

Interoperability Specification for ICCs and Personal Computer Systems

Part 3. Supplemental Document

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Revision History

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Contents

1	SCOPE	1
2	STORAGE-CARD ATR RELEVANT INFORMATION	1
2.1	AID Definition	1
2.1.1	RID	1
2.1.2	PIX	1
2.1.2.1	SS - Byte For Standard	1
2.1.2.2	NN – Bytes For Card Name	2
2.1.2.3	RR RFU Bytes	3

1 Scope

This document provides additional information to part 3 of the PC/SC specification, relevant for IFD subsystem implementers.

2 Storage-Card ATR Relevant Information

This section defines fields of the Storage Card ATR that are likely to change (to be extended) in the future. It shall be noted that existing definitions remain the same.

2.1 AID Definition

The bytes are listed from lowest to highest index.

2.1.1 RID

This is the *Registered Application Provider Identifier*. The PC/SC Workgroup has its own 5-byte RID:

B[0]	B[1]	B[2]	B[3]	B[4]
AX	XX	XX	XX	XX

The specification mandates to use this RID for compliant IFD subsystems.

2.1.2 PIX

2.1.2.1 SS - Byte For Standard

This describes the standard a Storage Card (that has been detected by the IFD subsystem) is working under.



b7	b6	b5	b4	b3	b2	b1	b0	Description
0	0	0	0	0	0	0	0	No information given
0	0	0	0	0	0	0	1	ISO 14443 A, part 1
0	0	0	0	0	0	1	0	ISO 14443 A, part 2
0	0	0	0	0	0	1	1	ISO 14443 A, part 3
0	0	0	0	0	1	0	0	ISO 14443 A, part 4
0	0	0	0	0	1	0	1	ISO 14443 B, part 1
0	0	0	0	0	1	1	0	ISO 14443 B, part 2
0	0	0	0	0	1	1	1	ISO 14443 B, part 3
0	0	0	0	1	0	0	0	ISO 14443 B, part 4
0	0	0	0	1	0	0	1	ISO 15693, part 1
0	0	0	0	1	0	1	0	ISO 15693, part 2

0	0	0	0	1	0	1	1	ISO 15693, part 3
0	0	0	0	1	1	0	0	ISO 15693, part 4
0	0	0	0	1	1	0	1	Contact (7816-10) I ² C
0	0	0	0	1	1	1	0	Contact (7816-10) Extended I ² C
0	0	0	0	1	1	1	1	Contact (7816-10) 2WBP
0	0	0	1	0	0	0	0	Contact (7816-10) 3WBP
...								RFU
1	1	1	1	1	1	1	1	RFU

2.1.2.2 NN – Bytes For Card Name

The two bytes for the Card Name are a number assigned by the PC/SC consortium on request:

Card Name	Two Byte - Identifier
Mifare Standard 1K	00 01
Mifare Standard 4K	00 02
Mifare Ultra light	00 03
SLE55R_XXXX	00 04
SR176	00 06
SRI X4K	00 07
AT88RF020	00 08
AT88SC0204CRF	00 09
AT88SC0808CRF	00 0A
AT88SC1616CRF	00 0B
AT88SC3216CRF	00 0C
AT88SC6416CRF	00 0D
SRF55V10P	00 0E
SRF55V02P	00 0F
SRF55V10S	00 10
SRF55V02S	00 11
TAG_IT	00 12
LRI512	00 13
ICODESLI	00 14
TEMPSENS	00 15
I.CODE1	00 16
PicoPass 2K	00 17
PicoPass 2KS	00 18
PicoPass 16K	00 19
PicoPass 16Ks	00 1A
Others	To be assigned

2.1.2.3 RR RFU Bytes

These bytes are RFU. They have to be zero.