



CIMOSA - News

Editor: Martin Zelm, Gehenbuehlstr. 18A, D-70499 Stuttgart, martin.zelm@cimosa.de

The CIMOSA - News is published by the CIMOSA Association. The CIMOSA News reports on CIMOSA applications, evolution of its technical specification, advancements in standardisation and related items. Contributions from other parties are welcome. The CIMOSA - News will be printed periodically and is also available in the Internet at <http://www.cimosa.de>.

INTEROP-VLab

INTEROP-VLab has emphasized its work in the ongoing development of the *scientific agenda*, that intends to aggregate research labs in connection with industry via a knowledge repository and an eLearning platform. I-VLab has also contributed to the further elaboration of the Roadmap for Enterprise Interoperability of the European Commission by actively participating in the last Cluster meeting in Brussels on 2009-02-19.

Research results on interoperability have been disseminated by participating in the ICT Event 2008 in Lyon, 2008-11-25/27 with a promotion booth and with organising the networking session, 'A vision for enterprise and e-Gov interoperability'. It was concluded that interoperability between enterprises and with regulators/government will be enabled via collaboration services including semantic, knowledge enriched WEB services. In the education domain, a review of the I-VLab e-Learning courses, commonly with IFIP WG 5.8 was conducted. In the area of Standards we participated in the eBif Conference in Utrecht, NL, 2008-12-8/9 with a presentation 'Interoperability standards and education – a critical issue for enterprises', which initiated contacts with the DG Enterprise of the European Commission.

The regional I-VLab poles have initialised regional activities. The Spanish pole is participating in a project located in the Valencia region that connects universities, technology developers and end users in an interoperability net for networked organisations –. The German Pole DFI is organising an industry oriented workshop with researchers and practitioners interested in interoperability that will be held in cooperation with the University of Applied Sciences Konstanz, Germany on 2009-04-02. This workshop 'Interoperability for productivity in the marketing process' is focusing on strategic information exchange between product development and marketing based on business process models. Further results or links

to documents can be found in Newsletter #4 on the VLab portal (<http://www.interop-vlab.eu>).

EFFORTS

The European project EFFORTS has defined its key processes with 5 Domains and 32 Domain Processes covering technical, business and administrative areas in the port operations. These processes are documented in the EFFORTS Process Modelling Platform that provides access to the generic process information relevant to port operations and serves as a library for the ports to compare them with and to adapt to their own operation.

Work on the enterprise modelling methodology continues focussing on the modelling life cycle, titled EFFORTS Roadmap consisting of two phases. The first phase addresses both business and technical process models that are defined using CIMOSA and the EPC tool from INTERFACING Technologies. The second phase is concerned with the Specification Model e.g. the so called Procedure Model, a transaction model using UMM and an information model in XMI employing the Enterprise Architect modelling tool from Sparx Systems. The model is following the ISO 28005 standard titled 'Ships and marine technology - Computer applications - Electronic port clearance'. For additional information contact ISSUS, the Institute of the Hamburg University of Technology, Germany. Project details at www.efforts-project.org.

EE&I Standardisation

MES Initiative The VDMA/DIN Study Group on Manufacturing Execution Systems (MES) has produced a draft document VDMA 66412-1, titled 'MES Performance indicators', which is distributed for comments in Germany. The document intends to relate Key Performance Indicators (KPIs) and their parameters with the corresponding data models and enterprise processes. As the core, a relational information reference

model will be developed that enterprises can adapt to their individual needs.

An excerpt of the KPI document containing just the list of 21 KPIs identified by Germany has been presented in ISO TC 184 SC5 at a meeting in Frankfurt on 2009-03-18 for experts review in the interested countries. Further the KPI excerpt has been distributed to IEC SC65E JWG5 for comments. Indeed, IEC/ISO 62264 identifies in Part 3 KPIs for Production, Quality, Inventories and Maintenance which should be consistent with the above defined ones. The next meeting of the study group will take place at VDMA Frankfurt, 2009-04-30. For additional information contact Robert Patzke (robert.patzke@mfp-online.de).

CEN TC310/WG1 meeting, Frankfurt 2009-02-26. Objective: Review first version of committee draft for CEN/ISO 11354 'Requirements for establishing Manufacturing Enterprise Process Interoperability (MEPI)' Part 2: 'Requirements for ICT-enabled Enterprise Interoperability'. Discussions and conclusions: The structure of the document has been discussed and a new structure for the requirement section has been proposed. A new version of the Part 2 document will be prepared by the convenor, David Shorter, to be presented in the forthcoming ISO TC 184 SC5/WG1.

ISO TC184 SC5/WG1 meeting, Monterrey 2008-11-10/14. Following the last meeting the CD of the reviewed ISO 15704 'Reference-base for enterprise architectures and models' has been finalised and submitted for ballot. Ballot results will be reviewed at the meeting in Paris, 2009-04-27/29.

IEC/ISO JWG5. Reviewing and restructuring the four parts of ISA S95 that preceded IEC/ISO 62264 is continuing. Comments on Part 1 CDV04 'Models and Terminology' and Part 2, CDV01 'Objects and Attributes for Enterprise- Control System Integration', many coming from Jean Vieille, France, have been discussed but not yet completely resolved. In Part 1, critical issues arise with the terminology of the formal definition of models, and what has to be put into the standard versus what is informative and belongs into the annex. Further, the description of process segment should not be limited to production, but be more generic comprising the total enterprise horizon.

The comments in Part 2 concern the version attribute, location, use of resource (consistency in the parts of the standard) , hierarchy of personnel models and hierarchical classes, a coherent defini-

tion of the material model as well as of segment parameters and data to be reflected in the model execution. The overall goal is to achieve consistency through all parts of the standard as well as to put only generic concepts into the standard and to place application examples as complementary information into the annex.

Upcoming Events

- I-ESA 2009, 'Promoting collaboration of enterprises through Enterprise Interoperability, to link China with Europe and with the World', Beijing, China, 2009-04-21/23, <http://www.i-esa.org.cn>
- ICEIS-2009, 11th International Conference on Enterprise Information Systems, Milan, Italy 2009-05-6/10, <http://www.iceis.org>
- INCOM 2009, 13th IFAC Symposium on in Manufacturing Information Control Problems, Moscow, Russia, 2009-06-03/05, <http://incom09.org>
- ICE, Conference on 'Collaborative Innovation: Emerging Technologies, Environments and Communities', with the 1st ICEIMT'09 Pre-Workshop, 2009-06-22/24, Leiden, The Netherlands, www.ice-conference.org,
- CIE39, International Conference on Computers & Industrial Engineering, 2009-07-6/8, Troyes, France, www.utt.fr/cie39
- APMS, IFIP WG 5.7 Conference on Advances in Production Management Systems, Bordeaux, France, 2009-09-21/23, www.ims-bordeaux.eu/apms2009
- PRO-VE'09, 10th IFIP Working Conference on Virtual Enterprises, Thessaloniki, Greece, 2009-10-7/9, www.pro-ve.org
- IWEI'2009, Second IFIP WG 5.8 International Workshop on Enterprise Interoperability, Valencia, Spain, 2009-10-13/14 www.iwei.info
- EI2N'2009, 4th IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking, with 2nd ICEIMT'09 Pre-Workshop, Vilamoura, Portugal, 2009-11-03/04, www.tc.ifac-control.org/
- ICEIMT'09, Intern. Conference on Enterprise Integration and Modelling Technology, Bled, Slovenia, 2009-12-1/4, P.Bernus@griffith.edu.au

The CIMOSA Association (COA) is a non-profit organisation involved in promotion and European and international standardisation of Enterprise Engineering and Integration.