


[Home](#) > [Behavioral Specifications of Businesses and Systems](#) > Chapter

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

| Chapter

| pp 91–103 | [Cite this chapter](#)


 [Save chapter](#)


[View saved research](#) >



[Behavioral Specifications of Businesses and Systems](#)

[Jack Hassall](#) & [John Eaton](#)



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

 123 Accesses  1 Citation

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 insupport of the goals of creating long-lived and widely applicable domain specifications. The OMGGeneral Ledger Facility specification incorporates all five RM-ODP viewpoints: Enterprise, Information, Computational, Engineering and Technology.

 This is a preview of subscription content, [log in via an institution](#)  to check access.

Access this chapter

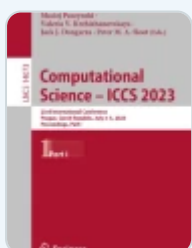
Log in via an institution →

[Institutional subscriptions](#) →

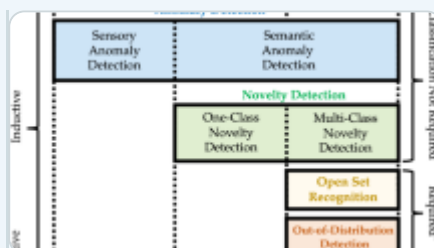
Preview

Unable to display preview. [Download preview PDF.](#)

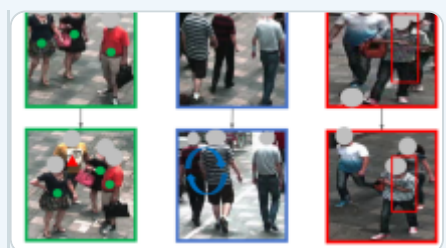
Similar content being viewed by others



Combining Outlierness Scores and Feature Extraction



Generalized Out-of-Distribution Detection: A



Multi-granularity cross-modal representation for occlusion-invariant group re-

Explore related subjects

Discover the latest articles, books and news in related subjects, suggested using machine learning.

[Data Storage Representation](#)[Database Management System](#)[Register-Transfer-Level Implementation](#)[Standardization](#)[Standards](#)[Special Purpose and Application-Based Systems](#)[Governance Mechanisms in Interorganizational Relationships](#)

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
- [IS096b] ISO/IEC, “ISO/IEC 10746-2 Information Technology-Open Distributed Processing-Reference Model: Foundations”, 1996
- [ISO96c] ISO/IEC, “ISO/IEC 10746-3 Information Technology-Open Distributed Processing-Reference Model: Architecture”, 1996
- [IS096d] ISO/IEC, “ISO/IEC 10746-4 Information Technology-Open Distributed Processing-Reference Part 3: Architectural semantics”, 1996
- [IASC98] International Accounting Standards, 1998-ISBN 0 905625 56 0
- [OMGGL98] OMG General Ledger revised submission:omg.org-finance/98-12-

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

Author information

Authors and Affiliations

Stanford Software International, The Hollygate, Chestergate, Stockport, Cheshire, SK3 OBD, UK

Jack Hassall & John Eaton

Editor information

Editors and Affiliations

Genesis Development Corporation, USA

Haim Kilov

Technische Universität München, Germany

Bernhard Rumpe

IBM T J Watson Research Center, USA

Ian Simmonds

Rights and permissions

[Reprints and permissions](#)

Copyright information

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

[.RIS↓](#) [.ENW↓](#) [.BIB↓](#)

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

Online ISBN	eBook Packages
978-1-4615-5229-1	Springer Book Archive

Keywords

[Trade Creditor](#)

[International Standard Organisation](#)

[Invariant Schema](#)

[Object Management Group](#)

[International Account Standard](#)

These keywords were added by machine and not by the authors. This process is experimental and the keywords may be updated as the learning algorithm improves.

Publish with us

[Policies and ethics](#) 

Search

Search by keyword or author



Navigation

[Find a journal](#)

[Publish with us](#)

[Track your research](#)

