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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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## 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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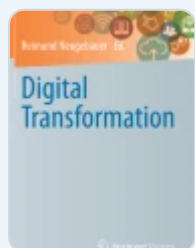
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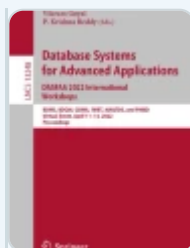
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## References

[IS096a] ISO/IEC, “ISO/IEC 10746-1 Information Technology-Basic reference model of Open Distributed Processing-Part 1: Overview” ISO ITU-T X.901-ISO/IEC DIS 10746-1,1996

[Google Scholar](#)

[IS096b] ISO/IEC, “ISO/IEC 10746-2 Information Technology-Open Distributed Processing-Reference Model: Foundations”, 1996

[Google Scholar](#)

[ISO96c] ISO/IEC, “ISO/IEC 10746-3 Information Technology-Open Distributed Processing-Reference Model: Architecture”, 1996

[Google Scholar](#)

[ISO96d] ISO/IEC, “ISO/IEC 10746-4 Information Technology-Open Distributed Processing-Reference Part 3: Architectural semantics”, 1996

[Google Scholar](#)

[IASC98] International Accounting Standards, 1998-ISBN 0 905625 56 0

[Google Scholar](#)

[OMGGL98] OMG General Ledger revised submission:omg.org-finance/98-12-03 and finance/99-02-01

[Google Scholar](#)

[LVM63] Ludwig Von Mises, Human Action: A Treatise on Economics, Regnery, 1963.

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