



ATIS STANDARD

ATIS-0404110-0030

**Unified Ordering Model - Access Service Request
(UOM-ASR)**

Volume I

Business Requirements

For An

Electronic Ordering Interface



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Unified Ordering Model - Access Service Request (UOM-ASR) – Business Requirements for an Electronic Ordering Interface

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

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UOM-ASR VOLUME I ASOG V55 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I ASOG V55 CHANGES - ISSUES INCLUDED IN THIS SYNOPSIS	
ISSUE NUMBER	DESCRIPTION

ISSUES ASSOCIATES WITH ASOG V55	
ISSUE NUMBER	DESCRIPTION
3561	ASOG: Modify RUID and EVCI fields to clarify on Disconnect orders
3562	ASO-RG: Review ASO-RG to Identify the Appropriate Placement of Substantive Documentation
3569	ASOG: Review the Frequency of ASOG Releases (Withdrawn)
3570	UOM-ASR: Remove references for Customer Initiated Jeopardy from UOM Vol II
3571	ASOG: Update Practice025 (ECI)
3572	ASOG: Remove references to the BANC process from the ASOG

UOM-ASR VOLUME I ASOG V55 SYNOPSIS OF CHANGES

The following table depicts the type of change category definitions:		
TYPE OF CHANGE	=	CATEGORY DEFINITIONS
NEW	=	Adding a new field
REM	=	Removing an existing field
FN	=	Field/Tag name change (e.g., EXEMPT REASON changed to ER)
FORMAT	=	Field format change (e.g., moved to another section of the form, etc.)
DEF	=	Definition change
DEFN	=	Definition notes addition, change, deletion
VE	=	Valid entries addition, change, deletion
VEN	=	Valid entry notes addition, change, deletion
USE	=	Usage statement change
USEN	=	Usage notes addition, change, deletion
DC	=	Data characteristics change (e.g., change from numeric to alpha/numeric)
DCL	=	Data characteristics length change
DCN	=	Data characteristics note addition, change, deletion
EX	=	Example addition, change, deletion
EXN	=	Example notes addition, change, deletion
FORM	=	Changes made to the ASR forms (i.e., additions, rearrangements, field length changes or deletions of fields)
GLOSSARY	=	Identifies changes within the glossary sections (i.e., additions or deletions of fields)
TEXT	=	Identifies changes within the text of a section (i.e., additions or deletions of fields)

UOM-ASR VOLUME I ASOG V55 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I – SYNOPSIS OF CHANGES FOR ASOG V55					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
NOTES: There were no Issues impacting UOM – Volume I for ASOG V55. The following non-substantive global changes were made to the document: <ul style="list-style-type: none">• Change all ASOG 54 to ASOG 55; Version 54 to Version 55; Issue 29 to Issue 30• Change ATIS document number from ATIS-0404110-0029 to ATIS-0404110-0030• Update Issue Date					

