALM Spectrum manager
 - WG16 CALM Media
- TC204 resolves to send these PWI to NP ballot:
 - WG14 NP 22178 **Low speed** following systems
 - WG14 NP 22179 **Full-speed range adaptive cruise control**
 - WG16 NP21216 CALM Millimetre wave
- TC204 resolves to send this document for comment prior to CD ballot:
 - WG16 NP 21210 CALM Networking
- TC204 resolves to send these documents for CD ballot:
 - WG1 CD 24532 Using CORBA in ITS standards, data registries and dictionaries
 - WG& CD 24533 Data dictionary and message **set to facilitate movement of freight** and its intermodal transfer – proceed to DIS ballot if no objections or major comments
 - WG8 CD 22951 Data dictionary and message set for **Pre-emptive & prioritization signal systems** for emergency and public transport vehicles (PRESTO)
 - WG16 CD 22837 Vehicle probe data
- TC204 resolves to reorganize CEN ISO TS 24534 **AVI/ERI** into 5 parts.
- TC204 instructs its chair and secretariat to establish a category A liaison with the **World Customs Organization**
- TC204 empowers its chair to make every effort to negotiate a reasonable and mutually acceptable agreement regarding **cooperation with TC22** (with emphasis on the interests of the major auto producing countries)
- TC204 resolves to approve the **TC204-TC211** Cooperative Agreement (Chicago agreement)

Report of C/HOD Meeting

The Conveners/Head of Delegation meeting took place on Thursday October 14, 2004 and consisted of reports on recent progress by each Work Group convener. Highlights of these reports are briefly summarized in this section (see convener reports for full details of progress – Vancouver reports available at www.itsa.org/tc204).

- WG 1 Architecture – Bob Williams (UK) – 8 active WI; work sheets for data registration are available; co-working with CEN on joint work items; ISO 14813 Service Domains is

out for ballot; workshop held in Beijing October 11, 2004 “ITS Service Domains”; work on PWI for “web services” started.

- WG 3 Mobile Map Data – Masao Shibata (JP) – 4 active WI; NP 22953 xGDF approved in July; NP 17572 Location Reference out for CD comment until January; new PWI proposed for data structures and interfaces using WG16 protocols.
- WG 4 Automatic Vehicle Identification – Knut Evenson (Norway) – 8 active WI; E-registration (licence plate) work item is under development; contact **Lewis Sabounghi (CA)** for further information.
- WG 5 Fee and Toll Collection – Jesper Lindahl (Sweden) – 6 active WI; new convener selected by CEN for WG5 and TC278.
- WG 7 General Fleet Management and Commercial Freight – **Lewis Sabounghi (CA)** – 2 active WI; DIS 17687 monitor and track transporting dangerous goods is out for DIS ballot (**Action** SCC due February 8, 2005); NP 24533 data concepts for tracking intermodal freight in end-to-end electronic supply chain is ready for comment as CD comment and, if few comments, forward to next stage as DIS ballot (**Action**).
- WG 8 Public Transport and Emergency – Dave Matta for Alan Kiepper (US) – 5 active WI; workshop in Beijing for Interoperable Fare Management; WI’s are Stop Numbering, TCIP, PRESTO, IFMS architecture, ITS emergency service communication interface.
- WG 9 Integrated Transport Information, Management & Control – **Bill Johnson (CA)** reporting for Ted Vincent (Australia) – 4 active WI; DIS 14827 centre to centre approved for FDIS ballot; NP 15784 data exchange involving roadside modules 3 parts are out for ballot; ISO 17383 data dictionary resource difficulties and new approach; NP 21707 data quality out for ballot; new work proposed to review traffic management service domain.
- WG 10 Traveller Information Systems – Ralf Duckeck (Germany) – no report.
- WG 11 Route Guidance and Navigation – no convener – no report
- WG 14 Vehicle/Roadway Warning and Control – Kiichi Yamada (Japan) – 6 active WI; reports on LCDAC, ERDA, FCAAS, LSF, FSRA, LDWS; CD 17383 out for ballot; TC 22 versus TC204 issue is in-vehicle versus vehicle-to-vehicle and vehicle-to-infrastructure detection; convener finds requirement to report IP is onerous..
- WG 15 DSRC – Carl-Hebert Rokitansky (Germany) – no report; 1 active WI; ISO work item is application layer, contact **Lewis Sabounghi (CA)** for further information.
- WG 16 Wide Area Communications – Russell Shields (US) – numerous work items including architecture, CALM modes (MM, M5, Infrared, cellular, 5.9 GHz), networking, vehicle probe data; application manager; issue of linkage to entertainment systems.
Note: Contact **Lewis Sabounghi (CA)** for further information on WG 16.

For further information, contact the Head of Delegation:

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