



On behalf of STA

Certification Body : **CNA-PayCert**

48 rue Montmartre

75002 Paris

France

Paris, 19/11/2021

Mr. Mohamed TABET  
PROTON WORLD INTERNATIONAL NV  
190 Avenue Celestin Cop  
13106 Rousset Cedex  
France

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

Certificate Number: CNAPC/PIC-00017  
Product/System name: CD21 Flash CLAP by IDEMIA (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. TABET,

CNA-PayCert has received a request, submitted by PROTON WORLD INTERNATIONAL NV, your company, for the Certification of the PICC product CD21 Flash CLAP by IDEMIA (IC type: ST31G256SQ, Application Type: Calypso Light Application (CLAP), Antenna TOYO Aluminium IN201), hereafter referred to as the Product and identified above as "CD21 Flash CLAP by IDEMIA".

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.STM.PICC.CEN16794.2017.2019-012 and we have assessed your Test Report(s) (ref. (analog) : IC.E.RE.1909.011\_v1.0, (digital) : IC.E.RE.1909.012\_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/2019-104 v2.0.0) 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 30 October 2026.

ii) If the Product is changed, PROTON WORLD INTERNATIONAL NV 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 PROTON WORLD INTERNATIONAL NV 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.

**The present certification letter supersedes the certification letter  
ref. CER/CLE/PIC/2019-104 v1.0.0 issued on 30/10//2019**

Name: Ludovic VERECQUE

Title: General Manager



## 1.1 PICC Product Description

[PICC1] Administrative data

[PICC1.1] (\*) Brand name: CD21 Flash CLAP by IDEMIA

[PICC1.2] (\*) Trade name: CD21 Flash CLAP by IDEMIA

[PICC1.3a] (\*) Hardware version: Revision B

[PICC1.3b] (\*) Software version: Revision 0x10 Version 0x01 FW 473

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

[PICC1.5] (\*) IC manufacturer: STMicroelectronics

[PICC1.6] (\*) IC reference / size: ST31G256SQ

## 1.2 PICC General Technical Characteristics

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



[Click here to enter text.](#)

[PICC2.3] (\*) 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] (\*) Protocol(s) supported: 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 Kbits/s

[PICC5.2] (\*) PICC -> PCD bit rates supported:  fc/128 (~106 kbit/s)  
Other: 212 Kbits/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: 0x10

[PICC5.10] (\*) S(PARAMETERS) support:  Yes  No

[PICC5.11] (\*) All AFIs are supported:  Yes  No  
If not, indicate all supported AFI(s): [Click here to enter text.](#)

[PICC5.12] (\*) REQW/WUPB with N > 1 support:  Yes  No