



CFCF Terminal and Acquirer Certification Policy based on nexo specifications

Annex 5

Change Management of CFCF Certificates

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1 Glossary, abbreviations and references

This document is an update to annex n°1 [CFCF Process] of the “CFCF Terminal and Acquirer Certification Policy based on nexo Specifications” referred hereafter as [CFCF Policy] describing in detail the evaluation procedure for terminals and acquirer systems based on nexo specifications.

For definitions please refer to the Glossary section (section 1) of [CFCF Policy].

For abbreviations please refer to the Abbreviations section (section 2) of [CFCF Policy].

For reference documents please refer to the References section (section 3) of [CFCF Policy].

2 Introduction

This chapter describes the overall Change Management of CFCF certificates applicable to POI and Acquirer Host applications developed following the nexo implementation specification (nexo IS) as defined in [CFCF References].

The Change Management Process describes the process to be followed by the Vendor, the Test Laboratory, and the Certification Body to achieve a certification more efficiently.

3 Principles

3.1 Applying Test Plans

The functional testing within CFCF is performed using:

1. The Complete nexo Test Plan

The Complete nexo test plan is provided by the nexo A.I.S.B.L. and is structured following the functionalities of nexo IS.

The Complete nexo Test Plan is always used for the first evaluation and certification of a nexo IS implementation.

2. The Common Core Non-Regression Test Plan

The test cases of the Common Core Non-Regression Test Plan target at a random testing of the complete functionality of the tested solution including the defined positive test cases. The Common Core Non-Regression Test Plan is always used completely. The Common Core Non-Regression Test Plan is defined by CFCF. It represents 20-30% of the full test plan.

The Common Core Non-Regression Test Plan is used for all subsequent delta testing of nexo IS implementations to assure the overall functionality of the complete modified nexo IS implementation.

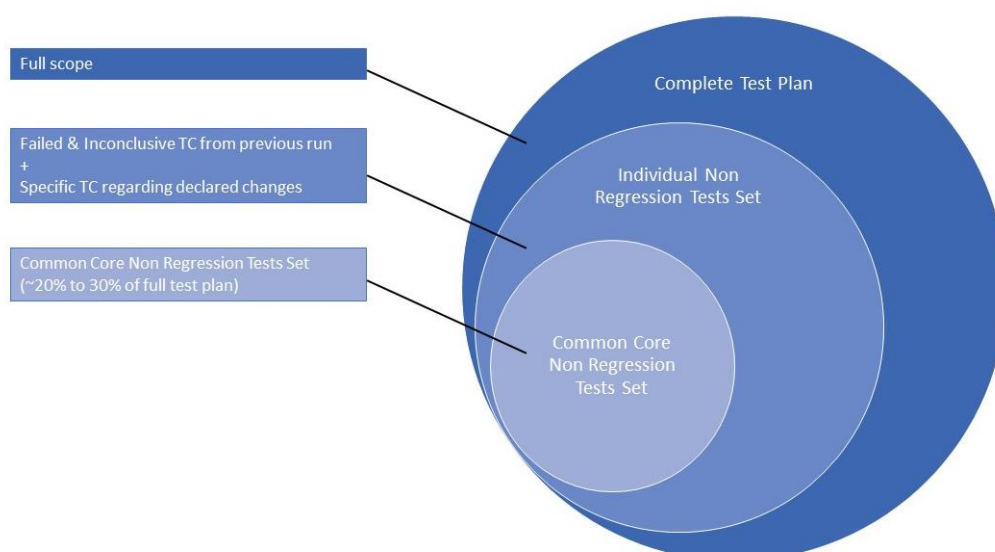
The Common Core Non-Regression Test Plan is not published.

3. Individual Non-Regression Test Plans

Individual Non-Regression Test Plans are used for all subsequent delta testing of nexo IS solutions to test the modified or extended implementation.

An individual Non-Regression Test Plans is defined by the test laboratories depending on the individual testing needs and is agreed on by the Certification Bodies. It must include at least failed and inconclusive test cases from previous runs and all relevant test cases regarding the changes declared in the ICS.

Individual Non-Regression Test Plans are not published.



3.2 Generic Use Cases / Types of Certification

These Test Plans apply to the following use cases:

1. First Certification of a nexo IS implementation (1st and subsequent runs)

When nexo IS is newly implemented and the implementation has not been certified before, the Complete nexo Test Plan applies. A nexo IS solution upgraded to a new major specification version (e.g. v3.x to 4.0) is considered as a new implementation with complete testing.

If the Complete nexo Test Plan is not passed in the first run of the testing, the test laboratory will execute the failed tests in subsequent runs using adequate Individual Non-Regression Test Plans in agreement with the Certification Body and the Common Core Non-Regression Test Plan in order to assure the conformance of the complete product.

No more than three test runs are allowed. If three runs cannot be finalized without failures the Complete nexo Test Plan applies again.

2. Delta Certification of a certified nexo IS Implementation

When the certified implementation of nexo IS was modified or extended (the changes are described in the ICS), the Individual Non-Regression Test(s) for the changed part(s) of the nexo IS implementation are identified and selected based on the Complete nexo Test Plan.

The Common Core Non-Regression Test Plan must be performed in addition to the Individual Non-Regression Test Plans to ensure that the change has no impact on the other parts of the implementation.

3. Delta Certification of a certified nexo IS implementation with environment changes

Other components than the ones defined in the nexo specifications have changed (e.g. Operating system, Application manager, EMV contact/contactless kernels, Level 1,...). For instance, the testing of the EMV-Kernel and the EMV based contactless kernels are out of scope of the CFCF. The nexo test plan used by CFCF is focused on the integration of the EMV based contactless kernel in the nexo FAST application; it does not test for example the exchange between the kernel and the card.

The Common Core Non-Regression Test Plan will be performed to ensure that the changes have no impact on the nexo IS implementation.

Use Case for POI	Full scope	Individual NR	Common Core NR
1 st Run of a new non certified implementation	X		
Subsequent runs of an evaluation (discrepancies fixed)		X	X
Adding new optional feature(s) (e.g. new kernel, new service, retailer protocol,...)		X	X
HSM Upgrade with changes on the embedded API			X
New hardware (screen, printer, 3G, GPRS,...)			X
Environment change (kernel update, Entry Point, OS, Level 1 ...)			X

Use Case for Acquirer	Full scope	Individual NR	Common Core NR
1 st Run of a new non certified implementation	X		
Subsequent runs of an evaluation (discrepancies fixed)		X	X

4 General Change Management for the Testing Process

