



PayCert
48 rue Montmartre
75002 Paris
France

Paris, 15 septembre 2023

Calmell SA
Pol Ind Pla d'en Coll C/Fresser 12C
Barcelona
Spain

CEN TS 16794 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number: CNAPC/PIC-00043
Product/System name: CSA CLY 3.4 (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 Customer,

The Certification Body CNA-PayCert has received a request, submitted by Calmell SA, your company, for the Certification of the PICC product CSA CLY 3.4 (IC type: ST31G256SQ RevB, Calypso Prime 3.2, Antenna: D-14542, Card body: White PVC core, Contactless card), hereafter referred to as the Product and identified above as "CSA CLY 3.4".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.CAL.PICC.CEN16794.2017.2023-014 dated 31/08/2023 and we have assessed your Test Report(s) (ref. IC.E.RE.2307.009_v1.1, IC.E.RE.2307.010_v1.1), which were generated by ICUBE TESTING CENTER, following the Test Plan "CEN/TS 16794-2:2017".

Based on these elements, as indicated in PayCert's Certification Report (ref. CER/EVR/PIC/2023-117 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 CNA-PayCert website (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 15. September 2030.

ii) If the Product is changed, Calmell SA 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 Calmell SA 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



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a. PICC Product Description

[PICC1] Administrative data

[PICC1.1] (*) Brand name: CALMELL, S.A.

[PICC1.2] (*) Trade name: CSA CLY 3.4

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

[PICC1.3b] (*) Software version: Revision 0x10 Version 0x01 FW 506

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

[PICC1.5] (*) IC manufacturer: ST Microelectronics

[PICC1.6] (*) IC reference / size: ST31G256SQ

[PICC1.9] (*) Type of card body structure: White PVC core

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

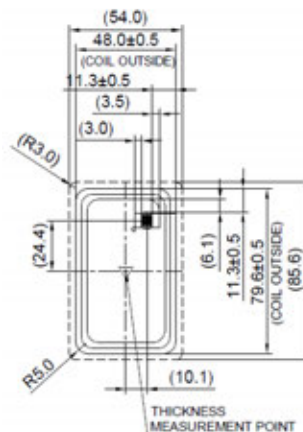
If yes STA PICC certificate number (*): [Click here to enter text.](#)

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):



[Click here to enter text.](#)

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

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



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

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

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: 212Kbits, 424 Kbits

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

Other: 212Kbits, 424 Kbits

[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: 0x10

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

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

If not, indicate all supported AFI(s): [Click here to enter text.](#)

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