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Cards and security devices for personal identification — Test methods —

Part 6:
Contactless proximity objects

AMENDMENT 2: Enhancements for harmonization

Cartes et dispositifs de sécurité pour l'identification personnelle — Méthodes d'essai —

Partie 6: Objets sans contact de proximité

AMENDEMENT 2: Améliorations pour harmonisation

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and security devices for personal identification*.

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Cards and security devices for personal identification — Test methods —

Part 6:
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AMENDMENT 2: Enhancements for harmonization

4.7, Table 3

Add the following row at the end of the table:

"

Parameter	Description	Unit
Type A collision resolution supported	Collision resolution for Type A	

"

H.2.3.4, Table H.8

Replace the table with the following:

"

Explanation	Test result
Only when the PCD: — starts the bit frame anticollision loop or — resets the operating field	PASS
Any other case	FAIL

"

H.2.4.1

Add the following sentence at the end of the paragraph:

"Procedure 4 defined in H.2.4.3.4 is only applicable to PCDs supporting Type A collision resolution; and Procedure 5 defined in H.2.4.3.5 is only applicable to PCDs not supporting Type A collision resolution (see Table 3)."

H.2.4.3.5

Add the following paragraph at the beginning of the subclause:

"This procedure is only applicable to PCDs supporting Type A collision resolution (see Table 3)."

H.2.4.3.6

Add the following new subclause after H.2.4.3.5:

"

H.2.4.3.6 Procedure 5 (Detection of full bitwise anticollision loop for PICC)

This procedure is only applicable to PCDs not supporting Type A collision resolution (see Table 3).

Use the following sequence:

a) The UT performs the activation procedure according to H.1.8.1.

b) The LT waits until the PCD sends a valid REQA/WUPA command frame

c) The LT answers with ATQA indicating bit frame anticollision and UID size: single (bits b8 and b7 equal (00)b).

d) The PCD shall send ANTICOLLISION command: '93 20'.

e) The LT answers by a stream of 40 bits by emulating a collision on every bit, including parity bits.

f) The PCD shall reset the operating field.

Table H.13 gives part of the procedure as a scenario.

Table H.13 — Scenario H.5: Detection of full bitwise anticollision loop for PICC (Procedure 5)

Test	PCD		LT
REQA/WUPA	REQA/WUPA	→	
		←	ATQA (single size UID)
ANTICOLLISION	ANTICOLLISION command ('93 20')	→	
		←	40 bits full collision frame
RESET	Reset of the operating field	→	

"

H.2.4.4, Table H.13

Replace the table with the following:

"

Explanation	Test result
Only when the PCD's behavior matches each applicable procedure expected scenario	PASS
Any other case	FAIL

"