PayCert
48 rue Montmartre
75002 Paris
France

Paris, 27 November 2024

Calmell SA
Poligon Industrial Pla d'en Coll – C/Fresser 12-C,
08110 Montcada i Reixac Barcelona
SPAIN

ISO/IEC TS 24192 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number:	**CNAPC/PIC-00057**
Product/System name:	CSA CLY Basic 1.1.0 (commercial identification)
Compliant with :	ISO/IEC TS 24192-1:2021
Operational temp. range :	Class I
ISO 14443 antenna class :	Does not claim to meet the requirements of one particular PICC class
Protocol supported :	Type B

Dear Customer,

The Certification Body PayCert has received a request, submitted by Calmell SA, your company, for the Certification of the PICC product CSA CLY Basic 1.1.0 (IC: SLM10TLD002Y A12 ; Software: CALYPSO move v1.2 ; Application type: Calypso Basic; Antenna: Dry Naked Inlay H185 CALYPSOmove; Card body: Paper; Full Contactless card), hereafter referred to as the Product and identified above as "CSA CLY Basic 1.1.0".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.CAL.PIC.ISO24192.2021.2024-019 dated 2024/11/15 and we have assessed your Test Report(s) (ref. IC.E.RE.2410.010 v1.0 (analog), IC.E.RE.2410.011 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/2024-212 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product complies 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).

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Please note that the present Certification (ref. CER/CLE/PIC/2024-239 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 26 November 2031.

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 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 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 aformentionned terms and conditions be not respected.

Laurence Masson

Digitally signed by Laurence Masson
Date: 2024.11.27 11:39:08 +01'00'

Name: Laurence MASSON

Title: Chief Operating Officer

cofrac
CERTIFICATION DE PRODUITS ET SERVICES
Accréditation n°5-0673
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 Basic 1.1.0

[PICC1.3a] (*) Hardware version: SLM10TLD002Y A12

[PICC1.3b] (*) Software version: V1.2

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

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

[PICC1.6] (*) IC reference / size: SLM10TLD002Y

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

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

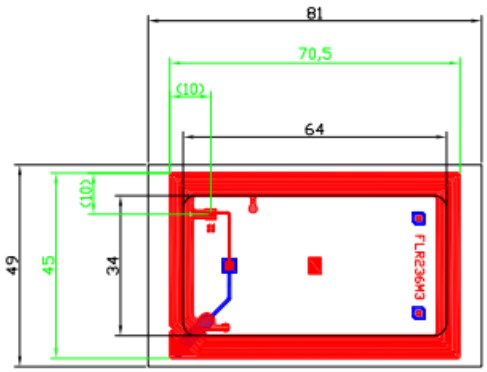
If yes STA PICC certificate number (*): Click here to enter text.

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):



Click here to enter text.

[PICC2.3] (*) Operational temperature class supported as defined in Clause 11.2 of ISO/IEC TS 24192-1:2021:

○ Class A

◉ Class I

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[PICC2.4] (*) 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

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

[PICC4.10] (*) S(PARAMETERS) support: ○ Yes ○ No

[PICC5] Type B (where applicable)

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

[PICC5.2] (*) PICC -> PCD bit rates supported: ◉ fc/128 (~106 kbit/s)
Other: 212 kbits; 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: 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): 00h & 10h

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