Table of Contents

<u>SECTION</u>	<u>PAGE</u>
TABLE OF CONTENTS	1
TABLE OF FIGURES	2
1 INTRODUCTION TO UOM	4
2 UML	6
2.1 INTRODUCTION.....	6
3 UOM-ASR	6
3.1 UOM-ASR BUSINESS REQUIREMENTS PROCESS.....	8
4 UOM-ASR HIGH LEVEL PROCESS OVERVIEW	9
4.1 UOM-ASR FUNCTIONAL STEPS	11
4.1.1 <i>Description:</i>	12
4.1.2 <i>Process Steps (an example):</i>	12
5 INTRODUCTION TO UOM-ASR PROCESS STEPS	14
5.1 UOM-ASR PRE-ORDERING ACTIVITIES	14
5.2 UOM-ASR SERVICE REQUEST PLACEMENT ACTIVITIES (SINGLE PROVIDER).....	15
5.3 UOM-ASR POST-CONFIRMATION NOTICE ACTIVITIES	16
5.3.1 <i>Retrieve Service Request Information Activities</i>	17
6 UOM-ASR USE CASES: HIGH LEVEL OVERVIEW	18
6.1 UOM-ASR ACTORS	18
6.2 HIGH LEVEL OVERVIEW OF THE UOM-ASR PROCESS USE CASES.....	19
7 UOM-ASR PRE-ORDERING USE CASES	20
7.1 LOCATION INQUIRY USE CASE	21
7.2 SERVICE AVAILABILITY INQUIRY USE CASE	22
7.3 CFA INQUIRY USE CASE	24
8 UOM-ASR SERVICE REQUEST PROCESS USE CASES	25
8.1 SERVICE REQUEST PLACEMENT/PRE-VALIDATION USE CASE	28
8.2 CLARIFICATION/NOTIFICATION REQUEST USE CASE.....	32
8.3 SERVICE REQUEST SUPPLEMENT USE CASE	33
8.4 CONFIRMATION NOTICE USE CASE	34
8.5 MEC EXCHANGE USE CASE.....	35
8.5.1 <i>OEC Ready Inquiry Use Case</i>	37
8.5.2 <i>OEC Ready Response Use Case</i>	38
8.5.3 <i>OEC Information Inquiry Use Case</i>	39
8.5.4 <i>OEC Information Response Use Case</i>	40
8.5.5 <i>ASC-EC Confirmation Notification Use Case</i>	41
8.6 MEC ERROR NOTIFICATION USE CASE.....	42
8.7 MEC CANCEL NOTIFICATION USE CASES.....	43
8.8 MEC DISCONNECT USE CASES	46
8.8.1 <i>MEC Disconnect Receipt Inquiry Use Case</i>	46
8.8.2 <i>MEC Disconnect Receipt Response Use Case</i>	47
9 UOM-ASR POST-CONFIRMATION USE CASES	48
9.1 JEOPARDY C/NR NOTIFICATION USE CASES	49
9.2 CUSTOMER RETRIEVE SERVICE REQUEST INFORMATION USE CASE	51

9.3	COMPLETION NOTIFICATION USE CASE	52
9.4	DESIGN LAYOUT REPORT NOTIFICATION USE CASE	53
APPENDIX A: UML INTRODUCTION		54
A.1	SCOPE	54
A.2	USE CASE(S)	54
A.3	ACTORS	54
A.4	USE CASE	55
A.4.1	<i>Level of Detail</i>	55
A.5	USE CASE DIAGRAMS	55
A.6	USE CASE TECHNIQUES.....	58
A.6.1	<i>Identify all actors</i>	58
A.6.2	<i>Identify all use cases</i>	58
A.6.3	<i>Create use case diagram</i>	58
A.6.4	<i>Document all primary use cases using the use case template</i>	58
A.6.5	<i>Document the use case scenarios</i>	59
A.6.6	<i>Verify all use cases with users</i>	59
A.7	TIPS FOR ACTORS	59
A.8	TIPS FOR PRIMARY USE CASES	59
A.9	TIPS FOR USE CASE SCENARIOS	60
A.10	TIPS FOR USE CASE RELATIONSHIPS.....	60
A.11	SEQUENCE DIAGRAMS	60
A.12	STATE DIAGRAMS	61
A.13	ACTIVITY DIAGRAMS	62
A.13.1	<i>Uses for Activity Diagrams</i>	63
A.13.2	<i>Activity Diagram Technique</i>	63
APPENDIX B: UOM-ASR DATA DICTIONARY		66
APPENDIX B.1: UOM VALIDATION AND TRANSPORT DATA DICTIONARY		103
APPENDIX C: UOM-ASR FUNCTIONAL DATA MATRIX		104
APPENDIX D: UOM-ASR FATAL ERROR FUNCTIONAL DATA MATRIX		123
APPENDIX E: UNIFIED ORDERING - ASR SERVICE PACKAGES.....		125
10	BIBLIOGRAPHY.....	135

