



## EMVCo Product Approval (IC)

**Please accept this document as confirmation of the EMVCo Security Evaluation process**

The ICCN number must be mentioned to all vendors or when shipping the product.

The use of the ICCN number is limited to the product as detailed below.

Please also reference the ICCN number in any communication with EMVCo.

**ICCN: ICCN0243**

**Date ICCN issued: 28 Feb 2017**

**ICCN Expiry Date: 28 Feb 2022**

**Company: Thales DIS Design Services SAS**

**Master Component: ORION\_CB\_03**

**Hardware Revision: rev. C**

Child Lot 1: -

Child Lot 2: -

Child Lot 3: -

Child Lot 4: -

Child Lot 5: -

Manufacturing site(s): UMC Fab 12i (Singapore)

Firmware name / version: ROM Firmware rev. B - FLASH Firmware rev. 03

Crypto. library name / version: -

Other libraries name / version: -

Bootloader name / version: Loader v2.0

Security Laboratory: Leti

User Guidance: - Orion - User Manual, v1.2, 11 Apr 2017

- Secure 32 bits CPU Embedded Application Binary Interface (EABI), v0.6, March 2013

- Secure 32 bits CPU Instruction Set Architecture, v1.1b, January 2019

- Orion Security Guidance, v0.27, 7 May 2021

- Orion Loader - User Manual, v1.7, 16 Jan 2017

- Guidance, Secure Delivery, v1.0, 12 Dec 2016

- Orion - Assembly Instructions, version 0.2, 13 Nov 2015

**Conditions of Certification: Guidance document(s) must be followed.**

Disclaimer: Although the secure implementation of any security mechanisms and product functionalities may be evaluated, the EMVCo Security Evaluation Process does not validate the cryptographic algorithms, methods and protocols themselves nor the absence of flaws or defects in the specifications used for product development.

The EMVCo Security Evaluation Process is intended to provide valuable and practical information relating to the general security performance characteristics and the suitability of use for smart card related products and IC chip-based tokens. The EMVCo Security Evaluation Process is designed to ensure a robust security foundation for these products at the product family and component level. The EMVCo Security Evaluation Process is an evolving process in relation to new attack techniques and technology. EMVCo therefore reserves the right to perform new/random security testing throughout the lifetime of the card which may impact certification. The full terms and conditions upon which EMVCo Compliance Certificates are issued by EMVCo are contained in the EMVCo Security Evaluation Process Document and the EMVCo Security Evaluation Certification Contract.