|  |
| --- |
| PURE Contactless Reader/Kernel  Implementation Conformance Statement |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Object |
| 1.0 | 26/07/2016 | PURE Certification Scheme | Release |
| 1.1 | 03/10/2016 | PURE Certification Scheme | Various Clarifications |
| 1.2 | 02/08/2019 | PURE Certification Scheme | Updates within section 3.5, Added section 3.6, addition within section 4. |
| 1.3 | 12/02/2021 | PURE Certification Scheme | Updates within section 3.1-Vendor identification |
| 1.4 | 13/11/2024 | PURE Certification Scheme | Updates within section 3.4-Implementation details |
| 1.5 | 16/01/2025 | PURE Certification Scheme | Updates within section 3.5-Contactless Terminal Capability |

Table of Contents

[1 Introduction 4](#_Toc188262788)

[2 Specifications References 5](#_Toc188262789)

[3 Product Identification 6](#_Toc188262790)

[3.1 Vendor Identification 6](#_Toc188262791)

[3.2 Type of Request 7](#_Toc188262792)

[3.3 PURE Product Identification 7](#_Toc188262793)

[3.4 Implementation details 7](#_Toc188262794)

[3.5 Contactless Terminal capability 10](#_Toc188262795)

[3.6 Dynamic Transaction Parameters 11](#_Toc188262796)

[4 Appendix 12](#_Toc188262797)

[4.1 Information to communicate to CB laboratory 12](#_Toc188262798)

[4.2 Testability of transaction recovery feature 12](#_Toc188262799)

[4.3 Additional information - Terminal 12](#_Toc188262800)

[4.4 Additional information – EMVCo Level 1 Certification\* 13](#_Toc188262801)

[4.5 Software POI components identification 14](#_Toc188262802)

[4.6 Configuratble solutions 15](#_Toc188262803)

[5 Comments and Explanations 16](#_Toc188262804)

[6 Test Laboratory Identification 17](#_Toc188262805)

[6.1 Identification 17](#_Toc188262806)

[7 ICS Status 18](#_Toc188262807)

# Introduction

This Implementation Conformance Statement is a structured document describing capabilities and specific requirements implemented by the product (Reader/Kernel Product) submitted for testing. This template must be completed for products submitted to receive PURE Certification.

The ICS will be part of the PURE certificate to be issued and provides information about the implementation. The process of testing and certification is described in the PURE Certification Operational Procedure.

# Specifications References

| **Reference** | **Document title and availability** | **Specification provider** |
| --- | --- | --- |
| [Kernel\_PURE\_SPEC] | PURE Contactless Reader version 2.1.8 | Thales DIS |

# Product Identification

## Vendor Identification

|  |  |
| --- | --- |
| Vendor Identification | |
| **Company Name:** | Click Here to Enter Text. |
| On behalf of (\*): | Click Here to Enter Text. |
|  | (\*) Please fill this section in case the Vendor does not hold a PURE technology (sub)license agreement.  In such a case please provide in attachement a confirmation from the the licensee that the Vendor acts on their behalf and check the box below.  The technology provider, owner of the PURE technology (sub)license, has been informed and agrees that its Company name is mentioned in the certification letter. |
| Main Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |
| Backup Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |

ICS completed on: Click here to input a date.

## Type of Request

|  |  |
| --- | --- |
| **Type[[1]](#footnote-1)** |  |
| *If Renewal or Product Change* | |
| ***Previous ICS registration number:*** | Click Here to Enter Text. |
| *If Product Change* | |
| **S*ummary of changes:*** | Click Here to Enter Text. |

## PURE Product Identification

|  |  |
| --- | --- |
| Kernel Product Identification (software module) | |
| **Marketing Name:** | Click Here to Enter Text. |
| **ICS Registration Number[[2]](#footnote-2):** | Click Here to Enter Text. |
| **Technical Name & Version:** | Click Here to Enter Text. |
| **Checksum:** | Click Here to Enter Text. |
| **Checksum algorithm:** | Click Here to Enter Text. |
| **Application Specification version** | v2.1.8 |

## Implementation details

|  |  |
| --- | --- |
| Pure Kernel | |
| **Is Implementation Option 1 supported?**  **(GET DATA transaction) *[IO\_1]*** | Select an Item. |
| **Is Implementation Option 2 supported?**  **(PUT DATA transaction) *[IO\_2]*** | Select an Item. |
| **Is Implementation option 4 supported?**  **(Application Authentication Transaction) *[IO\_4]***  *Note: Support of this implementation option requires DDA support.* | Select an Item. |
| **Is Implementation option 6 supported?**  **(Long Tap support) *[LONG\_TAP]*** | Select an Item. |
| **Is Implementation option 7 supported?**  **(Online Additional Tap support) *[ONLINE\_TAP]*** | Select an Item. |
| **Is Implementation option 8 supported?**  **(Support of ECHO command for retrieval of the last GENERATE AC command response in case of torn transactions.) *[RECOVERY]***  *Note: See appendix 4.2 for testability constraints* | Select an Item. |