Table of Figures

FIGURE 1 – UOM-ASR PROCESS AND DOCUMENT DEVELOPMENT	5
FIGURE 2 – ACCESS ORDERING RELATIONSHIPS AND DELIVERABLES.....	7
FIGURE 3 – UOM-ASR LOGICAL STAGES.....	9
FIGURE 4 – UOM-ASR BUSINESS FUNCTIONS	11
FIGURE 5 – UOM-ASR PRE-ORDERING ACTIVITIES.....	14
FIGURE 6 – UOM-ASR SERVICE REQUEST PLACEMENT ACTIVITIES	15
FIGURE 7 – UOM-ASR POST- CONFIRMATION ACTIVITIES	16
FIGURE 8 – UOM-ASR CUSTOMER RETRIEVE SERVICE REQUEST INFORMATION ACTIVITIES	17
FIGURE 9 – UOM-ASR PROCESS BUSINESS REQUIREMENT USE CASES.....	19
FIGURE 10 – UOM-ASR PRE-ORDERING BUSINESS REQUIREMENT USE CASES.....	20
FIGURE 11 – UOM-ASR PERFORM LOCATION INQUIRY USE CASE	21
FIGURE 12 – UOM-ASR PERFORM SERVICE AVAILABILITY INQUIRY USE CASE	23
FIGURE 13 – UOM-ASR PERFORM CFA INQUIRY USE CASE	24
FIGURE 14 – UOM-ASR SERVICE REQUEST PROCESS BUSINESS REQUIREMENT USE CASES.....	27
FIGURE 15 – UOM-ASR PERFORM SERVICE REQUEST PLACEMENT/PRE-VALIDATION USE CASE	29
FIGURE 16 – UOM-ASR PERFORM FATAL ERROR PROCESSING USE CASE.....	30

FIGURE 17 – UOM-ASR PERFORM NON-FATAL ERROR PROCESSING USE CASE	31
FIGURE 18 – UOM-ASR PERFORM CLARIFICATION/NOTIFICATION REQUEST USE CASE	32
FIGURE 19 – UOM-ASR PERFORM SERVICE REQUEST SUPPLEMENT USE CASE	33
FIGURE 20 – UOM-ASR PERFORM CONFIRMATION NOTICE USE CASE	34
FIGURE 21 – UOM-ASR PERFORM MEC EXCHANGE USE CASE.....	35
FIGURE 22 – UOM-ASR PERFORM OEC READY INQUIRY USE CASE	37
FIGURE 23 – UOM-ASR PERFORM OEC READY RESPONSE USE CASE.....	38
FIGURE 24 – UOM-ASR PERFORM OEC INFORMATION INQUIRY USE CASE	39
FIGURE 25 – UOM-ASR PERFORM OEC INFORMATION RESPONSE USE CASE	40
FIGURE 26 – UOM-ASR PERFORM ASC-EC CONFIRMATION NOTIFICATION USE CASE	41
FIGURE 27 – UOM-ASR PERFORM MEC ERROR NOTIFICATION USE CASE.....	42
FIGURE 28 – UOM-ASR PERFORM MEC CANCEL NOTIFICATION USE CASE (CUSTOMER INITIATED)	43
FIGURE 29 – UOM-ASR PERFORM MEC CANCEL NOTIFICATION USE CASE (ASC-EC INITIATED).....	44
FIGURE 30 – UOM-ASR PERFORM MEC CANCEL NOTIFICATION USE CASE (OEC INITIATED)	45
FIGURE 31 – UOM-ASR PERFORM MEC DISCONNECT RECEIPT INQUIRY USE CASE	46
FIGURE 32 – UOM-ASR PERFORM MEC DISCONNECT RECEIPT RESPONSE USE CASE.....	47
FIGURE 33 – UOM-ASR POST-CONFIRMATION BUSINESS REQUIREMENTS USE CASE	48
FIGURE 34 – UOM-ASR PERFORM JEOPARDY C/NR NOTIFICATION USE CASE	49
FIGURE 35 – UOM-ASR PERFORM JEOPARDY C/NR NOTIFICATION CLEAR USE CASE	50
FIGURE 36 – UOM-ASR PERFORM CUSTOMER RETRIEVE SERVICE REQUEST INFORMATION USE CASE	51
FIGURE 37 – UOM-ASR PERFORM COMPLETION USE CASE.....	52
FIGURE 38 – UOM-ASR – DESIGN LAYOUT REPORT NOTIFICATION USE CASE.....	53
FIGURE 39 – USE CASE DIAGRAM	56
FIGURE 40 – USE CASE EXAMPLE	57
FIGURE 41 – SEQUENCE DIAGRAM	61
FIGURE 42 – STATE DIAGRAM.....	62
FIGURE 43 – ACTIVITY DIAGRAM – NO BRANCHING	63
FIGURE 44 – ACTIVITY DIAGRAM – WITH BRANCHING	64
FIGURE 45 – ACTIVITY DIAGRAM – WITH DECISION BOX.....	64
FIGURE 46 – ACTIVITY DIAGRAM – CONCURRENT PATHS	65

