
**Identification cards — Contactless
integrated circuit cards — Vicinity
cards —**

**Part 3:
Anticollision and transmission
protocol**

**AMENDMENT 2: Clarification of use of
Data Elements**

*Cartes d'identification — Cartes à circuit(s) intégré(s) sans contact —
Cartes de voisinage —*

Partie 3: Anticollision et protocole de transmission

AMENDEMENT 2: Clarification de l'usage des éléments de données

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Amendment 2 to ISO/IEC 15693-3:2009 was prepared by Technical Committee ISO/IEC/TC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

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Identification cards — Contactless integrated circuit cards — Vicinity cards —

Part 3: Anticollision and transmission protocol

AMENDMENT 2: Clarification of use of Data Elements

Page 25, 10.4.2

Replace:

“If the Option_flag is not set, the VICC shall return its response when it has completed the write operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.”

with the following text:

“Option_flag definition see 9.5”

Page 26, 10.4.3

Replace:

“If the Option_flag is not set, the VICC shall return its response when it has completed the lock operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.”

with the following text:

“Option_flag definition see 9.5”

Page 28, 10.4.5

Replace:

“If the Option_flag is not set, the VICC shall return its response when it has completed the write operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.“

with the following text:

“Option_flag definition see 9.5”

Page 30, 10.4.8

“If the Option_flag is not set, the VICC shall return its response when it has completed the write operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.“

by

“Option_flag definition see 9.5”

Page 31, 10.4.9

“If the Option_flag is not set, the VICC shall return its response when it has completed the lock operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.“

by

“Option_flag definition see 9.5”

Page 32, 10.4.10

“If the Option_flag is not set, the VICC shall return its response when it has completed the write operation starting after:

$t_{1nom} [4352/f_c (320,9 \mu s), \text{ see 9.1.1}] + \text{ a multiple of } 4096/f_c (302 \mu s) \text{ with a total tolerance of } \pm 32/f_c \text{ and latest after 20 ms upon detection of the rising edge of the EOF of the VCD request.}$

If it is set, the VICC shall wait for the reception of an EOF from the VCD and upon such reception shall return its response.“

by

“Option_flag definition see 9.5”

Page 32, 10.4.11

Replace: