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Software engineering standards for agents.

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resumen:

Software engineering needs an underpinning theory and software standards need a solid basis if they are to be useful. Here we discuss recent and current standardization projects in both the Object Management Group (OMG) and the International Organization for Standardization (ISO) that focus on metamodels and modelling languages. In particular, we describe the recent ISO standard ISO/IEC 24744 that is a methodology metamodel an ongoing initiatives in the context of object and agent modelling languages – and their interlinking. We discuss not only the technical details but also the process by which standardization occurs.

sobre Brian Henderson-Sellers:

Brian Henderson-Sellers is a distinguished researcher at the forefront of international research, having been at the leading edge of software engineering (SE), and specifically SE methodologies and conceptual modelling, for over two decades. He has an outstanding research track record with over 600 publications, many with high citations and industry recognition. His work has been pioneer in several aspects of software engineering: the first OOIS/SE methodology paper (1990); first to suggest (1994) use of a metamodel to bring together the many (~20) notations of the early OO approaches; major submission to OMG of modelling language (1996); first Situational Method Engineering (SME) repository of method fragments (1996); first to use of SME in agent-oriented methods (2002); first ontological analysis of UML (2002); first combination of SME, capability assessment and methodology in OOSPICE project (2004); first use of powertypes in SE metamodels (2006); and first book on metamodelling in SE (2008).