

ISO 18446:2013-06 (E)

Space data and information transfer systems - Space Link Extension - Application Program Interface for the Forward Space Packet Service

Contents	Page
1 INTRODUCTION.....	1-1
1.1 PURPOSE.....	1-1
1.2 SCOPE.....	1-1
1.3 APPLICABILITY.....	1-1
1.4 RATIONALE.....	1-1
1.5 DOCUMENT STRUCTURE	1-2
1.6 DEFINITIONS, NOMENCLATURE, AND CONVENTIONS	1-4
1.7 REFERENCES	1-7
2 OVERVIEW	2-1
2.1 INTRODUCTION.....	2-1
2.2 PACKAGE FSP SERVICE INSTANCES	2-1
2.3 PACKAGE FSP OPERATIONS	2-16
2.4 SECURITY ASPECTS OF THE SLE FORWARD SPACE PACKET (FSP) TRANSFER SERVICE	2-18
3 FSP SPECIFIC SPECIFICATIONS FOR API COMPONENTS.....	3-1
3.1 API SERVICE ELEMENT.....	3-1
3.2 SLE OPERATIONS	3-22
3.3 SLE APPLICATION.....	3-23
3.4 SEQUENCE OF DIAGNOSTIC CODES	3-25
ANNEX A FSP SPECIFIC INTERFACES (Normative).....	A-1
ANNEX B ACRONYMS (Informative).....	B-1
ANNEX C INFORMATIVE REFERENCES (Informative).....	C-1

Figure

1-1 SLE Services and SLE API Documentation.....	1-3
2-1 FSP Service Instances.....	2-2
2-2 FSP Operation Objects	2-17

Table

2-1 Production Events Reported via the Interface IFSP_SIUpdate	2-5
2-2 FSP Configuration Parameters Handled by the Service Element.....	2-9
2-3 FSP FOP Parameters Handled by the Service Element.....	2-10

<u>Table</u>	<u>Page</u>
2-4 FSP Status Parameters Handled by the Service Element	2-11
2-5 FSP Production Status	2-13
2-6 Mapping of FSP Operations to Operation Object Interfaces.....	2-18