|  |  |
| --- | --- |
| Acquirer Option | Fully implemented and configurable in Contactless Application / Kernel Capabilities**[[3]](#footnote-3)** |
| **Online PIN support**  ***[ONLINE\_PIN]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| **Signature support**  ***[SIGNATURE]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| **Confirmation Code support as possible terminal CVM**  ***[CONFIRMATION\_CODE]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| **SDA support**  ***[SDA]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| **CDA support**  ***[CDA]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| **Other card interfaces support**  ***[OTHER\_INTERFACE]*** | YES  If not, please specify the reason: Click Here to Enter Text. |

|  |  |
| --- | --- |
| Pure Reader | |
| **Is reader within scope?**  ***[PURE\_READER]*** | Select an Item. |
| *If Yes* | |
| ***Reader identification & version:*** | Click Here to Enter Text. |
| ***Is Implementation option 3 supported?***  ***(FIXED AMOUNT- Please refer section 4 in [SPEC]) [IO\_3]*** | Select an Item. |
| ***Is Implementation option 5 supported***  ***(Capacity to restrict list of supported applications - Please refer section 4 in [SPEC]) [IO\_5]*** | Select an Item. |
| ***Is Implementation option 9 supported***  ***(Multi-Currencies support - Please refer C3.3 in [SPEC]) [MULTI\_CURRENCY]***  *Note: Multi-Currencies is considered as supported when either the reader database contains pre-processing limits for several currencies or when terminal application communicates systematically the pre-processing limits to use by the reader for the current transaction.* | Select an Item. |

*Note: Supported implementation options for both PURE Kernel and PURE Reader may be active or not according to effective kernel configuration.*

*Note: The test plan is determined by selected options and may result in several runs (full or partial) of the tests with different configurations. The Test Laboratory defines the main test configuration for a full run and additional configurations for targeted runs according to the test plan requirements. The Certification Body validates the resulting test plan during the review of the test report.*

## Contactless Terminal capability

|  |  |  |
| --- | --- | --- |
| **Reader product type: (select one option)** | Contactless Only Reader | |
| **Terminal type:** | Offline Only ***[OFFLINE\_ONLY]*** | Select an Item. |
| Online capable ***[ONLINE\_OFFLINE]*** | Select an Item. |
| Restricted to online only ***[ONLINE\_ONLY]*** | Select an Item. |
| ATM ***[ATM] / [NOT\_ATM]*** | Select an Item. |
| **Additional terminal Capabilities:** | Goods & Services (Purchase) transactions | YES  If not, please specify the reason: Click Here to Enter Text. |
| Cash transaction ***[CASH]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| Cashback ***[CASHBACK]*** | YES  If not, please specify the reason: Click Here to Enter Text. |
| Key Revocation ***[KEY\_REVOCATION]*** | Select an Item. |
| Exception File ***[EXCEPTION\_FILE]*** | Select an Item. |

*Note: Terminal capabilities may not be part of the test scope but may impact the testability of some kernel and / or features.*

*Note: The test plan is determined by selected options and may result in several runs (full or partial) of the tests with different configurations. The Test Laboratory defines the main test configuration for a full run and additional configurations for targeted runs according to the test plan requirements. The Certification Body validates the resulting test plan during the review of the test report.*

*Note: If the terminal supports more than one configuration (‘Online capable’ and/or ‘Online only’ and/or ‘Offline only’) one of these configurations should be considered as the main one (answer "YES" in the ICS) and the other(s) should be considered additional (answer "CONFIGURABLE" in the ICS).  
If one of the supported configuration is 'Online capable', then this configuration should always be considered as the main one ([ONLINE\_OFFLINE] = "YES") for the testing.*

*Note: If the terminal is an ATM or ATM capable, then the ‘Online only’ configuration should be supported ([ONLINE\_ONLY] = "YES" or "CONFIGURABLE").*

## Dynamic Transaction Parameters

The kernel design may enforce the presence of certain data elements within the Dynamic Transaction Parameters sent to the Kernel. Please check below, which data elements are always mandated:

|  |  |
| --- | --- |
| Data mandated by design in DTP | |
| **Amount, Authorized (Numeric) *[DTP\_AAN]*** | Select an Item. |
| **Authorisation Response Code *[DTP\_ARC]*** | Select an Item. |
| **Issuer Authentication Data *[DTP\_IAUD]*** | Select an Item. |
| **Memory Slot Read Template *[DTP\_MSRT]*** | Select an Item. |
| **Memory Slot Update Template *[DTP\_MSUT]*** | Select an Item. |
| **Transaction Currency Code *[DTP\_TCC]*** | Select an Item. |
| **Transaction Date *[DTP\_TD]*** | Select an Item. |
| **Transaction Type *[DTP\_TT]*** | Select an Item. |
| **Unpredictable Number *[DTP\_UN]*** | Select an Item. |
| Other | |
| Unpredictable Number (tag ‘9F37’) is systematically generated by the kernel internally ***[DTP\_INT\_UN]*** | Select an Item. |
| Terminal application is designed to determine an online transaction disposition based on the authorization response message and will not activate the reader/kernel ***[DTP\_MSG\_DISP]*** | Select an Item. |

