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## **Identification cards — Test methods — Part 6: Proximity cards**

### **AMENDMENT 11**

#### **Exchange of additional parameters**

*Cartes d'identification — Méthodes d'essai — Partie 6: Cartes de proximité*

### **AMENDEMENT 1**

#### **Echange de paramètres additionnels**

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Amendment 11 to ISO/IEC 10373-6:2010 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.



## Identification cards — Test methods — Part 6: Proximity cards

AMENDMENT 1:  
Exchange of additional parameters

EDITORS NOTE: The Scenario numbering of ISO/IEC FDIS 10373 6:2010 is not changed therefore added Scenarios start with Scenario number 66.

Page 141 of ISO/IEC FDIS 10373-6:2010,

Add the following new Scenario after Scenario G.62:

"

### Scenario G.66: CID on S(PARAMETERS)-block

Step	PICC-test-apparatus	PICC
1	S(PARAMETERS, CID = cid <sub>cmd</sub> )	<p>→</p> <p>← Response 1: S(PARAMETERS, CID = cid<sub>cmd</sub>) Response 2: Mute <sup>a</sup></p>
<p><sup>a</sup> Response 1 or response 2 according to Table G.55 or Table G.56.</p>		

"

Page 143 of ISO/IEC FDIS 10373-6:2010,

Add the following new clauses at the end of G.5.5.3:

"

### G.5.6 PICC reaction on S(PARAMETERS) blocks

#### G.5.6.1 Scope

This test is to determine the behavior of the PICC according to ISO/IEC 14443-4:2008/Amd.1, 7.5.1. This test uses implementations of the protocol Scenarios of ISO/IEC 14443-4:2008/Amd.1 Annex B.2.6.

#### G.5.6.2 Procedure

Perform the following steps for each of Scenario G.67 through G.70 listed in this subclause:

- a) Activate the PICC as described in G.5.1.1, use CID = 0 and FSDI = 0.
- b) For each step in the Scenario do:

- 1) Send the command as described in the PICC-test-apparatus column.
- 2) Check that the PICC response matches the one of the PICC column.
- c) End for.

**Scenario G.67: Exchange of additional parameters**

Step	PICC-test-apparatus		PICC
1	I(0) <sub>o</sub> (TEST_COMMAND1(1))	→	
		←	I(0) <sub>o</sub> (TEST_RESPONSE1(1))
2	S(PARAMETERS)	→	
		←	S(PARAMETERS)
3	I(0) <sub>i</sub> (TEST_COMMAND1(1))	→	
		←	I(0) <sub>i</sub> (TEST_RESPONSE1(1))

**Scenario G.68: Exchange of additional parameters**

Step	PICC-test-apparatus		PICC
1	S(PARAMETERS)	→	
		←	S(PARAMETERS)
2	I(0) <sub>o</sub> (TEST_COMMAND1(1))	→	
		←	I(0) <sub>o</sub> (TEST_RESPONSE1(1))

**Scenario G.69: Exchange of additional parameters**

Step	PICC-test-apparatus		PICC
1	S(PARAMETERS)	→	
		←	S(PARAMETERS)
2	S(PARAMETERS)	→	
		←	S(PARAMETERS)
3	I(0) <sub>o</sub> (TEST_COMMAND1(1))	→	
		←	I(0) <sub>o</sub> (TEST_RESPONSE1(1))

**Scenario G.70: Exchange of additional parameters**

Step	PICC-test-apparatus	PICC
1	S(PARAMETERS, ~CRC)	→
		← Mute
2	S(PARAMETERS)	→
		← S(PARAMETERS)
3	I(0) <sub>o</sub> (TEST_COMMAND1(1))	→
		← I(0) <sub>o</sub> (TEST_RESPONSE1(1))

**G.5.6.3 Test report**

Fill the appropriate rows in Table G.63 according to Table G.59.

**Table 59 — Result criteria for exchange of additional parameters**

Explanation	Test result
Only when the PICC responded as indicated in the procedure	PASS
Any other case	FAIL

"

Page 146 of ISO/IEC FDIS 10373-6:2010,

Change Table G.63 to insert new Scenarios 66 to 70:

"

Test method from ISO/IEC 10373-6		Scenario numbers	Test result
Clause	Parameter	ISO/IEC 10373-6	PASS or FAIL or N/A
G.5.4	PICC reaction on CID	Scenario G.58	
		Scenario G.59	
		Scenario G.60	
		Scenario G.61	
		Scenario G.62	
		Scenario G.66	
G.5.6	PICC reaction on S(PARAMETERS) blocks	Scenario G.67	
		Scenario G.68	
		Scenario G.69	
		Scenario G.70	

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