



**PayCert**  
48 rue Montmartre  
75002 Paris  
France

Paris, 23/06/2023

Mrs. Carina ZAMBON  
Paragon ID  
Parc d'activité de l'Argile,  
Lot 123 - Voie K, 460 Avenue de Quiera  
06370 Mouans-Sartoux  
France

**CEN TS 16794 Compliance Certificate - PICC**

*A Smart Ticketing Alliance certification program*

Certificate Number: CNAPC/PIC-00039  
Product/System name: TanGO Basic (commercial identification)  
Compliant with : CEN/TS 16794-1:2017  
Operational temp. range : Class I (-10°C to +50°C)  
ISO 14443 antenna class : Class 1  
Protocol supported : type B

Dear Mrs. ZAMBON,

The Certification Body PayCert has received a request, submitted by Paragon ID, your company, for the Certification of the PICC product TanGO Basic (IC type: Infineon Technologies AG, SLM10TLD002Y A12, Application Type: Calypso Basic v1.1, Antenna: GT Classe 1 45x76 Conduent/Norm 1033, Card body: Paper, Protocols: Type B, Contactless card), hereafter referred to as the Product and identified above as "TanGO Basic".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.PRG.PICC.CEN16794.2017.2023-003 dated 19/06/2023 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.2306.009\_v1.0, (digital) : IC.E.RE.2306.010\_v1.0), which was generated by ICUBE, following the Test Plan "CEN/TS 16794-2:2017".

Based on these elements, as indicated in PayCert's Certification Report (ref. CER/EVR/PIC/2023-084 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product complies to the CEN/TS 16794-1:2017.

The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the CEN/TS 16794-1:2017 standard and will include your Product in the certified products list, published on PayCert website ([www.cna-paycert-certification.com](http://www.cna-paycert-certification.com)).



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Please note that the present Certification 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 23. June 2030.

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 CEN/TS 16794-1:2017 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 aforementioned terms and conditions be not respected.

Name: Ludovic VERECQUE

Title: General Manager



Accréditation n°5-0563  
Portée disponible sur  
[www.cofrac.fr](http://www.cofrac.fr)



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## a. PICC Product Description

[PICC1] Administrative data

[PICC1.1] (\*) Brand name: Paragon ID

[PICC1.2] (\*) Trade name: TanGO Basic

[PICC1.3a] (\*) Hardware version: N/A

[PICC1.3b] (\*) Software version: v1

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

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

[PICC1.6] (\*) IC reference / size: SLM 10TLD002Y

[PICC1.9] (\*) Type of card body structure: Paper

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

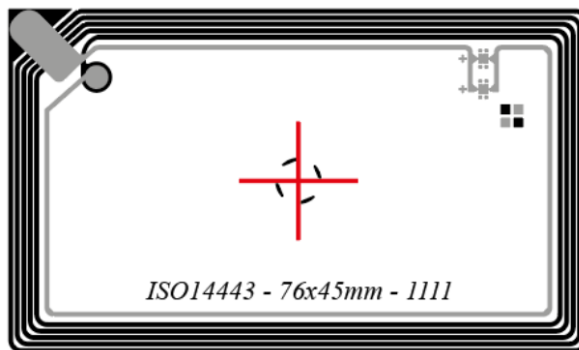
If yes STA PICC certificate number (\*): [Click here to enter text.](#)

If yes rationale to justify the delta-certification (\*): [Click here to enter text.](#)

## b. PICC General Technical Characteristics

[PICC2] General technical characteristics

[PICC2.2] (\*) Reference of PICC Zero Point (target ID-marked on sample or photo or diagram):



Center of the sample

[PICC2.3] (\*) Operational temperature range supported:

- Class A (Ambient)  
 Class I (-10 °C to + 50 °C)

[PICC2.4] (\*) Antenna class according to ISO/IEC 14443:

- Unclassified  "Class 1"  "Class 2"  "Class 3"



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## c. PICC Supported Options

[PICC3] Protocol characteristics

[PICC3.1] (\*) Supported communication signal interface(s) and protocol(s): Type A  Type B   
Other: [Click here to enter text.](#)

[PICC4] Type A (where applicable)

[PICC4.1] (\*) PCD -> PICC bit rates supported:  fc/128 (~106 kbit/s)  
Other: [Click here to enter text.](#)

[PICC4.2] (\*) PICC -> PCD bit rates supported:  fc/128 (~106 kbit/s)  
Other: [Click here to enter text.](#)

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

[PICC4.5] (\*) UID value:  Fixed number  Random number

[PICC4.11] (\*) S(PARAMETERS) support:  Yes  No

[PICC5] Type B (where applicable)

[PICC5.1] (\*) PCD -> PICC bit rates supported:  fc/128 (~106 kbit/s)  
Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

[PICC5.2] (\*) PICC -> PCD bit rates supported:  fc/128 (~106 kbit/s)  
Other: fc/64 (212 kbit/s), fc/32 (424 kbit/s)

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

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

[PICC5.9] (\*) Extended ATQB support:  Yes  No

If yes, SFGI: [Click here to enter text.](#)

[PICC5.10] (\*) S(PARAMETERS) support:  Yes  No

[PICC5.11] (\*) All AFIs are supported:  Yes  No

If not, indicate all supported AFI(s): \$00 ; \$10

[PICC5.12] (\*) REQB/WUPB with N > 1 support:  Yes  No