

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

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

---

<b>Contents</b>		<b>Page</b>
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

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