

<b>Contents</b>	<b>Page</b>
<u>Section</u>	
<b>1 INTRODUCTION.....</b>	<b>1-1</b>
1.1 PURPOSE.....	1-1
1.2 SCOPE AND APPLICABILITY .....	1-1
1.3 RATIONALE.....	1-1
1.4 STRUCTURE OF THIS DOCUMENT.....	1-1
1.5 CONVENTIONS AND DEFINITIONS .....	1-2
1.6 REFERENCES .....	1-3
<b>2 OVERVIEW .....</b>	<b>2-1</b>
2.1 NAVIGATION DATA MESSAGES .....	2-1
2.2 EXTENSIBLE MARKUP LANGUAGE .....	2-2
2.3 SPECIAL CONSIDERATIONS.....	2-4
<b>3 BASIC STRUCTURE OF THE NDM/XML SCHEMA SET .....</b>	<b>3-1</b>
3.1 NAVIGATION DATA MESSAGES AND THE ASSOCIATED SCHEMA SET.....	3-1
3.2 NDM/XML BASIC STRUCTURE .....	3-3
3.3 SUBSTRUCTURE 1: APM, OMM, OPM.....	3-3
3.4 SUBSTRUCTURE 2: AEM, OEM, TDM.....	3-3
3.5 NDM/XML TAGS.....	3-4
3.6 NDM/XML TEXT VALUES .....	3-5
<b>4 CONSTRUCTING AN NDM/XML INSTANCE .....</b>	<b>4-1</b>
4.1 OVERVIEW .....	4-1
4.2 XML VERSION .....	4-1
4.3 BEGINNING THE INSTANTIATION: ROOT ELEMENT TAG .....	4-1
4.4 THE STANDARD NDM/XML HEADER SECTION.....	4-3
4.5 THE NDM BODY SECTION .....	4-3
4.6 THE NDM METADATA SECTION .....	4-3
4.7 THE NDM DATA SECTION .....	4-4
4.8 CREATING AN AEM INSTANTIATION .....	4-4
4.9 CREATING AN APM INSTANTIATION .....	4-8
4.10 CREATING AN OEM INSTANTIATION .....	4-13
4.11 CREATING AN OMM INSTANTIATION.....	4-17
4.12 CREATING AN OPM INSTANTIATION .....	4-18
4.13 CREATING A TDM INSTANTIATION.....	4-22
4.14 CREATING AN NDM COMBINED INSTANTIATION .....	4-23
4.15 DISCUSSION.....	4-23
4.16 USER DEFINED PARAMETERS.....	4-27

<u>Section</u>	<u>Page</u>
<b>ANNEX A INFORMATION SECURITY (INFORMATIVE)</b> .....	<b>A-1</b>
<b>ANNEX B EXAMPLE NDM/XML SCHEMA INSTANTIATIONS (INFORMATIVE)</b> .....	<b>B-1</b>
<b>ANNEX C INFORMATIVE REFERENCES (INFORMATIVE)</b> .....	<b>C-1</b>
<b>ANNEX D RATIONALE FOR XML-FORMAT NAVIGATION DATA MESSAGES (INFORMATIVE)</b> .....	<b>D-1</b>
<b>ANNEX E ABBREVIATIONS AND ACRONYMS (INFORMATIVE)</b> .....	<b>E-1</b>

Figure

3-1 NDM/XML Substructure 1 (Single Segment) .....	3-3
3-2 NDM/XML Substructure 2 (Possible Multiplicity of Segments) .....	3-4
4-1 Comparison of Single/Multiple Message NDMs.....	4-24
4-2 NDM/XML Combined Instantiation Basic Structure .....	4-25
4-3 Combined NDM/XML Instantiation with Multiple Message Types .....	4-26
B-1 Sample NDM/XML AEM .....	B-2
B-2 Sample NDM/XML AEM with Rotation .....	B-4
B-3 Sample NDM/XML APM .....	B-5
B-4 Sample NDM/XML OEM .....	B-7
B-5 Sample NDM/XML OEM, Version 1 Compatible .....	B-9
B-6 Sample NDM/XML OMM .....	B-11
B-7 Sample NDM/XML OPM .....	B-13
B-8 Sample NDM/XML OPM Version 1 .....	B-15
B-9 Sample NDM/XML TDM .....	B-16

Table

3-1 The NDM/XML Schema Set .....	3-2
4-1 NDM/XML Root Element Tags .....	4-1
D-1 Primary Requirements .....	D-2
D-2 Heritage Requirements.....	D-2
D-3 Desirable Characteristics .....	D-3