1 Introduction to UOM

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

Provides an explanation of the business requirements and a conceptual overview of the solution. This conceptual overview is high-level. It defines “what” the user initially sees as the problem and “how” the user sees the business solution.

UOM Volume II

Analysis may be seen as using the requirements and developing a more detailed understanding of the scope. In effect, this step defines “what” the proposed technical resolution needs to support. It is a logical view of the proposed solution, which meets the business need, and it is not based on any particular software protocol.

UOM Volume III

The logical view of the proposed resolution (model), created in the *Analysis Phase*, is translated into the language appropriate for the selected implementation technology. Design focuses on “how” the implementation shall resolve the business requirements. It may be necessary to repeat the *Design Phase* if more than one implementation technology is selected.

UOM Volume IV

Resolves any outstanding implementation specifications that must be addressed before the system specifications can be realized using the selected implementation technology. As with the *Design Phase*, the *Implementation Phase* may also have to be repeated in order to provide support for multiple technologies.

UOM Process and Document Development

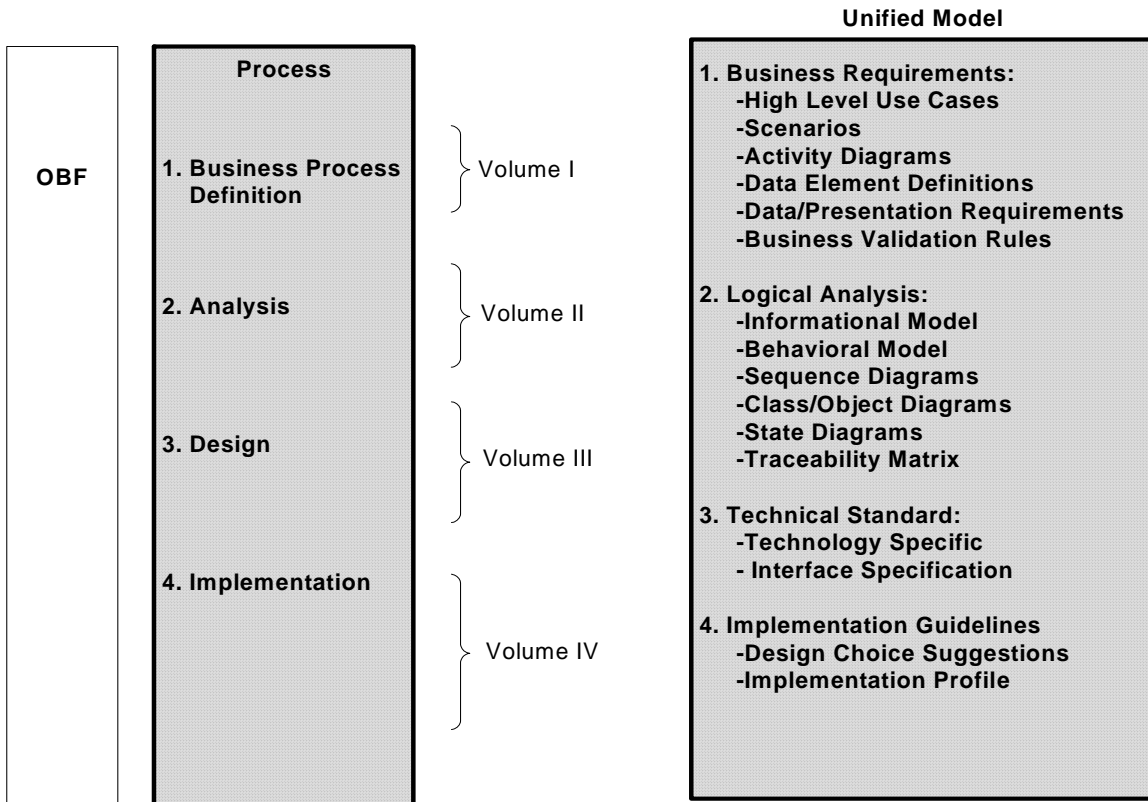


Figure 1 – UOM-ASR Process and Document Development

2 UML

2.1 Introduction

By definition a model is an abstraction. The Unified Modeling Language (UML) is the “visual” notation used within UOM Volume I. The UML supports several constructs that provide a consistent notation used to describe the UOM. The use of UML is for descriptive purposes. In some instances this Volume may not strictly adhere to existing UML specifications.

