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Unified Ordering Model (UOM)

Volume II - Analysis

For Access Service Ordering Guidelines (ASOG)

Version 65

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Table of Contents

1 UOM Documentation

The document, Unified Ordering Model Volume II – Analysis, (UOM-ASR Volume II) is part of a set of documents that provides an end-to-end structured systems engineering approach to perform the analysis related to unified ordering via electronic interfaces. This document provides the analysis of the detailed business and systems' requirements for an ordering model. It describes the information model and the behavioral model with the intent that service providers, customers, and their vendors understand how the data, business rules and systems rules work together with the behavior of the data and rules. Because of the level of complexities inherent in such an electronic ordering model, Unified Modeling Language (UML) tools by MyEclipse™ have been used to develop this volume. UOM-ASR Volume II utilizes UML for descriptive purposes and in some instances may not strictly adhere to existing UML specifications.

The intent of Unified Ordering Model (UOM) is to develop a complete set of system documentation using an end-to-end structured methodology. The scope of UOM encompasses business requirements, analysis, design, and implementation. Logically, these components are defined within the UOM in four volumes.

UOM-ASR Volume I - Business Requirements

This document describes the business requirements. This volume includes a high-level overview of the three primary processes in ordering: pre-ordering, service request, and post-confirmation activities. It also includes more detailed information in the use cases and activity diagrams. Two appendices include the data dictionary and the functional data matrix. The UOM-ASR Volume I is focused on ordering for access services only. As other services are added in the future, additional Volume I documents may be developed. The OBF Ordering Solutions Committee/Access Service Ordering Subcommittee maintains the UOM-ASR Volume I document.

UOM-ASR Volume II - Analysis

This analysis document provides the logical view of the business requirements stated in Volume I. The primary sections include the information model, sequence diagrams, and behavior model. Both the informational and behavioral models are described using the Unified Modeling Language (UML). UOM-ASR Volume II utilizes UML for descriptive purposes and in some instances may not strictly adhere to existing UML specifications. The UML provides the notation used within Volume II. Because of the level of complexities inherent in such an electronic ordering model, unified modeling language tools (MyEclipse™) have been used to develop this Volume II. Some additional requirements are included in Volume II in order to accommodate fundamental aspects of ordering services via electronic interexchange. Volume II is not specific to any particular technology or protocol. If additional Volume I documents are developed, this Volume II may need to be expanded to address additional requirements. The OBF Ordering Solutions Committee/Access Service Ordering Subcommittee maintains UOM-ASR Volume II.

UOM-ASR Volume III - Design

The logical view of the proposed resolution (model), created in the Analysis Phase, is translated into the language appropriate for the selected implementation technology. The first technology selected is XML; therefore UOM-ASR Volume III includes appropriate XML schemas related to unified ordering. This document does not specify a particular protocol as it is assumed that the trading partners will determine the appropriate transport protocol. It may be necessary to repeat the Design Phase when more than one implementation technology is selected. The OBF Ordering Solutions Committee/Access Service Ordering Subcommittee maintains UOM-ASR Volume III.

UOM-ASR Volume IV - Implementation

This document includes implementation specifications that must be addressed before the system specifications can be realized using the selected implementation technology. In addition, a sample Joint Implementation Agreement (JIA) may be included as an appendix for trading partners to use as a starting template. As with the *Design Phase*, the *Implementation Phase* may also have to be repeated in order to