

ISO/IEC 13157-1:2010-04 (E)

Information technology - Telecommunications and information exchange between systems - NFC Security - Part 1: NFC-SEC NFCIP-1 security services and protocol

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	2
5	Conventions and notations	2
5.1	Representation of numbers	2
5.2	Names	3
6	Acronyms	3
7	General	4
8	Services	4
8.1	Shared Secret Service (SSE)	4
8.2	Secure Channel Service (SCH)	5
9	Protocol Mechanisms	5
9.1	Key agreement	5
9.2	Key confirmation	5
9.3	PDU security	5
9.4	Termination	5
10	States and Sub-states	6
11	NFC-SEC-PDUs	7
11.1	Secure Exchange Protocol (SEP)	7
11.2	Protocol Identifier (PID)	8
11.3	NFC-SEC Payload	8
11.4	Terminate (TMN)	8
11.5	Error (ERROR)	8
12	Protocol Rules	8
12.1	Protocol and Service Errors	8
12.2	Interworking Rules	9
12.3	Sequence Integrity	9
12.4	Cryptographic Processing	9
Annex A (normative) Protocol Machine Specification		10
(NFCIP-1)		15