



## **CIMOSA - News**

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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**

Membership of the INTEROP-VLab with eight pole members representing 71 partner organisations from Europe and China currently comprises more than 300 researchers working on interoperability issues. Many of the research results and applications in the Enterprise Interoperability domain are equally applicable, for example, in e-government. This is also becoming a focal point in the VLab participation in international events (see list of events below) VLab will organise special sessions and exhibitions like in Lyon a session titled 'A Vision for Enterprise and e-Gov Interoperability for 2020', in Rome, Italy a session titled 'Enterprise / Administration Interoperability and local development', in Utrecht a presentation 'Interoperability standards and education - a critical issue for enterprises' In addition through FP 7 project proposals, funding with the Marie-Curie research training network has been sought, as well as infrastructure funding to allow to continue and expand networking activities for members and partners.

For further details see Newsletter #4 on the VLab portal (<http://www.interop-vlab.eu>).

### **MES initiative**

Created by the German Association of machine tool builders (VDMA) and the German Standards Organisation (DIN), the initiative on Manufacturing Execution Systems (MES), NA 060 30-0503 brings together providers and end users of MES to establish a roadmap relating Performance Indicators (PIs) and their parameters with the corresponding data models and enterprise processes and hence, to resolve enterprise integration issues. The roadmap has been proposed as a New Work Item in ISO TC 184 SC5.

To date a total of 32 PIs have been identified, discussed, grouped and documented in several sessions, using the categories Personal (7 PIs), Production (15PIs) and Quality (10 PIs). For

more information contact [mei-nolf.groepper@vdma.org](mailto:mei-nolf.groepper@vdma.org)

### **EFFORTS**

Project cargo is a novel business area in the global logistics industry. The European project EFFORTS continues work on a generic enterprise modelling methodology to resolve complex seaport management issues in a systematic way. The characteristics of individual processes and the complexity of planning and implementation make this field very attractive and challenging. A customisable reference process is therefore essential for successful planning and operation of project cargo. Coordinated by ISSUES an Institute of the Technical University Hamburg, Germany, a reference model consisting of 5 Domains and 32 Domain Processes has been developed. The domain names are: Marine, Infrastructure and Resources, Logistics, Interface to Non-Port and Public. An overview of the reference model and the Domain processes can be found at <http://pmp.efforts-project.org/?page=showOverview>

The methods: CIMOSA (<http://www.cimosa.de>) for modelling and the Enterprise Process Centre (EPC) for the IT implementation (<http://www.interfacing.com>), will enable the logistics service providers, to create the guideline for their works. The operational model provides various benefits, for example, fast introduction to new employees when handling project cargos, checklists for planning and implementation of solutions, guidelines for the shipment as well as system integration of necessary modules with company-based software

Further details at [www.efforts-project.org](http://www.efforts-project.org) .

### **BOOK Review: Active Knowledge Modelling for Enterprises**

This book combines the three methodologies: Enterprise Modelling, Knowledge Representation&Management and Enterprise Integration

and advocates an innovative approach to holistic systematic engineering. Developed in cooperation of researchers and industrial practitioners within several European projects, Active Knowledge Modelling (AKM) facilitates both life cycle management and the operation of knowledge representations. The AKM developers have created a comprehensive reference for anyone coping with the demands and challenges of IT supported enterprise management in the knowledge economy. AKM Methodology is recommended reading for industrial engineers, information system engineers and consultants in collaborative enterprise re-engineering. The book also provides a valuable insight into the industrial state of the art and provides description of a number of pilot applications.

F. Lillehagen, J. Krogstie: Active Knowledge Modelling for Enterprises, ISBN 978-3-540 79415-8, Springer Verlag 2008

### **1<sup>st</sup> International Workshop on Enterprise Interoperability - IWEI 2008**

The workshop was organised by the IFIP Working Group 5.8 on Enterprise Interoperability and was held in Munich, on 2008-09-18, as part of the 12<sup>th</sup> IEEE International Enterprise Computing Conference (EDOC 2008). A total of 9 papers have been presented during the workshop, which addressed the themes Ontologies and semantic web, service-orientation, inter-organisational interoperability and maturity models. Proceedings are available: M. van Sinderen et al (Eds.) part of the CTIT workshop proceedings series WP08-05 (ISSN 1574-0846), Enschede 18.09.2008. A summary has been published on [www.cimosa.de](http://www.cimosa.de).

### **EE&I Standardisation**

**ISO TC 184 SC5/WG1** meeting, Berlin, 2008-05-19/22, major points: i) joint meeting with JTC1/SC7/WG42 was held to harmonise terminology of the two standards ISO 42010 and ISO 15704. ii) The SC5 Vocabulary has been reviewed and after update will be published on the SC5 web page for use by SC5 editors. iii) The systematic review of ISO 15704 has been started. A CD will be produced at the next meeting. iv) ISO 27387 system integration using process modeling methods consistent with a reference methodology has been reviewed and the CD will be submitted for ballot. v) CEN/ISO 11354 Requirements for establishing manufacturing enterprise interoperability – Part 1 Framework for enterprise interoperability: The draft has been

reviewed and the CD will be submitted for ballot. Next meeting to be held in Monterrey, Mexico 2008-11-10/12.

**IEC/ISO JWG5.** Restructuring of [the four parts of ISA S95 preceding IEC/ISO 62264](#) is ongoing. Other key activities commonly with ISA SP95: provide examples from industry areas other than manufacturing. Merge the role based equipment model and the physical asset model into a more generic resource model. Resolve conflicts between models in the ISA standards S95 and in S88. Further, elaborate a Common Industrial Interface Model, starting with a 7 layer OSI model and consider existing specifications. **DKE**; the German mirror committee of IEC has published the first two parts EN 62264-1:2008 and EN62264-2:2008 .

### **Upcoming Events**

- 3<sup>rd</sup> International Workshop on Enterprise Integration, Interoperability and Networking (EI2N'08) Monterrey, Mexico, 2008-11-12/13, <http://www.cs.rmit.edu.au/fedconf>
- ICT 2008, European conference on ICT technologies for the future, Lyon, France, 2008-11-25/27 [http://ec.europa.eu/information\\_society/events/ict/2008/index\\_en.htm](http://ec.europa.eu/information_society/events/ict/2008/index_en.htm)
- eBIF 2008 Conference on “*e-Business interoperability practice: examples, impacts and standardization challenges*”, Utrecht, the Netherlands, 2008-12-8/9, <http://www.cen.eu>
- 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>
- SIMUTools 2009, Second International Conference on Simulation Tools and Techniques, Rome, Italy, 2009-03-2/6, <http://www.simutools.org>
- 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>

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