PayCert
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Paris, 17/06/2022

M Nicolas TAUBATY
FLOWBIRD
Parc Lafayette, 6 rue Isaac Newton
25075 Besançon Cedex 9
France

CEN TS 16794 Compliance Certificate - PCD

A Smart Ticketting Alliance certification program

Certificate Number:	CNAPC/PCD-00030
Product/System name:	CSR with AMT (Automate Mass Transit) - commercial identification
Compliant with :	CEN/TS 16794-1 :2017
Operational temp. range :	Class D (-25°C to + 55°C)

Dear Mr TAUBATY,

The certification Body PayCert has received a request, submitted by FLOWBIRD, your company, for the Certification of the PCD product CSR with AMT (Automate Mass Transit) (PCD Hardware version: ELM_1000040844D, PCD Software version: CSC V1.24), hereafter referred to as the Product and identified above as "CSR with AMT (Automate Mass Transit)".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.FLO.PCD.CEN16794.2017.2022-002 dated 03/06/2022 and we have assessed your Test Report(s) (ref. IC.E.RE.2202.030 v1.0 Analog), 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/2022-001 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 17. June 2029

ii) If the Product is changed, FLOWBIRD 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 FLOWBIRD 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.

FLOWBIRD, Certificate Number: CNAPC/PCD-00030

Name: Ludovic VERECQUE

Title: General Manager

cofrac

CERTIFICATION
DE PRODUITS
ET SERVICES

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

a. PCD Product Description

[PCD1] Administrative data

[PCD1.1] (*) Brand name: FLOWBIRD

[PCD1.2] (*) Trade name: Cless Smart Reader, CSR with AMT (Automate Mass Transit)

[PCD1.3a] (*) Hardware version: ELM_1000040844D

[PCD1.3b] (*) Software version: CSC V1.24

[PCD1.4] (*) Reference of the contactless reader or antenna module: CPL528+ MUX585+ ANT585

[PCD1.4a] (*) Hardware version of the contactless reader or antenna module: 10089-41-D, 18045-10-A / ASK-KITCMBC / DE-19031-10 / SN:000022

[PCD1.4b] (*) Software version of the contactless reader or antenna module: CSC V1.24

[PCD1.5] (*) EMVCo Approval number (if applicable): Not applicable

The PCD is based on a STA certified PCD (*): Yes

If yes STA PCD certificate number (*): CNAPC/PCD-00010 & CNAPC/PCD-00009 & CNAPC/PCD-00008

If yes rationale to justify the delta-certification (*): The antenna integration and the plastic front face are different to comply with customer requirements.

b. PCD General Technical Characteristics

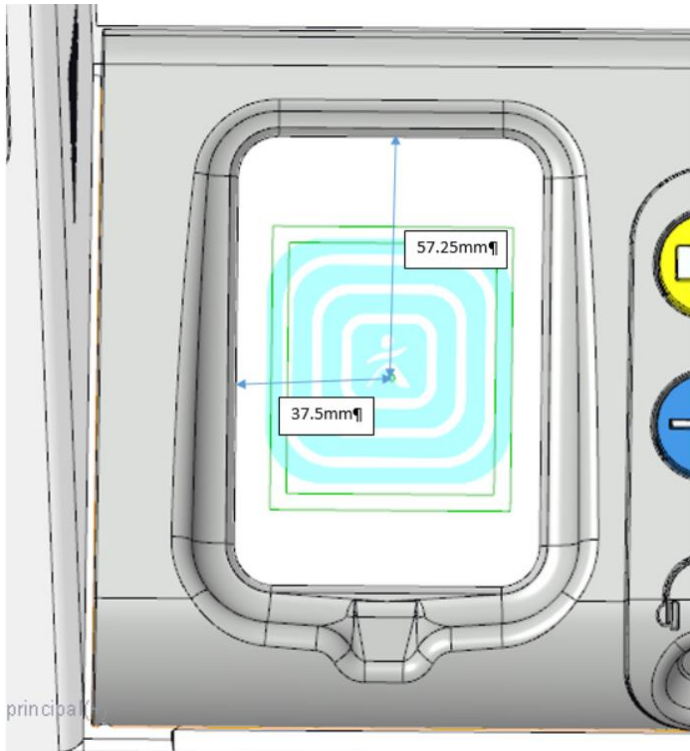[PCD2.1] (*) PT Reader Type: IFM Reader (Full range A and B)

[PCD2.2] (*) Transaction supported when more than one PICC in the field: No

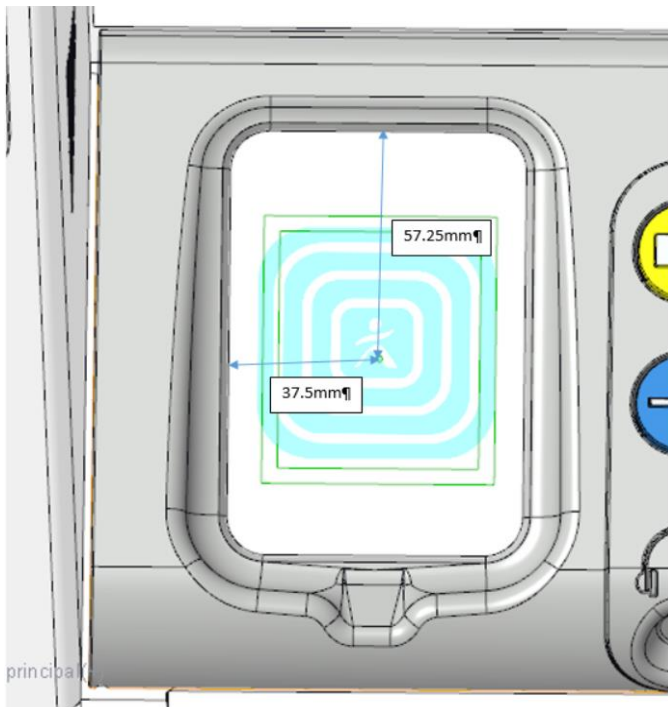[PCD2.3] (*) Operational temperature range supported: Class D (-25°C to + 55°C)

[PCD2.7] (*) Reference of the PCD Zero Point – Range A (target ID marked on sample or photo or diagram)

[PCD2.11] (*) Reference of the PCD Zero Point – Range B (target ID marked on sample or photo or diagram)

c. PCD Supported Options

[PCD3] Protocol characteristics

[PCD3] Protocol characteristics

    [PCD3.1] (*) Other supported communication signal interface(s) or protocol(s): Type A and B

    STM SR, CTS512B

[PCD4] Type A

    [PCD4.1] (*) PCD -> PICC bit rates supported: fc/128 (~106 kbit/s)

    Other: 212 kbits/s

    [PCD4.2] (*) PICC -> PCD bit rates supported: fc/128 (~106 kbit/s)

    Other: 212 kbits/s

[PCD5] Type B

    [PCD5.1] (*) PCD -> PICC bit rates supported: fc/128 (~106 kbit/s)

    Other: 212 kbits/s

    [PCD5.2] (*) PICC -> PCD bit rates supported: fc/128 (~106 kbit/s)

    Other: 212 kbits/s

d. PCD Test Parameters

[PCD6] Test parameters

    [PCD6.2c] (*) PCD internal output buffer size (used for Maximum size of UT_APDU): Supérieur ou égal à 264 octets

    [PCD6.2d] (*) PCD internal input buffer size (used for Maximum size of response UT_APDU): Supérieur ou égal à 264 octets