PayCert
48 rue Montmartre
75002 Paris
France

Paris, 13th December 2024

Thales DIS France SAS
ZI Athelia IV, av. du Jujubier
13705 La Ciotat
France

CEN/TS 16794-1:2017 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number:	**CNAPC/PIC-00058**
Product/System name:	Gemalto Calypso Prime G3 V1.1 (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 PayCert has received a request, submitted by Thales DIS France SAS, your company, for the Certification of the PICC product Gemalto Calypso Prime G3 V1.1 (IC: SLC36PDL352 ; Software: Calypso G3 v1.1; Application type: Calypso V3.3 Ed2; Antenna: 0115GXLA; Card body: PVC/PET; Dual card), hereafter referred to as the Product and identified above as “Gemalto Calypso Prime G3 V1.1”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.THA.PICC.CEN16794.2017.2024-025 dated 2024/11/21 and we have assessed your Test Report(s) (ref. IC.E.RE.2411.011 v1.0 (Digital)), which was 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/2024-229 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 specification.

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 (http://cna-paycert-certification.com).

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Please note that the present Certification (ref. CER/CLE/PIC/2024-261 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 12 December 2031.

ii) If the Product is changed, Thales DIS France SAS 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 Thales DIS France SAS 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: 2024.12.13 19:11:59 +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: Gemalto Calypso Prime G3 V1.1

[PICC1.2] (*) Trade name: Gemalto Calypso Prime G3 V1.1

[PICC1.3a] (*) Hardware version: SLC36PDL352

[PICC1.3b] (*) Software version: V1.1

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

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

[PICC1.6] (*) IC reference / size: SLC36PDL352

[PICC1.9] (*) Type of card body structure: PVC/PET

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

If yes STA PICC certificate number (*): CNAPC/PIC-00049

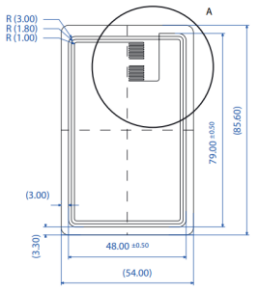
If yes rationale to justify the delta-certification (*): Product is the same except OS where a low-level part of code concerning chip initialization not linked to RF is modified. Contact reset procedure has been optimized for all range of environmental conditions

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):

Antenna Details	
Ref	0115GXLA
Nb Turns	3
Wire Diam	112 µm
Pitch	1.2 mm



Reference of PICC Zero Point is the middle of the card.

[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"

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: 212, 424, 848

[PICC5.2] (*) PICC -> PCD bit rates supported: ◉ fc/128 (~106 kbit/s)
Other: 212, 424, 848

[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: 4 – SGFT = 4.832ms

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

[PICC5.11] (*) All AFIs are supported: ○ Yes ◉ No
If not, indicate all supported AFI(s): 00h

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