Paris, 03/03/2023

Ms. Insa NAGELS
Nagels Druck GmbH
Hooghe Weg 11
47906 KEMPEN
GERMANY

CEN TS 16794 Compliance Certificate - PICC

A Smart Ticketting Alliance certification program

Certificate Number:	CNAPC/PIC-00036
Product/System name:	Nagels Calypso Basic Ticket (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 Ms. NAGELS,

The Certification Body PayCert has received a request, submitted by Nagels Druck GmbH, your company, for the Certification of the PICC product Nagels Calypso Basic Ticket (IC type: Infineon CALYPSOmove SLM10TLD002Y; Application Type: Calypso Basic v1.1; Software: CALYPSO™ move V2.1; Antenna: FLR236M3 from; Card body: Paper ticket ISO 15457; Protocols: Contactless card), hereafter referred to as the Product and identified above as "Nagels Calypso Basic Ticket".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.NAG.PICC.CEN16794.2017.2023-002 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.2211.013_v1.0, (digital) : IC.E.RE.2211.014_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/2023-026 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).

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 2. March 2030.

    ii) If the Product is changed, Nagels Druck GmbH 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 Nagels Druck GmbH 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

cofrac

CERTIFICATION DE PRODUITS ET SERVICES

Accréditation n°5-0563
Portée disponible sur
www.cofrac.fr

a.   PICC Product Description

[PICC1] Administrative data

    [PICC1.1] (*) Brand name: Nagels

    [PICC1.2] (*) Trade name: Nagels Calypso Basic Ticket

    [PICC1.3a] (*) Hardware version: 1.0

    [PICC1.3b] (*) Software version: CALYPSO^{TM} move V2.1

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

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

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

    [PICC1.9] (*) Type of card body structure: Paper Ticket ISO 15457
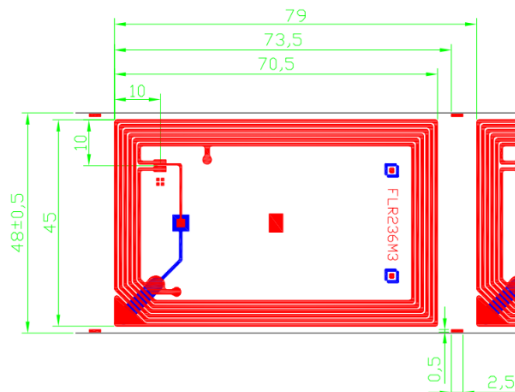
The PICC is based on a STA certified PICC (*): NO
If yes STA PICC certificate number (*): N/A

If yes rationale to justify the delta-certification (*): N/A

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):

Click here to enter text.

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

        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"

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 Kbit/s, 424 Kbit/s

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

            Other: 212 Kbit/s, 424 Kbit/s

     [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