



**PayCert**  
48 rue Montmartre  
75002 Paris  
France

Paris, 07 March 2025

**RATP SMART SYSTEMS**  
8 Av. Montaigne  
93160 Noisy-le-Grand  
FRANCE

***CEN/TS 16794-1:2017 Compliance Certificate - PCD***

*A Smart Ticketing Alliance certification program*

Certificate Number: **CNAPC/PCD-00048**  
Product/System name: PAX A920PRO (commercial identification)  
Compliant with : CEN/TS 16794-1:2017  
PT reader type : IFM Reader – up to 2 cm  
Operational temp. range : Class A (Ambient)

Dear Customer,

The Certification Body PayCert has received a request, submitted by RATP SMART SYSTEMS, your company, for the Certification of the PCD product PAX A920PRO (PCD Hardware version: A920PRO, PCD Software version: ANDROID 10), hereafter referred to as the Product and identified above as “PAX A920PRO”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.RAT.PCD.CEN16794.2017.2025-001 dated 2025/02/11 and we have assessed your Test Report(s) (ref. IC.E.RE.2412.002 V1.0 (Analog), IC.E.RE.2412.003 V1.0 (Digital)), which was generated by ICUBE TESTING CENTER, following the Test Plan “CEN/TS 16794-2:2017”.

Based on these elements, as indicated in PayCert’s Certification Report (ref. CER/EVR/PCD/2025-032 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product comply to the CEN/TS 16794-1:2017 specification.

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](http://www.cna-paycert-certification.com)).



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Please note that the present Certification (ref. CER/CLE/PCD/2025-044 v1.0.0) 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 06 March 2032.

ii) If the Product is changed, RATP SMART 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 RATP SMART 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.

**RATP SMART SYSTEMS, Certificate Number: CNAPC/PCD-00048**

Name: Laurence Masson

Title: Chief Operating Officer



Accréditation n°5-0673  
Portée disponible sur  
[www.cofrac.fr](http://www.cofrac.fr)



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## Extract of ICS

### **a. PCD Product Description**

[PCD1] Administrative data

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

[PCD1.2] (\*) Trade name: A920PRO

[PCD1.3a] (\*) PCD Hardware version: A920PRO

[PCD1.3b] (\*) PCD Software version: ANDROID 10

[PCD1.4] (\*) Reference of the contactless reader: Chipset NFC FM17660

[PCD1.4a] (\*) Hardware version of the contactless reader: Antenna A77-RF-ANTENNA-V02-PCB, PN : 300100170000091

[PCD1.4b] (\*) Software version of the contactless reader: Firmware FUDAN NFC v.108.502

[PCD1.5] (\*) EMVCo Contactless Approval number (if applicable): 17898 0622 310 31a 31a BCTS

[PCD1.6] (\*) Hardware provided to the test Laboratory :

~~Reader module to to be integrated in a final product~~

~~Part of the final product~~

Final product

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

If yes STA PCD certificate number (\*): N/A

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

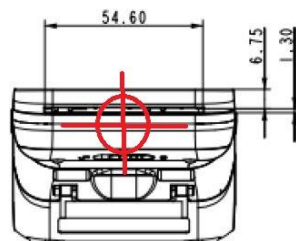
### **b. PCD General Technical Characteristics**

[PCD2.1] (\*) PT Reader Type: IFM reader – up to 2 cm

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

[PCD2.3] (\*) Operational temperature range supported: Class A (Ambient)

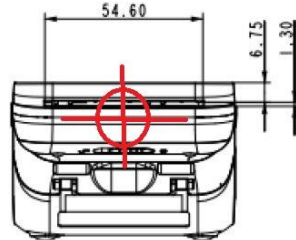
[PCD2.7] (\*) Reference of the PCD Zero Point – Range A (target ID marked on sample or photo or diagram)





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[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

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

[PCD4] Type A

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

Other: N/A

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

Other: N/A

[PCD5] Type B

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

Other: N/A

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

Other: N/A

### d. PCD Test Parameters

[PCD6] Test parameters

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

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