The UML is graphical in nature and is sometimes referred to as a visual specification language. The use of graphics helps in a.) abstracting design features and b.) showing the relationships between design elements.

The UML should be used to document all the relevant relationships that are important in describing this abstract view.

The constructs used in Volume I are:

- Use Cases that define the user's view of the system
- Activity Diagrams that can be used to describe process flows

3 UOM-ASR

The purpose of this document is to clearly define the business requirements for the electronic ordering of Access Service Requests (ASRs), including the exchange of data between providers in support of jointly provided (Meet Point) services, and the transmitting of Design Layout Report (DLR) information. As such, this document is referred to as UOM-ASR. It is the first volume, in the set of four, defined within the UOM process.

The UOM-ASR Volume I does not convey licensing right to non-COMMON LANGUAGE®¹ licensees to use the COMMON LANGUAGE code sets identified throughout the UOM-ASR Volume I document in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee, per their COMMON LANGUAGE contract.

The UOM-ASR draws its requirements from Access Service Request Ordering Guidelines (ASOG), Multiple Exchange Carriers Ordering and Design (MECOD), and Design Layout Report (DLR) documents. The ASOG, MECOD and DLR documents are developed and maintained by the Ordering Solutions Committee - Access Service Ordering Subcommittee within the Ordering and Billing Forum (OBF).

In effect, the UOM-ASR ties these requirement documents together, to clearly define the process necessary for ordering ASR services, exchanging information between providers when services are jointly provided, and transmitting DLR information via a mechanized process.

The UOM-ASR is able to tie these sets of requirements together through the use of the Unified Modeling Language (UML). The UML is a widely accepted methodology for defining requirements.