# Appendix

## Information to communicate to CB laboratory

|  |  |
| --- | --- |
| Contactless Terminal details | |
| **Terminal serial number** | Click Here to Enter Text. |
| **Version number** | Click Here to Enter Text. |
| **Other information and comments** | Click Here to Enter Text. |
| Test Terminal Application | |
| **Test application version** | Click Here to Enter Text. |

## Testability of transaction recovery feature

If kernel supports RECOVERY and only kernel certification is requested (PURE Reader is not used), then the reader software used (Ex: Entry point) should support any one of the below for Generate AC torn transactions (1st GENERATE AC and 2nd GENERATE AC):

                        SELECT ADF or

                        SELECT PPSE and SELECT ADF

This is to avoid issues with tests related to Generate AC torn transactions.

## Additional information - Terminal

|  |  |
| --- | --- |
| **Device/terminal identification & version** | Click Here to Enter Text. |
| **Operatig system/platform** | Click Here to Enter Text. |
| PCD Information | |
| *Provide unique identification number(s) assigned to identify the PCD embedded in the contactless product* | |
| **PCD ID** | Click Here to Enter Text. |
| **PCD Hardware/model** | Click Here to Enter Text. |
| **PCD software name** | Click Here to Enter Text. |
| **PCD software version** | Click Here to Enter Text. |
| *Note: PCD is the peripheral device of the terminal that uses inductive coupling to provide power to the PICC (and mobiles) and also to control the data exchange with the PICC. The PCD can be attached or integrated to a POS terminal.* | |

## Additional information – EMVCo Level 1 Certification\*

|  |  |
| --- | --- |
| EMV™ Contactless Protocol Version Supported | Click Here to Enter Text. |
| Date EMV™ Contactless Protocol Certification Received \*\* | Click Here to Enter Text. |
| Level 1 Approval number | Click Here to Enter Text. |
| Level 1 expiry date | Click Here to Enter Text. |
| *\* PURE Kernel should be submitted for evaluation with a contactless reader that has already been EMVCo Level 1 certified in order to ensure proper evaluation of kernel features.*  *\*\* If device not yet submitted for EMV Contactless Protocol Certification, please provide a test report from an EMVCo Lab* | |

## Software POI components identification

*Please fill in the following table with all software components(except PURE kernel) present on the product (Terminal application, Reader module, other kernel(s)).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Software POI Components** | | | | | |
| *Type of Component* | *Product Name* | *Provider* | *Software Version* | *Checksum* | *Checksum Algorithm* |
| Terminal application | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |
| Select an Item. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. | Click Here to Enter Text. |

## Configuratble solutions

The test plan is determined by the options selected in the ICS and may result in several runs (full or partial) of the tests with different configurations.

In that case, the Test Laboratory defines the main test configuration for a full run and additional configurations for targeted runs according to the test plan requirements:

* Main configuration: full run;
* Additional configuration: only the test cases having the specific applicability condition.

For the terminal type options (cf. §3.5), the laboratories shall determine the main configuration, by giving priority to the *[ONLINE\_OFFLINE]* and *[ NOT\_ATM]* configurations*.*

For other options (cf. §3.5), the configurable option shall be activated in the main configuration and deactivated in an additional configuration*.*

# Comments and Explanations

Comments and addition explanations:

Click Here to Enter Text.

# Test Laboratory Identification

## Identification

|  |  |
| --- | --- |
| Test Laboratory Identification | |
| **Company Name:** | Click Here to Enter Text. |
| Main Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |
| Backup Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |

# ICS Status

|  |  |
| --- | --- |
| **Status:** | To be Validated |

|  |  |
| --- | --- |
| Certification Body Identification | |
| **Company Name:** | Click Here to Enter Text. |
| Main Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |
| Backup Contact | |
| **Contact Name:** | Click Here to Enter Text. |
| **Address:** | Click Here to Enter Text. |
| **Telephone:** | Click Here to Enter Text. |
| **Fax Number:** | Click Here to Enter Text. |
| **Email Address:** | Click Here to Enter Text. |

ICS number[[4]](#footnote-4): **Click Here to Enter Text.**

Date of validation by the Certification Body: Click here to input a date**.**

Signature of the Certification Body’s Representative:



1. *Renewal:* Renewal of an already certified kernel without changes.

   *Product Change:* Subsequent submission of an already certified kernel in a modified environment (different reader module or terminal …).

   *New Certification:* All other cases. [↑](#footnote-ref-1)
2. To be allocated and filled by the Certification Body [↑](#footnote-ref-2)
3. All Acquirer Options are mandatory to be implemented. However, deviations can be possible due to specific terminal environments. Such cases must be discussed with the Certification Scheme before the certification. [↑](#footnote-ref-3)
4. to be allocated and filled by the Certification Body [↑](#footnote-ref-4)