

ISO/IEC 18328-3:2016-10 (E)

Identification cards - ICC-managed devices - Part 3: Organization, security and commands for interchange

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	4
5	Architectural aspects	5
5.1	General architecture	5
5.2	Operational conditions	6
5.2.1	Interfaces	6
5.2.2	Identification of additional devices	7
5.2.3	Device discovery mechanism	7
5.2.4	Logical activation of additional devices	8
5.2.5	Activation sequence	8
5.2.6	Activity states of additional devices	8
5.2.7	Exclusive usage attribute	10
5.2.8	General functionality	11
5.2.9	Timer control	12
5.3	Energy depending activation	12
5.4	Addressing of an additional device	12
5.4.1	General	12
5.4.2	Device identifier	12
5.4.3	Device handle	13
5.5	Device control information	13
5.5.1	Administration of additional devices	13
5.5.2	Device control parameter DVCP	13
5.5.3	General device information template	15
6	Functions of the additional device management command	17
6.1	General	17
6.2	Specific status bytes for additional device management	18
6.3	Functions of additional device management command	18
6.3.1	General command handling	18
6.3.2	general device reset function	18
6.3.3	logical device reset function	19
6.3.4	open device function	19
6.3.5	deactivate device function	20
6.3.6	reactivate device function	20
6.3.7	exclusive device usage function	20
6.3.8	general device usage function	21
6.3.9	get from device function	21
6.3.10	put to device function	22
6.3.11	get device information function	23
6.3.12	erase device content function	23
6.3.13	manage device configuration function	24

7	Usage of off-card devices	24
7.1	General	24
7.2	Transmission mechanism	26
7.3	Device handle	27
7.4	Secure channel	27
8	Command structures with adm functions in applications	28
9	Security aspects	28
9.1	Security attributes	28
9.1.1	Access mode field for adm command	28
9.1.2	Security conditions	29
9.2	Data integrity and confidentiality	29
9.3	Security with off-card-devices	30
9.4	Trust assessment	30
10	Device configuration template	30
10.1	Configuration template	30
10.2	Usage of device configuration templates	31
	Annex A (informative) Activity sequences	32
	Annex B (informative) Examples for information templates	34
	Annex C (informative) Example of command sequences with additional devices	38
	Annex D (informative) General system description	41
	Bibliography	42