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Subject:                      ISO TC184/SC5/WG1 meeting in Berlin, 2008-05-19/22

## Meeting Report

### **Objectives:**

- Review reports and liaison activities related to active and proposed projects
- Review progress on draft for ISO 11345 project lead by CEN (Manufacturing Enterprise Process Interoperability)
- Review progress of draft for ISO 15704 revision project resulting from systematic review
- Review progress on ISO 27387 System integration - Reference for process modeling methods: Part 1 Characterizing process modeling common concepts
- Engage in discussion on harmonization of ISO 42010 and ISO 15704 in joint meeting with JTC1/SC7/WG42
- Review and discuss taxonomy for SC5 terms and related harmonization efforts
- Discuss promotional efforts and preparation of reference brochure

**Participants:** The meeting was attended by 7 people representing 7 countries: China (1), France (1), Germany (2), UK (1), USA (2).

For the ISO/JTC1 meeting on 2008-05-20/21 about 10 members of SC7/WG42 joined in the discussion on harmonisation of ISO 42010 and ISO 15704. P. Bernus and N. Ovidiu from Brisbane University, Australia participated in the discussion via phone.

### **Inputs:**

WG1 Overview and Work Plan, Minutes of last mtg. (Vienna, Austria),

ISO/WD04 27387 System Integration Using Process Modeling Methods Consistent with a Reference Methodology - Part 1: Characterizing Process Modeling Common Concepts  
Part 2: Reference methodology document draft Part 3: Verifying process model integration

ISO/IEC WD0a 42010 – Systems and Software Engineering – Architectural Description

ISO/WDa 15704 – Industrial automation systems – Requirements for enterprise-reference architectures and methodologies (revision draft)

CEN/ISO/WDv5.3 11354 - Requirements for establishing manufacturing enterprise process interoperability: Part 1 Framework for Enterprise Interoperability

(all documents available at [http://forums.nema.org/~iso\\_tc184\\_sc5\\_wg1](http://forums.nema.org/~iso_tc184_sc5_wg1))

### **Reports by members:**

R. Martin on activities with INCOSE (Intern. Council on System Engineering) were he presented our work to the INCOSA Architecture working group in a special workshop on Architecture. The following discussion on the proposal for a user oriented publication presenting the content of WG1 standards recognised the sufficiency of available material to start the effort. An alignment with the 'Big Picture' effort in SC5 should be made. K. Kosanke on EU Initiatives ATHENA and INTEROP. Both projects have been completed and their follow-on organisations (EIC and VLab) established. Collaboration with both

organisations is feasible due to multiple memberships. Such collaboration is also envisioned with the IFIP Working Group 5.2 on Enterprise Interoperability. A paper on Interoperation – the Standards View by K. K. Kosanke and R. Martin promoted our work in the workshop on Standardisation in the course of the I-ESA '08 conference held in Berlin, 2008-03-25/28.

#### **Discussions and Conclusions:**

**Harmonisation of ISO 42010 and ISO 15704, Joint mtg. with WG42:** both working groups presented the concepts underlying their standards. Discussions centred on Stakeholder (identification of the concerns to be captured by the architecture) and Viewpoint (defining rules and guidelines for model views). For both concepts common definitions have been defined. Both will be introduced in the new version of ISO 15704 making it conforming to ISO 42010 the SC7 Architecture Description standard.

**SC5 Vocabulary:** additional feedback has been received from the SC5 workgroup editors as well as some comments on the consolidated version. The latest version has been briefly discussed. It will be updated by K. Kosanke, with the meeting results on ISO 42010 and 11354 and submitted to SC5 or publication.

**ISO 15704 systematic review:** the draft document based on inputs from members and consolidated by R. Martin has been reviewed and the updated version will be distributed to all members for further comments. The intention is to produce a CD at the next mtg.

**ISO 27387 on system integration using process modeling methods consistent with a reference methodolog:** parts 1, 2 and 3 have been presented by the editor and discussed.

**CEN/ISO 11354 WD Requirements for establishing manufacturing enterprise interoperability – Part 1 Framework for enterprise interoperability:** The draft document created at the CEN TC 310/WG1 meeting in Berlin, 2008-03-24/25 has been reviewed by members and consolidated by D. Shorter. This document has been reviewed by the group and the CD will be submitted to BSI for ballot in both CEN and ISO.

The next WG1 meeting is planned to be held in Monterrey, Mexico, 2008-11-10/12.