



*Interoperability Challenges in E-Health and
An Australian Solution Approach*

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ABSTRACT

This talk describes an approach used to address interoperability issues in the Australian e-health environment. The Australian health system has a specific institutional structure and funding model involving a combination of federal, state, territory and local government jurisdictions along with the private sector. This arrangement requires a thorough understanding of legislation, regulation and other policies, as well as governance models and the collaborative nature of healthcare businesses to inform the building of interoperable and sustainable IT systems. The aim is to provide better, safer and more efficient service delivery than what current silo-based approaches deliver. Our approach makes use of the ISO ODP family of standards, including the ODP enterprise language standard as a conceptual basis for addressing diversity, richness and evolvability of such a complex system, embracing both human actors and IT systems. The ODP Enterprise Language provides core concepts for describing the organisational context for e-health systems, while the ODP-RM architecture framework allows for the description of various e-health stakeholders' concerns, from organisational, information and technical perspectives. Further value of the standard comes from rigorous conformance and compliance guidelines. The talk will identify a number of interesting research topics in the area.

SPEAKER

Dr Zoran Milosevic is a Principal of Deontik Pty Ltd, a consulting company specializing in the modeling of business processes, business policies and business rules and developing enterprise architectures for large systems. Zoran also has a part-time role as a Manager of Interoperability Framework Initiative in the National e-health Transition Authority (NEHTA). In the past Zoran was a Principal Scientist at Distributed Systems Technology Centre (DSTC). He has been actively involved in developing ISO, OMG, OASIS LegalXML and ebCML standards. Zoran is the founder of IEEE's Enterprise Distributed Object Computing (EDOC) conference and a frequent speaker at many international events. He has published more than 60 research papers in international journals and conference proceedings.