

## **TRIP REPORT**

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

**October 2-6, 2006**

**Cape Town, South Africa**

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Head of Delegation Canada, and

Chair, SCC/Canadian Advisory Committee for ISO/TC 204

#### **Introduction**

The 28<sup>th</sup> Plenary meeting of ISO Technical Committee 204 (Intelligent Transportation Systems) was held in Cape Town, South Africa at the Cullinan Hotel on October 6, 2006. The meeting was took place in Cape Town at the invitation of the South African Bureau of Standards (SABS) and the Head of the South African delegation, Neil Frost. The SABS provided organizational, technical and logistical support. The Head of delegation for South Africa organized the hospitality and social events.

This report provides a brief overview of the meeting highlights, the outcome of the three workshops held during the week, a summary of the Plenary Meeting focussing on resolutions of interest to Canada, and highlights of progress reported at the CHOD Meeting (Conveners/Heads of Delegation). The outcomes of the Working Group meetings held during the week prior to the Plenary Meeting are available in the trip reports posted by delegates on the SCC website (Sitescape). Alternatively, one can contact the HOD Canada or the Canadian delegate concerned directly.

#### **Canadian Delegation**

The Canadian delegation to the 28<sup>th</sup> TC 204 meeting included 2 members of the Canadian Advisory Committee for ISO/TC 204:

- 1) William Johnson (TRENDS Consulting), Head of Delegation (HOD), representing the Standards Council of Canada, also rapporteur for Working Group (WG7) and Canadian delegate to WG9 and WG8;
- 2) Dr. Lewis Sabounghi (Sabounghi & Associates), International Convener for WG7 (General Fleet Management & Commercial Freight) and Canadian expert to WG7.

Note: Canada through Standards Council of Canada is responsible for sponsoring the international convener for Working Group 7 (General Fleet Management & Commercial Freight).

#### **Meeting Highlights**

There were more than 150 participants from 19 countries attending the meetings and workshops related to TC204 during the week of October 2-6, 2006. The meetings included the TC 204 Plenary, the Conveners/Head of Delegation, four Working Groups and Strategic Planning. There are 25 "P" or voting member countries and 25 "O" or observer member countries in TC204. The countries represented in Cape Town were Australia, Austria, Canada, China, France, Germany, Hungary, Italy, Japan, Korea, Netherlands, Norway, South Africa, Spain, Switzerland, U.K. and USA.

The Plenary Meeting was held on Friday October 6th and the CHOD (i.e. Convener/Head of Delegation) Meeting was held immediately before it on Thursday. The Working Groups that met on Monday to Wednesday prior to the Plenary included WG5 (tolling), WG7 (freight), WG8 (transit) and WG9 (traffic management). Canadian delegates attended the WG 7 and

WG9 meetings and part of the WG8 meeting. Trip reports for these meetings are posted on the SCC website "Sitescape".

Three workshops were held in conjunction with the TC204 meetings. The first entitled "Using Web Services and Extensible Markup Language (XML) was held on Monday October 2<sup>nd</sup>. The second, an outreach event to the South African transport community, entitled "Intelligent Solutions for Transport Challenges" was held on Tuesday October 3<sup>rd</sup>. Canadian delegate Dr. Lewis Sabounghi was an invited speaker at this workshop on the panel "ITS and Law Enforcement". A third workshop entitled "Electronic Fee Collection" was held as part of the normal WG5 meeting. According to the host, Neil Frost, the success of the ISO workshops was made possible "through the participation and attendance of local and transportation specialists from all spheres of industry, academia, and government" from South Africa.

The hosts organized an impressive program of social events linked to the TC204 meeting that enabled delegates to interact with the hosts and local dignitaries to their mutual benefit. These included a welcome dinner on the Monday evening at a winery restaurant, a reception hosted by the Mayor of Cape Town on Tuesday evening, a social dinner with entertainment on Thursday evening at a country restaurant and lunches provided for the workshop on Tuesday and for the C/HOD and Plenary meetings.

