Paris, 04/09/2020

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

CEN TS 16794 Compliance Certificate - PICC

Certificate Number:	CNAPC/PIC-00025
Product/System name:	Gemalto Calypso G2 (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. Bruno BARONNET,

CNA-PayCert has received a request, submitted by Thales DIS France SA, your company, for the Certification of the PICC product Gemalto Calypso G2 (Calypso V 1.0, Type B), hereafter referred to as the Product and identified above as "Gemalto Calypso G2".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.THA.PICC.CEN16794.2017.2020-012 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.2007.008 V1.0, (digital) : IC.E.RE.2007.009 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/2020-066 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 (http://cna-paycert-certification.com).

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 04/09/2027.

    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 aformentionned terms and conditions be not respected.

Name: Ludovic VERECQUE

Title: General Manager

1.1   PICC Product Description
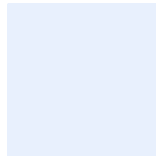
[PICC1]   Administrative data

    [PICC1.1] (*)   Brand name: Gemalto Calypso G2

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

    [PICC1.3a] (*)   Hardware version: SLC32PDL300-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: SLC32PDL300-H13

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

1.2   PICC General Technical Characteristics

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

ISO card Center

    [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"

1.3   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.

[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