PayCert
48 rue Montmartre
75002 Paris
France

Paris, November 14th, 2025

Paragon ID
Parc d'activité de l'Argile / 123 Chemin de l'Argile - Voie K
460 Avenue de Quiera
06370 Mouans-Sartoux
FRANCE

ISO/IEC TS 24192-1:2021 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number:	**CNAPC/PIC-00062**
Product/System name:	TanGO CLAP v3 (commercial identification)
Compliant with :	ISO/IEC TS 24192-1:2021
Operational temp. range :	Class I
ISO 14443 antenna class :	Class 1
Protocol supported :	Type B

Dear Customer,

The Certification Body PayCert has received a request, submitted by Paragon ID, your company, for the Certification of the PICC product TanGO CLAP v3 (IC: SLC26TDA280G7; Software: OS TanGO v3 r1; Application type: Calypso Light Application (CLAP) v1.2; Antenna: ANTENNA 45X76mm-1126; Card body: Paper; Full contactless card), hereafter referred to as the Product and identified above as “TanGO CLAP v3”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PIC.ISO24192.2021.2025-022 dated 2025/10/22 and we have assessed your Test Report(s) (ref. IC.E.RE.2510.005 V1.0 (analog), IC.E.RE.2510.006 V1.0 (digital)), which were generated by ICUBE TESTING CENTER, following the Test Plan “ISO/IEC TS 24192-2:2021”.

Based on these elements, as indicated in PayCert’s Certification Report (ref. CER/EVR/PIC/2025-143 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product comply to the ISO/IEC TS 24192-1:2021 specification.

The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the ISO/IEC TS 24192-1:2021 standard and will include your Product in the certified products list, published on PayCert website (http://cna-paycert-certification.com).

PayCert
48 rue Montmartre
75002 Paris
France

Please note that the present Certification (ref. CER/CLE/PIC/2025-163 v1.0.0) is subject to the following terms and conditions as listed hereafter:

i) The present Certification is granted on the basis of the Smart Ticketing Alliance Certification Policy and therefore is valid as of today and will expire on the 13th of November 2032.

ii) If the Product is changed, Paragon ID must notify the Certification Body of this fact in writing. Any change in the Product that may generate a different behaviour with respect to the ISO/IEC TS 24192-1:2021 standard or a difference in the Product Implementation Conformance Statement will be considered a major modification subject to a new evaluation in order to maintain the present Certification.

iii) The present Certification granted to Paragon ID for the above referenced Product is non-transferable to any other vendor.

The Certification Body has the right to terminate or revoke the Certification should any of the aformentionned terms and conditions be not respected.

Laurence Masson

Digitally signed by Laurence Masson
DN: CN=Laurence Masson, E=laurence-masson@paycert.eu
Reason: I am approving this document
Location: Paris
Date: 2025.11.14 11:11:11+01'00'
Foxit PDF Editor Version: 2025.2.0

Name: Laurence MASSON

Title: Chief Operating Officer

cofrac
CERTIFICATION DE PRODUITS ET SERVICES
Accréditation n°5-0673
Portée disponible sur www.cofrac.fr

PayCert
48 rue Montmartre
75002 Paris
France

a. PICC Product Description

[PICC1] Administrative data

[PICC1.1] (*) Brand name: TanGO CLAP v3

[PICC1.2] (*) Trade name: TanGO CLAP v3

[PICC1.3a] (*) Hardware version: SLC26TDA280G7

[PICC1.3b] (*) Software version: v3 r1

[PICC1.4] (*) PICC features ISO/IEC 7816 contact interface (dual): ○ Yes ◉ No

[PICC1.5] (*) IC manufacturer: Infineon

[PICC1.6] (*) IC reference / size: SLC26TDA280G7 / 280 KBytes

[PICC1.7] (*) Type of card body structure: Paper

The PICC is based on a STA certified PICC (*): ○ Yes ◉ No

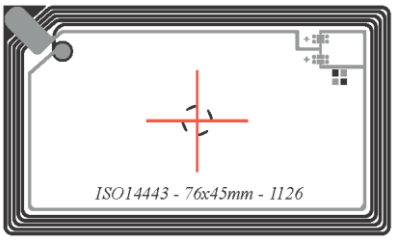
If yes STA PICC certificate number (*): /

If yes rationale to justify the delta-certification (*): /

b. PICC General Technical Characteristics

[PICC2] General technical characteristics

[PICC2.1] (*) Reference of PICC Zero Point (target ID-marked on sample or photo or diagram):



[PICC2.2] (*) Operational temperature class supported as defined in Clause 11.2 of ISO/IEC TS 24192-1:2021:

○ Class A

◉ Class I

[PICC2.3] (*) Antenna class according to ISO/IEC 14443:

◉ "Class 1" ○ "Class 2" ○ "Class 3"

○ Does not claim to meet the requirements of one particular PICC class

PayCert
48 rue Montmartre
75002 Paris
France

c. PICC Supported Options

[PICC3] General supported options

[PICC3.1] (*) Supported communication signal interface(s) and protocol(s): Type A ☐ Type B ☒
Other:

[PICC4] Type A supported options (where applicable)

[PICC4.1] (*) PCD -> PICC bit rates supported: ○ fc/128 (~106 kbit/s)
Other:

[PICC4.2] (*) PICC -> PCD bit rates supported: ○ fc/128 (~106 kbit/s)
Other:

[PICC4.3] (*) Only symmetrical bit rates supported: ○ Yes ○ No

[PICC4.4] (*) S(PARAMETERS) support: ○ Yes ○ No

[PICC5] Type B supported options (where applicable)

[PICC5.1] (*) PCD -> PICC bit rates supported: ◉ fc/128 (~106 kbit/s)
Other: 212 kbit/s and 424 kbit/s

[PICC5.2] (*) PICC -> PCD bit rates supported: ◉ fc/128 (~106 kbit/s)
Other: 212 kbit/s and 424 kbit/s

[PICC5.3] (*) Only symmetrical bit rates supported: ○ Yes ◉ No

[PICC5.4] (*) PUPI value: ◉ Fixed number ○ Random number

[PICC5.5] (*) Extended ATQB support: ◉ Yes ○ No
If yes, SFGI: 0

[PICC5.6] (*) S(PARAMETERS) support: ○ Yes ◉ No

[PICC5.7] (*) All AFIs are supported: ○ Yes ◉ No
If not, indicate all supported AFI(s): 00

[PICC5.8] (*) REQB/WUPB with N > 1 support: ○ Yes ◉ No