

**ISO/IEC JTC 1/SC31**

**Working Group 4 - Radio Frequency Identification for Item Management**

**TITLE:** WG4 plenary Toronto – SG1 report

**SOURCE:** Mr. Schuessler, convenor WG4/SG1

**STATUS:** For information

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**NOTES:**

# WG 4/SG 1

# Application Interface Procotols

## Report to WG4

Rick Schuessler, Convener

June 5, 2008

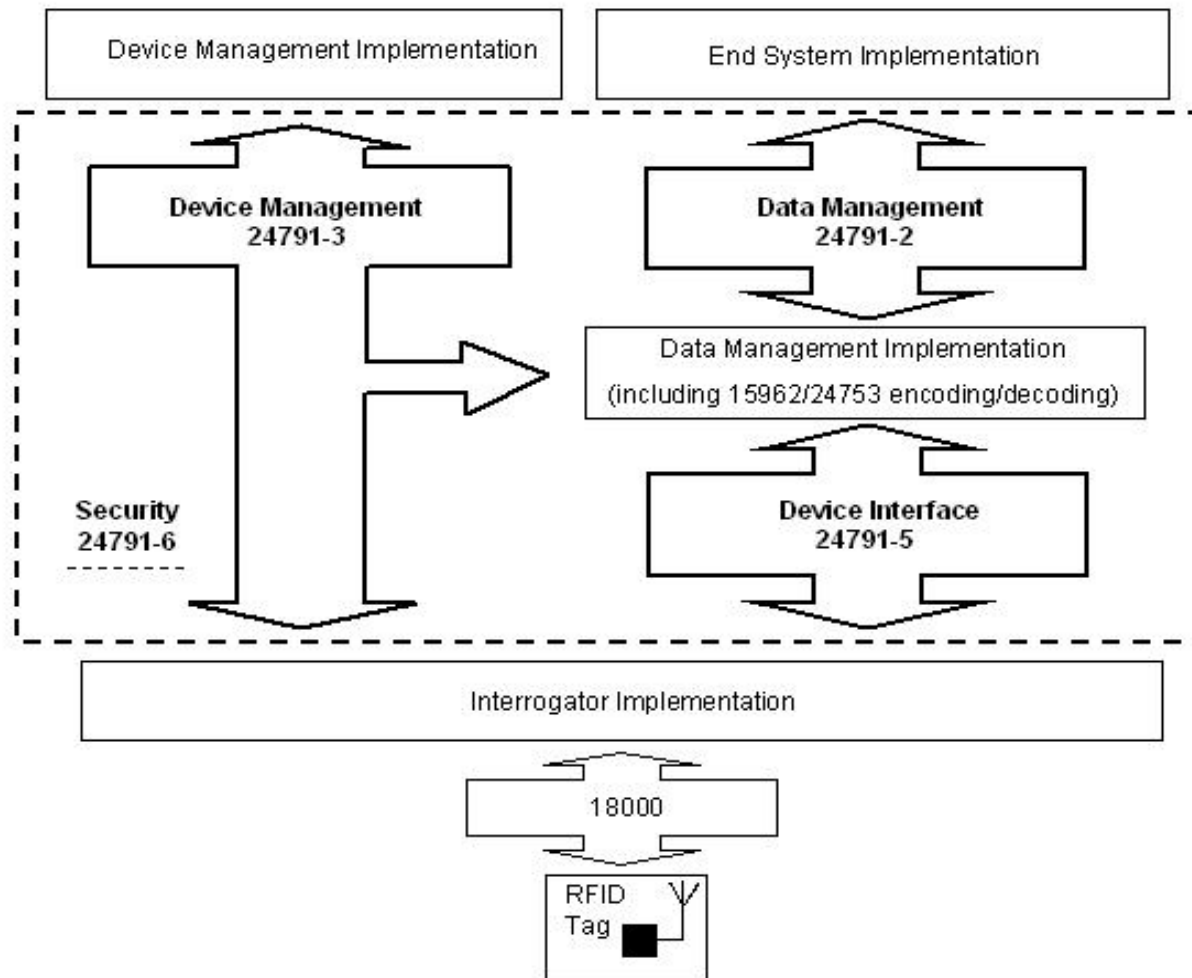
Toronto, Canada

# WG 4/SG 1 Work Projects, Overview

- **ISO/IEC 15961** *Data protocol: application interface (4 parts)*
  - PE: Paul Chartier
- **ISO/IEC 15962** *Data protocol: data encoding rules and logical memory functions*
  - PE: Paul Chartier
- **ISO/IEC 24753** *Application protocol: encoding and processing rules for sensors and batteries*
  - PE: Paul Chartier
- **ISO/IEC 24791** *Software System Infrastructure (six parts)*
  - Sr PE: Joo-Sang Park
  - PEs: Scott Barvik, Rob Buck, Masaki Ehara, Ho-Won Kim, Curtis L. Rozeboom
- **Data Constructs Steering Committee** (for AFI's)

