

ISO 18445:2016-11 (E)

Space data and information transfer systems - Space link extension - Application program interface for the forward CL TU service

Contents	Page
1 INTRODUCTION	1-1
1.1 PURPOSE.....	1-1
1.2 SCOPE.....	1-1
1.3 APPLICABILITY	1-2
1.4 RATIONALE.....	1-2
1.5 DOCUMENT STRUCTURE	1-3
1.6 DEFINITIONS, NOMENCLATURE, AND CONVENTIONS.....	1-5
1.7 REFERENCES	1-8
2 OVERVIEW	2-1
2.1 INTRODUCTION	2-1
2.2 PACKAGE CLTU SERVICE INSTANCES.....	2-1
2.3 PACKAGE CLTU OPERATIONS	2-13
2.4 SECURITY ASPECTS OF THE SLE FORWARD CLTU TRANSFER SERVICE	2-15
3 CLTU SPECIFIC SPECIFICATIONS FOR API COMPONENTS	3-1
3.1 API SERVICE ELEMENT	3-1
3.2 SLE OPERATIONS.....	3-15
3.3 SLE APPLICATION	3-15
ANNEX A CLTU 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.....	1-4
2-1 CLTU Service Instances	2-2
2-2 CLTU Operation Objects.....	2-14

Table

2-1 Production Events Reported via the Interface ICLTU_SIUpdate.....	2-5
2-2 CLTU Configuration Parameters Handled by the Service Element	2-7
2-3 CLTU Status Parameters Handled by the Service Element.....	2-9
2-4 CLTU Production Status.....	2-10
2-5 Mapping of CLTU Operations to Operation Object Interfaces	2-15