



PayCert
48 rue Montmartre
75002 Paris
France

Paris, 15/04/2022

Mr. Bruno BARONNET
Thales DIS France SA
ZI Athelia IV, av. du Jujubier
13705 La Ciotat
France

CEN TS 16794 Compliance Certificate - PICC

A Smart Ticketing Alliance certification program

Certificate Number: CNAPC/PIC-00035
Product/System name: Gemalto Calypso G2 FC RF (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 Mr.BARONNET,

The Certification Body PayCert has received a request, submitted by Thales DIS France SA, your company, for the Certification of the PICC product Gemalto Calypso G2 FC RF (IC: SLC32- 300KB -H13; Application type: Calypso v1.0; Antenna type: Thales DIS antenna (0115GALA); HW: SLC32 (IFX_CCI_000008h, IFX_CCI_000015h) H13, SW: G2 v1.0; Card body : PET-PVC; Protocols: Type B, Contactless card), hereafter referred to as the Product and identified above as “Gemalto Calypso G2 FC RF”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.THA.PICC.CEN16794.2017.2022-002 dated 30/03/2021 and we have assessed your Test Report(s) (ref. IC.E.RE.2203.022 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/2022-007 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).



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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 14 April 2029.

ii) If the Product is changed, Thales DIS France 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 Thales DIS France 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: Gemalto Calypso G2 FC RF

[PICC1.2] (*) Trade name: Gemalto Calypso G2 FC RF

[PICC1.3a] (*) Hardware version: SLC32 (IFX_CCI_000008h, IFX_CCI_000015h) H13

[PICC1.3b] (*) Software version: V1.0

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

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

[PICC1.6] (*) IC reference / size: SLC32- 300KB -H13

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

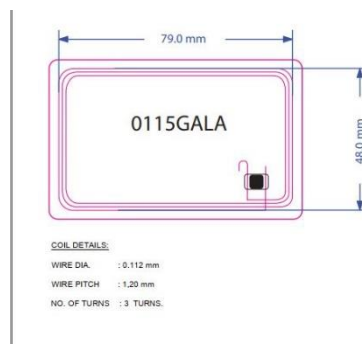
If yes STA PICC certificate number (*): CNAPC/PIC-00033

If yes rationale to justify the delta-certification (*): same OS, chip, card body/antenna. One chip RF parameter is modified vs Contactless CNAPC/PIC-00033

b. ICC General Technical Characteristics

[PICC2] General technical characteristics

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



0115GALA Antenna

PICC Zero Point is located at the center 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"



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c. PICC Supported Options

[PICC3] Protocol characteristics

[PICC3.1] (*) Protocol(s) supported: Type A Type B Other:

[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-SGFT4.832ms

[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