



On behalf of STA

Certification Body : **CNA-PayCert**

48 rue de Montmartre

75002 Paris

France

Paris, 12/01/2021

Mr Laurent KALAMBAYI  
Automatic Systems  
Avenue Lavoisier 17  
1300 WAVRE  
BELGIUM

### ***CEN TS 16794 Compliance Certificate - PCD***

Certificate Number: CNAPC/PCD-00022  
Product/System name: NVF (commercial identification)  
Compliant with : CEN/TS 16794-1:2017  
Operational temp. range : Class D (-25°C to +55°C)

Dear Mr KALAMBAYI,

CNA-PayCert has received a request, submitted by Automatic Systems, your company, for the Certification of the PCD product NVF, hereafter referred to as the Product and identified above as "NVF".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.AUT.PCD.CEN16794.2017.2020-017 and we have assessed your Test Report(s) (ref. IC.E.RE.2008.002\_v1.0 (Analog), IC.E.RE.2008.005\_v1.0 (Digital)), 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/PCD/2020-089 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 ([www.cna-paycert-certification.com](http://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 12/01/2028

ii) If the Product is changed, Automatic Systems 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 Automatic Systems 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



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## a. PCD Product Description

### [PCD1] Administrative data

[PCD1.1] (\*) Brand name: AUTOMATIC SYSTEMS

[PCD1.2] (\*) Trade name: NVF

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

[PCD1.3b] (\*) Software version: CSC1.25b

[PCD1.4] (\*) Reference of the contactless reader or antenna module: ASK: CPL528  
coupler + ACS580 1.5m cable + ANT581 antenna

[PCD1.4a] (\*) Hardware version of the contactless reader or antenna module:  
CPL528: DE-11005, ANT581: DE-20014

[PCD1.4b] (\*) Software version of the contactless reader or antenna module:  
CSC1.25b [PCD1.5] (\*) EMVCo Approval number (if applicable): NA

The PCD is based on a STA certified PCD (\*): No

If yes STA PCD certificate number (\*): NA

If yes rationale to justify the delta-certification (\*): NA

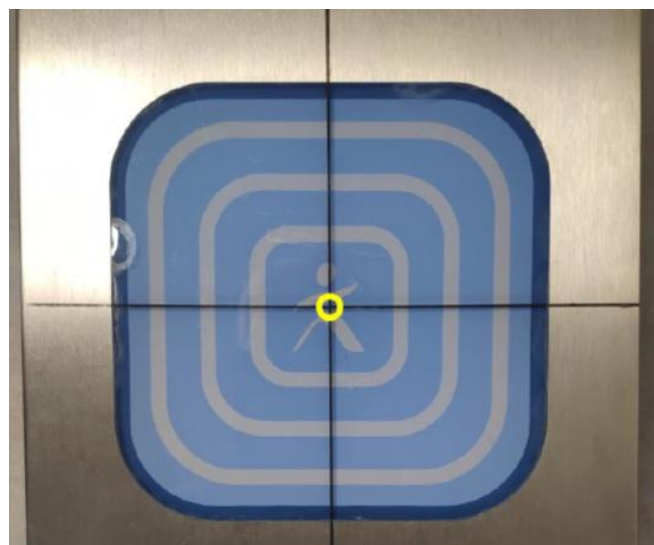
## b. PCD General Technical Characteristics

[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)



PCD Zero point is located at intersection of the black lines



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

Idem Range A

### c. PCD Supported Options

[PCD3] Protocol characteristics

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

A,

Type B, B' Innovatron, STM SR, CTS512B

[PCD4] Type A

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

Other: fc/64 (~212kbit/s) fc/32 (~424kbit/s)

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

Other: fc/64 (~212kbit/s) fc/32 (~424kbit/s)

[PCD5] Type B

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

Other: fc/64 (~212kbit/s) fc/32 (~424kbit/s)

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

Other: fc/64 (~212kbit/s) fc/32 (~424kbit/s)

### d. PCD Test Parameters

[PCD6] Test parameters

[PCD6.2c] (\*) PCD internal output buffer size (used for Maximum size of UT\_APDU): 256 bytes

[PCD6.2d] (\*) PCD internal input buffer size (used for Max size of response UT\_APDU): 256 bytes