### **Workshop Report**

The ISO/TC204 Outreach Workshop on Tuesday October 3<sup>rd</sup> had as its purpose to inform an audience of transport professionals from South Africa on the nature of the ITS standards issues and the international ITS standards development work of ISO/TC204. The title of the Workshop was "Intelligent Solutions for Transport Challenges. The Workshop was structured with an opening session of presentations by senior guest speakers and 3 panel presentation sessions. The session titles were (1) Road and Vehicle Safety, Communications and Telematics; (2) ITS and Law Enforcement; and (3) Congestion Management, Public Transport and PT for Large Events.

The session on ITS and Law Enforcement focussed on the use of ITS to facilitate greater safety on the roads and transit systems. Dr. Lewis Sabounghi, a member of the delegation from Canada, spoke in this session. He spoke about public safety programs and some of the issues facing the use of ITS in law enforcement in North America. He stressed the need to have all relevant data available for law enforcement to be effective. The other speakers in this session included Mr. Douglas Davey, chair of the South African ITS Society (SASITS); and Dr. Young-Jun Moon (Korea). Dr. Moon stressed the importance of using ITS to gain driver compliance with road rules rather than to entrap them as rule breakers.

The Workshop attracted over 100 participants. The presentations were well received and there were a number of interventions and feedback from delegates.

### **Plenary Meeting Highlights**

The Plenary meeting is the focal point of the standards development business of ISO/TC 204. A full report of the proceedings of the Plenary can be found in the minutes and list of resolutions that will be posted on the SCC Sitescape. Only the highlights of the Plenary of direct interest to the SCC/CAC members are reported here.

The new secretariat was introduced from the Telecommunications Industry Association (TIA) of the USA. Mr. David Thompson and Tyler Messa are the staff members assigned to TC204.

There was a presentation by Mr. Arnold van Zille, Managing Director of ERTICO, on the European Galileo project and its needs for standards related to frequency, performance and

applications. The European Union is actively promoting the use of the new satellite navigation service to ensure its economic viability.

The CEN report was presented and will be posted on the TC204 website. There were few other liaison reports as most liaison persons did not travel to Cape Town.

Mr. Donggeun Choi (Korea) reported on the APEC-ISO/TC204 liaison. He reported on the project World Report on Standards for ITS. The report is now making its way through ISO for a ballot vote to approve it as a technical report (TR). He also mentioned an APEC project for a Secure Container Workshop.

David Thompson presented the Secretariat Report. The temporary TC204 website will be moved to reside at TIA and it will include convener reports. They are working to update the full member list of TC204 members by country. A document was circulated for those present to check off. Document circulation was discussed. The TC204 Work Program will be updated with a value added "living document" feature. The Business Plan needs to be updated in a new format mandated by the ISO CS. P members were reminded they are obliged to vote on all ballots.

Bob Williams reported on behalf of the Ad Hoc Strategic Planning Committee.

- He briefed members on the outcome of the meeting with the ISO CS in Geneva.
- A letter from the Chair of TC204 will be forwarded to all members recommending their attention to the APEC-ISO WRITSS report; a discussion of this item will be added to the next CHOD meeting in spring 2007.
- CEPT recommendations.
- TC22-TC204 status. TC22 is assigned lead role for HMI and all other aspects.
- A proposal from Japan for a new working group to deal with "nomadic devices" used for traffic and safety issues was presented (see document from Japan).
- Business Plan must be updated.
- Global Standards Collaboration Association (see e-mail from Russ Shields).
- APSC-Telemov.
- An ITS (Standards) Handbook was proposed (caution to not overlap with PIARC's handbook of the same name).

Dr. Kawashima HOD Japan presented the updated version of Japan's "Standard Developing Activities ISO/TC204 2006" (copies are available from the HOD Canada).

### **Resolutions**

The complete set of resolutions from the Cape Town Plenary meeting are posted on the SCC website Sitescape.

### **Report of C/HOD Meeting**

The C/HOD or Conveners/Heads of Delegation meeting took place on Thursday October 5, 2006. It consisted of progress reports from each Working Group convener. This section contains selected highlights from those Working Groups whose meetings were attended by Canadian delegates in Cape Town (WG7 and 9) plus those of high interest to CAC members (WG3, 8, 10, 14, 15 and 16). The reports by all Working Group Conveners are posted on the TC204 website.

