

ISO 10160:1997-04 (E)

Information and documentation - Open Systems Interconnection - Interlibrary loan application service definition

Contents		Page
1	SCOPE	1
2	NORMATIVE REFERENCES	1
3	DEFINITIONS	2
3.1	reference Model DEFINITIONS	2
3.2	Application Layer Structure Definitions	2
3.3	Service Conventions Definitions	2
3.4	ILL Definitions	3
4	ABBREVIATIONS	3
5	CONVENTIONS	3
6	SERVICE MODEL	4
6.1	Service-user and Service-Provider	4
6.1.1	Roles of the Service-user	4
6.2	ILL-transaction	4
6.3	ILL-transaction Types and Topologies	4
6.3.1	Simple ILL-transaction	5
6.3.2	Chained ILL-transaction	5
6.3.3	Partitioned ILL-transaction	6
6.3.4	Distinct ILL-transactions	7
6.3.5	Forwarding	8
6.3.6	Referrals	9
6.3.7	Retries	9
6.4	ILL-transaction State	13
6.4.1	Requester-State	13
6.4.2	Responder State	13
6.4.3	Terminal States	14
6.4.4	Intermediary States	14
6.4.5	ILL-transaction Phases	15
7	DEFINITION OF SERVICES	15
7.1	Service Features	15
7.1.1	General	15
7.1.2	ILL Request	15
7.1.3	Request Forwarding	15
7.1.4	Forwarding Notification	15
7.1.5	Shipment	15
7.1.6	ILL Answer	15
7.1.7	Conditional Reply	16
7.1.8	Cancellation	16
7.1.9	Cancellation Reply	16
7.1.10	Receipt	16
7.1.11	Recall	16
7.1.12	Return	16
7.1.13	Check-in	16
7.1.14	Overdue	16
7.1.15	Renewal	16
7.1.16	Renew Answer	16
7.1.17	Lost Notification 1	6

7.1.18	Damaged Notification	16
7.1.19	Message	16
7.1.20	Status Query	16
7.1.21	Status-or-Error Report	16
7.1.22	Expiry	16
7.2	Specification Method AND Notation	17
7.3	ILL Services	17
7.3.1	ILL-REQUEST Service	18
7.3.2	FORWARD Service	21
7.3.3	FORWARD-NOTIFICATION Service	22
7.3.4	SHIPPED Service	22
7.3.5	ILL-ANSWER Service	23
7.3.6	CONDITIONAL-REPLY Service	25
7.3.7	CANCEL Service	25
7.3.8	CANCEL-REPLY Service	26
7.3.9	RECEIVED Service	26
7.3.10	RECALL Service	27
7.3.11	RETURNED Service	27
7.3.12	CHECKED-IN Service	28
7.3.13	OVERDUE Service	28
7.3.14	RENEW Service	29
7.3.15	RENEW-ANSWER Service	29
7.3.16	LOST Service	30
7.3.17	DAMAGED Service	30
7.3.18	MESSAGE Service	31
7.3.19	STATUS-QUERY Service	31
7.3.20	STATUS-OR-ERROR-REPORT Service	31
7.3.21	EXPIRY Service	33
8	SEQUENCES OF PRIMITIVES	33
8.1	RESILIANCE TO LOST AND OUT-OF-SEQUENCE Messages	33
8.1.1	Lost Messages	33
8.1.2	Out-of-Sequence Messages	33
8.2	State Transitions	34
8.3	Additional Sequencing Rules	48
ANNEXES		
A	Time Sequence Diagrams	50
B	ILL Service and Document Delivery	57
C	Bibliography	59