On behalf of STA

Certification Body : **CNA-PayCert**
48 rue Montmartre
75002 Paris
France

Paris, 21/12/2018

Mr. Thierry SERT
Watchdata Technologies
1330, rue G. de la Lauzière
13856 Aix-en-Provence
France

CEN TS 16794 Compliance Certificate - PICC

Certificate Number:	CNAPC/PIC-00011
Product/System name:	TimeCOS Fly Calypso v1.0 (commercial identification)
Compliant with :	CEN/TS 16794-2:2017
Operational temp. range :	Class B (-10°C to +50°C)
ISO 14443 antenna class :	Class 1
Protocol supported :	type B

Dear Mr. Thierry SERT,

CNA-PayCert has received a request, submitted by Watchdata Technologies, your company, for the Certification of the PICC product TimeCOS Fly Calypso v1.0 (Chip : SLE 77CLFxyP(M), HW: 1.0 SW: 1.1, Antenna type : Watchdata 12100801, Application Type: Calypso version: Rev XXX), hereafter referred to as the Product and identified above as “TimeCOS Fly Calypso v1.0”.

In connection with your request, we have received your Implementation Conformance Statement (ICS), referred to as PAY.WDT.PICC.CEN16794.2017.2018-005 V2.1 and we have assessed your Test Report(s) (ref. (analog) : KL.E.RE.1809.002_v1.0, (digital) : KL.E.RE.1811.004_v1.0), which was generated by KEOLABS, following the Test Plan “CEN/TS 16794-2:2017”.

Based on these elements, as indicated in PayCert’s Certification Report (ref. CER/CLE/PIC/2018-075 v1.0.0) the Certification Body has found reasonable evidence that the submitted samples of the Product complies to the CEN/TS 16794-2:2017.

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The Certification Body hereby grants the Product Certification of compliance with the requirements stated by the CEN/TS 16794-2:2017 standard and will include your Product in the certified products list, published on CNA-PayCert website (http://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 21/12/2025.

ii) If the Product is changed, Watchdata Technologies 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 16794-2:2017 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 Watchdata Technologies 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.

Ludovic VERECQUE

Signature numérique de Ludovic VERECQUE
DN : cn=Ludovic VERECQUE, o=PayCert, ou=General Manager, email=ludovic-verecque@paycert.eu, c=FR
Date : 2019.01.04 14:29:04 +01'00'

Name: Ludovic VERECQUE

Title: General Manager

a PICC Product Description

[PICC1] Administrative data

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

[PICC1.2] (*) Trade name: TimeCOS Fly Calypso version 1.0

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

[PICC1.3b] (*) Software version: 1.1

[PICC1.4] (*) PICC features ISO/IEC 7816 contact interface (dual): ☐YES ☒NO

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

[PICC1.6] (*) IC reference / size: SLE 77CLFxyP(M)

b PICC General Technical Characteristics

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

[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 ☒"Class1" ☐"Class2" ☐"Class3"

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: 106 kbit/s

Other: 212 kbits/s, 424 kbits/s, 848 kbits/s

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

Other: 212 kbits/s, 424 kbits/s, 848 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

[PICC5.10] (*) S(PARAMETERS) support: ☐YES ☒NO

[PICC5.11] (*) All AFIs are supported: ☐YES ☒NO

[PICC5.12] (*) REQB/WUPB with N > 1 support: ☒YES ☐NO