¹ COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

UOM-ASR Access Ordering Relationships and Deliverables

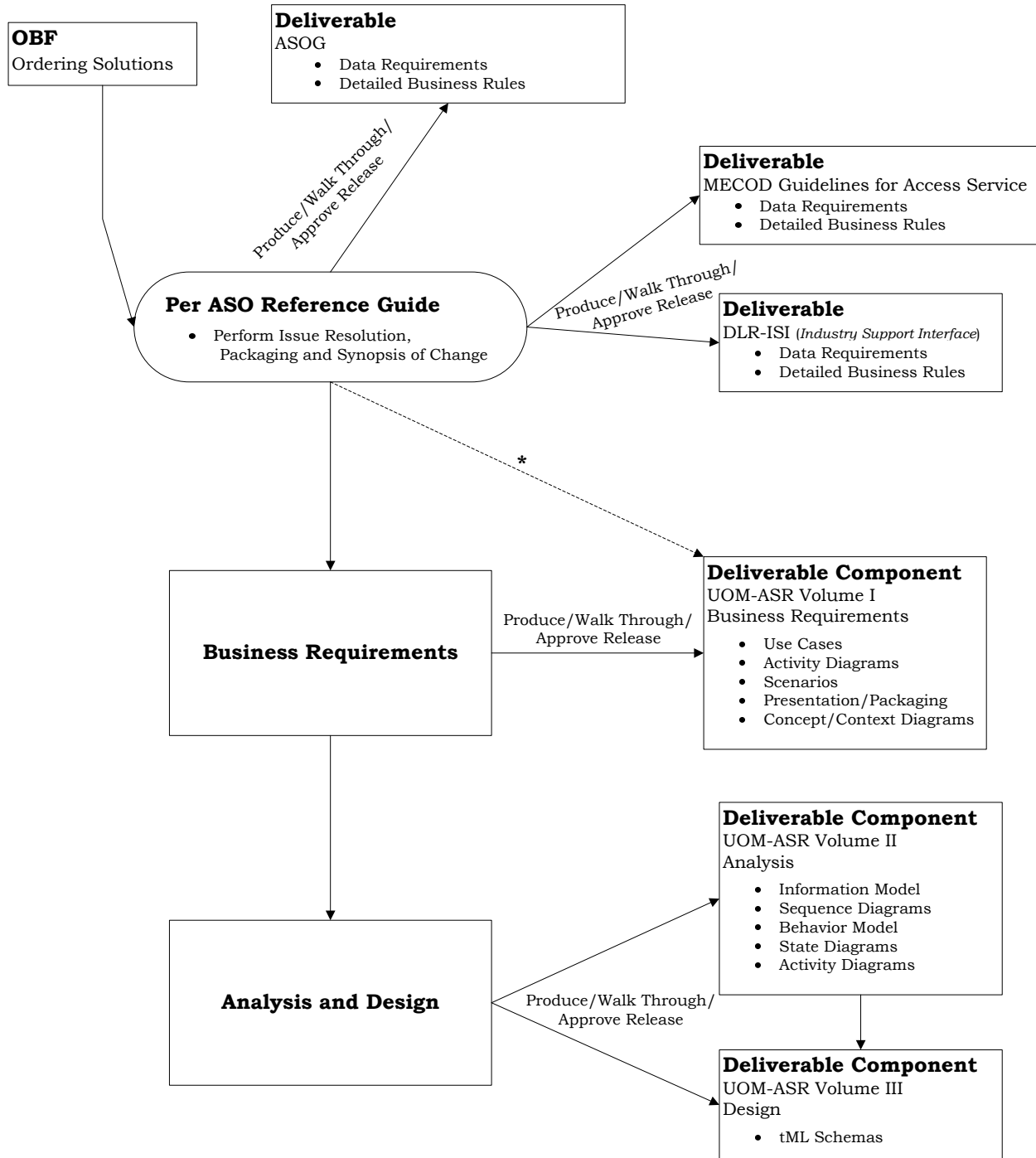


Figure 2 – Access Ordering Relationships and Deliverables

The UML is made up of numerous constructs that may be used throughout the requirements and analysis phases of the UOM Volume I and II. Therefore, by using the UML constructs, a standard method for documenting requirements is defined.

The constructs defined within Volume I are further defined and enhanced in Volume II. Together, Volumes I and II are a complete set of requirements which provide inter-related levels of detail that support the later Design and Implementation efforts, i.e., Volumes III and IV.

The UML constructs, which are supported in Volume I are Use Cases and Activity Diagrams.

- Use Cases describe at a high level how a system should function based on the user's view
- Activity Diagrams depict what happens within a business process. An Activity Diagram logically defines the steps within a process

These two constructs plus the business description defined within the UOM-ASR Volume I, ASOG, MECOD and DLR, encompass the core requirements of UOM-ASR.

Subsequent volumes draw upon these requirements to accurately define the implementation of the business requirements. (See Introduction to UOM for more detail.)

3.1 UOM-ASR Business Requirements Process

Since UOM is an iterative process, that may be updated/changed on an ongoing basis, issues may be brought into the Ordering Solutions Committee. New issues should meet the requirements as defined by the ATIS Operating Procedures and the OBF Issue Process.

The Ordering Solutions Committee will work any issues until resolution is reached. If applicable, updates will be made to the appropriate documentation such as the ASOG, MECOD, DLR Guidelines for Access Service Industry Support Interface (DLR-ISI) and UOM-ASR. The later volumes of the UOM will be updated by members within the Access Service Ordering (ASO) sub-committee who can provide business requirements knowledge of the issues as resolved and/or technical expertise on UML Modeling and XML schema design.