- WG 3 Mobile Database Technology – Dr. Masao Shibata (Japan) reported:
  - Work Items underway are 17572, 20452, 17267, 24099
  - Liaison is underway with WG10, WG11 and TC211
  - WG3 has 3 resolutions for the Plenary
  - WG3 had a discussion of the TIA TC204 secretariat website services.

- WG 7 General Fleet Management & Commercial Freight – **Dr. Lewis Sabounghi (Canada)** reported:
  - DIS 17687 Monitor and track transport dangerous goods is ready for publication but is on hold in the CS in Geneva
  - CD 24533 Data structures and message sets for intermodal cargo is still on hold while field trials are conducted to verify the standard (this filed work is expected to be finished in late 2007);
  - Work on the new work item related to a multi-layered on-board cargo monitoring system that is based on the data structure in CD 24533 was reviewed in Cape Town.
- WG 8 Public Transport and Emergency – Ms. Ging Ging Liu, Rapporteur (USA) reported on behalf of the newly appointed Convener (..):
  - 24014-1 IFMS Fare management architecture has been sent for an FDIS (final) ballot but has not yet been circulated; part 2 will be subject of outreach activity before further work is done
  - 17686 TCIP and the European TRANSMODEL are being integrated into one standard TCIP for process and TRANSMODEL for data structure
  - 22951 PRESTO there is concern that PRESTO may have been deleted by CS.
- WG 9 Integrated Transport Information, Management & Control – Ted Vincent (Australia) reported:
  - DIS 14827 centre to centre was sent for publication
  - NP 15874 Data exchange involving roadside modules will be sent for CD comment by December 8<sup>th</sup>
  - NP 21707 Data quality will be sent for CD comment to all TC204 members immediately
  - PWI status for Wireless Interface at junctions will be requested by resolution
  - New work areas include evaluation of ITS, RWIS and Xml profile in 14827.
- WG10 Traveller Information Systems – Mr. Ralf Duckeck (Germany) reported:
  - Need a new convener for SWG10.6 to replace **Jackson Wang (Canada)** who resigned
  - SWG10.6 is developing a common message set for Global Xml; there are now about 50 such messages defined; tool for comparisons; Technical Report is in preparation
  - Work items underway are 14819, 14822, 14823, 18234, 24530 (last 2 are TPEG)
  - Note that Part 10 deals with weather information.
- WG 14 Vehicle/Roadway Warning and Control – Dr. Kiichi Yamada (Japan) reported:
  - WG14 met in Paris instead of Cape Town
  - Work to refine work items with acronyms ERDA, RECMS, LSF, ISIVWS continues
  - Canada is active in all work items through **Dr. Peter Burns (Canada)**
  - NP 22178 LSF is now at the CD stage.
- WG 15 DSRC – Dr. Carl-Hebert Rokitansky (Germany) reported:
  - 15628 is only active work item for the DSRC application layer; final revision (R6) released as an ISO publication
  - 15628 consensus reached to start revision process leading to new work item; no action yet (no publication and no ETSI report); will B.F. at next Plenary
  - Contact Dr. **Lewis Sabounghi (Canada)** for further information.
- WG 16 Wide Area Communications – Russell Shields (USA) reported on numerous work items for CALM including:
  - 16.0 Architecture
  - 16.1 Media (Millimetre, Infrared, Cellular, 5.9 GHz, Mobile Wireless, Interface Manager
  - 16.3 Networking (messaging manager, Internet connect, Direct mode)
  - 16.3 Vehicle probes (probe data, personal data protection, Report manager, Application manager)

- 16.5 Emergency notification (Mobile e-call, Emergency messages)
- Contact **Dr. Lewis Sabounghi (Canada)** for further information.

### **Future Meetings**

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

- United States of America – April 23-27, 2007 in Lexington, Kentucky
- Asia-Pacific – Fall 2007
- Europe – Spring 2008
- North America – Fall 2008 (Note: possibly in Canada)

For further information, contact the Head of Delegation for Canada:

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