

ISO/IEC 24727-4:2008-11 (E)

Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviated terms	3
5	Architecture specialization	4
5.1	Full-network-stack	6
5.2	Loyal-stack	8
5.3	Opaque-ICC-stack	9
5.4	Remote-loyal-stack	10
5.5	ICC-resident-stack	11
5.6	Remote-ICC-stack	12
6	Security architecture	12
6.1	Path-protection-policy	12
6.2	ACL - ACR mapping	14
6.3	Secure messaging	14
6.4	Trusted-channel key administration	15
7	Connection components	15
7.1	Action request and response semantics	15
7.2	Proxy - Agent Architecture	15
7.3	Trusted-channel Interface	16
7.3.1	TC_API_Open request	17
7.3.2	TC_API_Close request	18
7.3.3	TC_API_Read request	19
7.3.4	TC_API_Write request	20
7.3.5	TC_API_Reset request	21
7.3.6	TC_API_GetStatus request	22
7.4	Interface Device API	23
7.4.1	Establish Context	24
7.4.2	ReleaseContext	25
7.4.3	ListIFDs	26
7.4.4	GetIFDCapabilities	27
7.4.5	GetStatus	30
7.4.6	Wait	32
7.4.7	Cancel	33
7.4.8	ControlIFD	34
7.4.9	Connect	35
7.4.10	Disconnect	36
7.4.11	BeginTransaction	37
7.4.12	EndTransaction	38
7.4.13	Transmit	39
7.4.14	VerifyUser	40

7.4.15	ModifyVerificationData	43
7.4.16	Output	45
7.4.17	SignalEvent	47
Annex A (normative) Path-protection Mechanisms		48
Annex B (normative) IFD - API: Web Service Binding		55
Annex C (normative) IFD-Callback-API - Web Service Binding		78
Bibliography		81