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Applying ISO RM-ODP in the Specification of CORBA® Interfaces and Semantics to General Ledger Systems


| Chapter

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Behavioral Specifications of Businesses and Systems

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 Part of the book series: [The Springer International Series in Engineering and Computer Science](#)
((SECS, volume 523))

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Abstract

This chapter describes how the ISO Reference Model of Open Distributed Processing (ISO RM-ODP) was successfully used in the specification of an internationally agreed standard for software interfaces to the General Ledger component of Financial Accounting business systems. This standard, called the General Ledger Facility, is currently in the latter stages of formal adoption by the Object Management Group (OMG) and will become part of its global CORBA

standard. Technology submissions to OMG typically represent only a fragment (with minimal emphasis on semantics) of the ISO RM-ODP Computational Viewpoint. In some cases, these can be incomplete and difficult to understand, particularly if the reader is not familiar with the default assumptions surrounding the subject matter. The approach described was used to enhance understandability and precision in support of the goals of creating long-lived and widely applicable domain specifications. The OMG General Ledger Facility specification incorporates all five RM-ODP viewpoints: Enterprise, Information, Computational, Engineering and Technology.

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About this chapter

Cite this chapter

Hassall, J., Eaton, J. (1999). Applying ISO RM-ODP in the Specification of CORBA® Interfaces and Semantics to General Ledger Systems. In: Kilov, H., Rumpe, B., Simmonds, I. (eds) Behavioral Specifications of Businesses and Systems. The Springer International Series in Engineering and Computer Science, vol 523. Springer, Boston, MA. https://doi.org/10.1007/978-1-4615-5229-1_7

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DOI	Publisher Name	Print ISBN
https://doi.org/10.1007/978-1-4615-5229-1_7	Springer, Boston, MA	978-1-4613-7383-4

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