# Work Project Interrelationships

- Note: this figure is from the 2nd CD of 24791-1



# Status: ISO/IEC 15961 and 15962

- **ISO/IEC 15962 R1** *data encoding rules and logical memory functions*
  - Adds 2 new Tag Drivers for 18000-6: Type C (Gen 2) and TOTAL
  - Adds 2 new Access Methods:
    - Tag Data Profiles (improved efficiency/air-access to Fixed-Format data)
    - Packed Objects (improved efficiency/air-access to Variable-Format data)
  - BRM completed on June 3, 2008
  - Will forward for FCD Ballot in July
- **ISO/IEC 15961-1** *Data protocol: application interface*
  - Adds Support for the new features of 15962
  - BRM completed on June 3, 2008
  - Will forward for FCD Ballot in July
- **ISO/IEC 15961-2** *Data protocol: Registration of RFID data constructs*
  - Will forward for FCD Ballot in August
- **ISO/IEC 15961-3** *Data protocol: RFID data constructs*
  - Will forward for FCD Ballot in August
- **ISO/IEC 15961-4** *Data protocol: Sensors and Batteries*
  - NP ballot Approved; WD later this year, to conform to 24753

# Status: ISO/IEC 24753

*encoding and processing rules for sensors and batteries*

- 12-month Extension JTC1 ballot passed
- Project Editor synchronizing with draft of IEEE 1451.7 (sensors for RFID)
- An issue was raised by SG3: 18000-6 FCD cannot move forward without material from 24753
- Solution: temporarily incorporate 24753 Annexes in 18000-6, replace with Ref to 24753 later
- Remaining drafting work: complete the encoding rules for Simple Sensors and Full Featured sensors
- Will progress to FCD ballot in July 2008

# WG 4/SG 1 Work Projects - 24791

- **ISO/IEC 24791** *Software System Infrastructure*
  - A six-part series
- **ISO/IEC 24791-1** *Architecture*
  - In 2<sup>nd</sup> CD ballot now
- **ISO/IEC 24791-2** *Data Management*
  - Delayed by P.E. surgery and ARO dependency
  - WG4/SG1 requests Extension, approval of new co-P.E.
- **ISO/IEC 24791-3** *Device Management*
  - proposed amendment to add Discovery and Configuration facilities from draft IETF doc, as implemented in EPCglobal's DCI draft
  - WG4/SG1 requests an extension, to allow time for these external specs to publish. We also note other alternatives (such as those presented to WG4/SG1 by Intermec and Microsoft) which may be considered at our August meeting

# WG 4/SG 1 Work Projects – 24791 (2)

- **ISO/IEC 24791-4** *Application Interface*
  - WG4/SG1 requests that this Part be withdrawn
- **ISO/IEC 24791-5** *Device Interface*
  - Ready for CD Ballot, but has dependency on EPCglobal's ARO Ballot
  - WG4/SG1 requests an Extension
- **ISO/IEC 24791-6** *Security*
  - Ready for WG4 approval to submit for CD Ballot

# SG1 Resolution needing WG4 approval, re ISO/IEC 24791-2

- WG 4/SG 1 resolves that WG 4 should request a 12-month extension to the work programme of ISO/IEC 24791-2. This extension is predicated on the need for EPCglobal to achieve Approved RS Originator Organization (ARO) status for inclusion as a Normative Reference. JTC 1 has the ARO status of EPCglobal under consideration.

# SG1 Resolution needing WG4 approval, re ISO/IEC 24791-2

- WG 4/SG 1 resolves that WG 4 should replace Joo-Sang Park with Scott Barvick as a Project Co-Editor for ISO/IEC 24791-2.

# SG1 Resolutions needing WG4 approval, re ISO/IEC 24791-3

- SC 31/WG 4/SG1 requests SC31 WG4 petition SC31 for a one-year extension of ISO/IEC 24791-3: to consider and accommodate the EPCglobal Discovery Configuration and Initialisation and the Internet Engineering Task Force Multicast DNS (mDNS) and DNS Services Discovery (DNS-SD).

# SG1 Resolutions needing WG4 approval, re ISO/IEC 24791-4

- WG 4/SG 1 resolves that WG 4 should request that Work Item ISO/IEC 24791-4 (Application Interface) be withdrawn. It is the opinion of WG 4/SG 1 that the marketplace is not yet ready for Work Item ISO/IEC 24791-4

# SG1 Resolutions needing WG4 approval, re ISO/IEC 24791-5

- WG 4/SG 1 resolves that WG 4 should request a 12-month extension to the work programme of ISO/IEC 24791-5. This extension is predicated on the need for EPCglobal to achieve Approved RS Originator Organization (ARO) status for inclusion as a Normative Reference. JTC 1 has the ARO status of EPCglobal under consideration.
- Noting that this extension may not prove necessary, we also ask approval of our Resolution from January 2008, if the ARO status is quickly resolved : “SC31/WG4/SG1 recommends that SC31/WG4 request the SC31 Secretariat to register and submit ISO/IEC 24791-5 for CD Ballot.”

# SG1 Resolutions needing WG4 approval, re ISO/IEC 24791-6

- From our January meeting: “SC 31/WG 4/SG1 reaffirms an ad hoc group to continue developing the ISO/IEC 24791-6 for a substantially revised Working Draft and advancement to CD status as soon as possible.”
  - Note: The 24791-6 WD was discussed by WG4/SG1 this week and was deemed ready for advancement to CD status

# 2008 WG4/SG1 Meeting Schedule

- January 15-17, 2008, Clearwater Beach
  - (in conjunction with WG2 and WG4)
- June 2-3, Toronto
  - (in conjunction with WG4 and SC31 Plenary)
- August 21/22, Pittsburgh, USA
  - (in conjunction with WG4/SG3 and WG3/SG1)
- November 13/14, Switzerland
  - (in conjunction with WG4/SG3 and WG3/SG1)
- December or January: 15961/62 BRMs
  - By electronic means