

ISO 22644 :2006-0 (E)

CONTENTS

<u>Section</u>	<u>Page</u>
1 INTRODUCTION.....	1-1
1.1 PURPOSE.....	1-1
1.2 SCOPE AND APPLICABILITY.....	1-1
1.3 CONVENTIONS AND DEFINITIONS.....	1-1
1.4 STRUCTURE OF THIS DOCUMENT.....	1-2
1.5 REFERENCES.....	1-2
2 OVERVIEW.....	2-1
2.1 ORBIT DATA MESSAGE TYPES.....	2-1
2.2 ORBIT PARAMETER MESSAGE (OPM).....	2-1
2.3 ORBIT EPHEMERIS MESSAGE (OEM).....	2-1
2.4 EXCHANGE OF MULTIPLE MESSAGES.....	2-2
2.5 DEFINITIONS.....	2-2
3 ORBIT PARAMETER MESSAGE (OPM).....	3-1
3.1 OVERVIEW.....	3-1
3.2 OPM CONTENT.....	3-1
3.3 OPM SYNTAX.....	3-7
3.4 OPM EXAMPLES.....	3-11
4 ORBIT EPHEMERIS MESSAGE (OEM).....	4-1
4.1 OVERVIEW.....	4-1
4.2 OEM CONTENT.....	4-1
4.3 OEM SYNTAX.....	4-6
4.4 OEM EXAMPLE.....	4-11
ANNEX A RATIONALE FOR ORBIT DATA MESSAGES.....	A-1
ANNEX B ITEMS FOR AN INTERFACE CONTROL DOCUMENT.....	B-5
ANNEX C ABBREVIATIONS AND ACRONYMS.....	C-6

CONTENTS (continued)

Figure	Page
3-1 OPM File Example Using Comments to Denote Updates	3-11
3-2 OPM File Example with Optional Keplerian Elements and Two Maneuvers	3-12
4-1 OEM Example	4-11

Table	Page
3-1 OPM Header	3-2
3-2 OPM Metadata	3-3
3-3 OPM Data	3-5
4-1 OEM File Layout Specifications	4-2
4-2 OEM Header	4-3
4-3 OEM Metadata	4-4
A-1 Primary Requirements	A-2
A-2 Heritage Requirements	A-3
A-3 Desirable Characteristics	A-3
A-4 Applicability of the Criteria to Orbit Data Codes	A-4
A-5 Services Available with Orbit Data Codes	A-4