**INTERNATIONAL STANDARD ISO/IEC 14443-2:2020**
TECHNICAL CORRIGENDUM 1

Published 2021-07

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

# Cards and security devices for personal identification — Contactless proximity objects — Part 2: Radio frequency power and signal interface

TECHNICAL CORRIGENDUM 1:

*Cartes et dispositifs de sécurité pour l'identification personnelle — Objets sans contact de proximité — Partie 2: Interface radiofréquence et des signaux de communication*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 14443-2:2020 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information* in collaboration with ITU-T. The identical text is published as Rec. ITU-T H.222.0 (2014)/Cor.1 (03/2017).



**ICS 35.240.15** **Ref. No. ISO/IEC 14443-2:2020/Cor.1:2021(E)**

*Page 19, 8.1.3.3*

At the beginning of 8.1.3.3 insert the first paragraph of 9.1.3.2 and Figure 29 and the third and the fourth paragraphs of 9.1.3.2:

“

For bit rates 3*fc*/4 and 3*fc*/2 binary information shall be transmitted from PCD to PICC in units of 8 logic levels, building an information symbol of 3 bits. The 8 logic levels are represented by 8 NPs. The formation of 3-bit symbols from bytes is illustrated in Figure Cor.1.

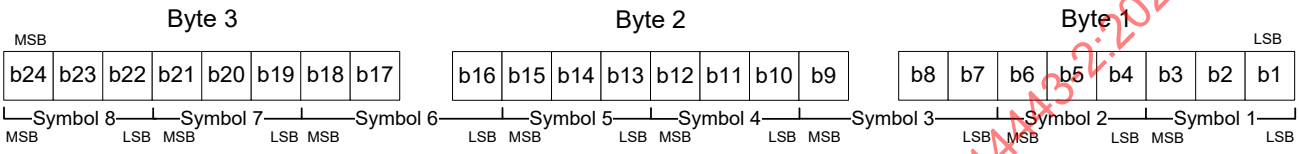


**Figure Cor.1 — Binary information from PCD to PICC transmission for bit rates 3fc/4 and 3fc/2**

If the last transmitted symbol is incomplete, it shall be stuffed with one or two (0)b.

For end of communication, the PCD shall generate a sequence of 8 NPs of -180°. After the end of communication, the PCD shall generate an unmodulated RF carrier with a NP of 0°.

“

*Page 19, 8.1.3.4*

At the beginning of 8.1.3.4 insert the second paragraph of 9.1.3.2 and Figure 30 and the fourth paragraph of 9.1.3.2:

“

For bit rates *fc* and 2*fc* binary information shall be transmitted from PCD to PICC in units of 16 logic levels, building an information symbol of 4 bits. The 16 logic levels are represented by 16 NPs. The formation of 4 bit symbols from Bytes is illustrated in Figure Cor.2.

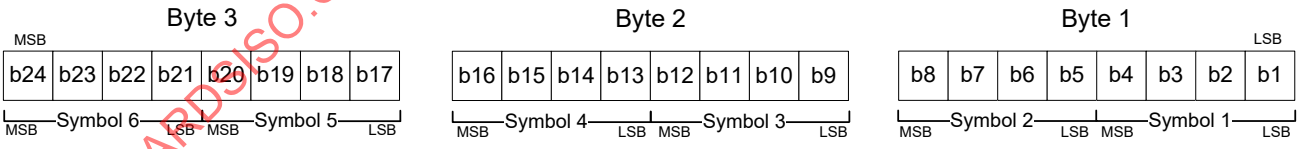


**Figure Cor.2 — Binary information from PCD to PICC transmission for bit rates *fc* and 2*fc***

For end of communication, the PCD shall generate a sequence of 8 NPs of -180°. After the end of communication, the PCD shall generate an unmodulated RF carrier with a NP of 0°.

“

*Page 41, 9.1.3*

Delete the entire subclause 9.1.3.2.



 