



NEXO ANNUAL CONFERENCE  
PARIS OCTOBER 1-2, 2018





# Nexo standards testing tools and processes

## Certification and test tool qualification

NEXO ANNUAL CONFERENCE, PARIS OCTOBER 1-2, 2018



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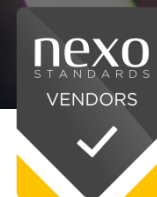
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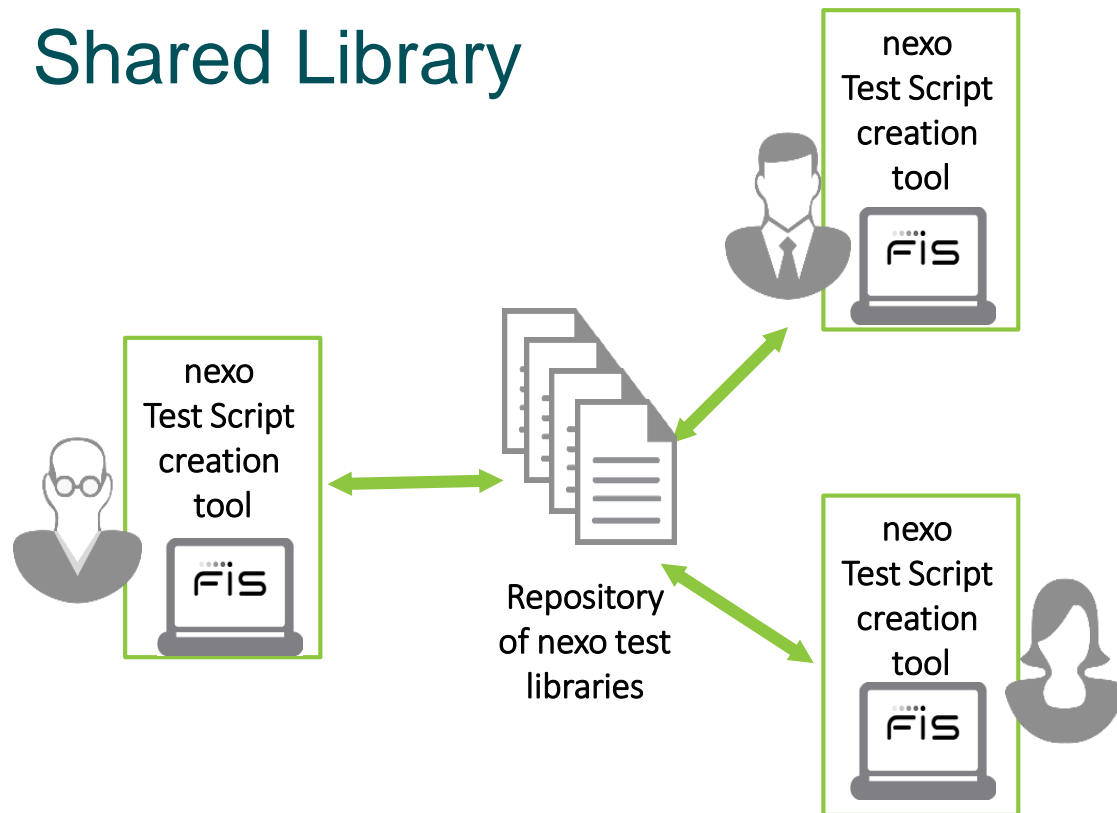
# Summary of testing solution delivered

- Component A: Test Script creation tool and repository for:
  - POI Test scripts
  - Acquirer Test scripts
- Component B: Creation of the executable test scripts, covering nexo-IS V4.0
  - Test Library for POI testing
  - Test Library for Acquirer testing
- Component C: POI Test Solution and Acquirer Test Solution
  - Both implement V6.0 of the MUG with the test cases coming from nexo-IS v4.0



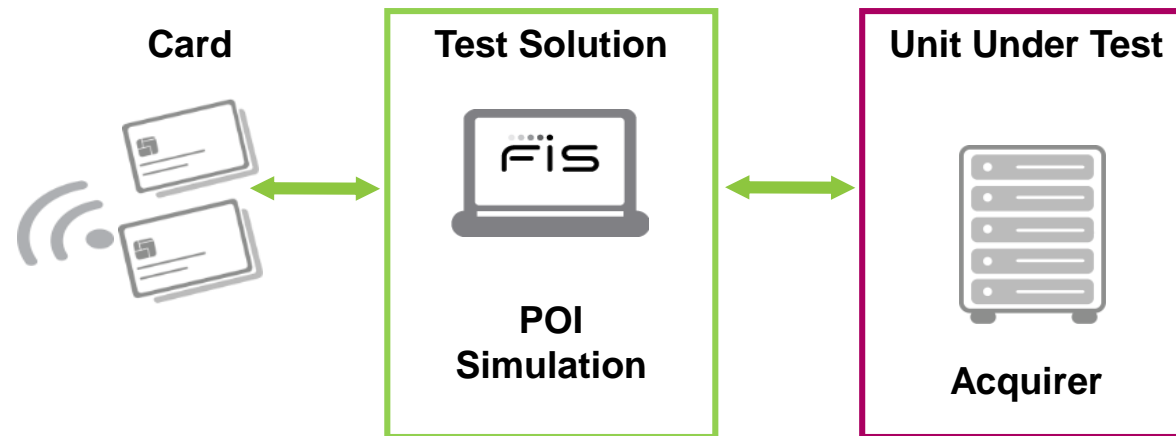
# Test Script creation tool and repository

## Shared Library



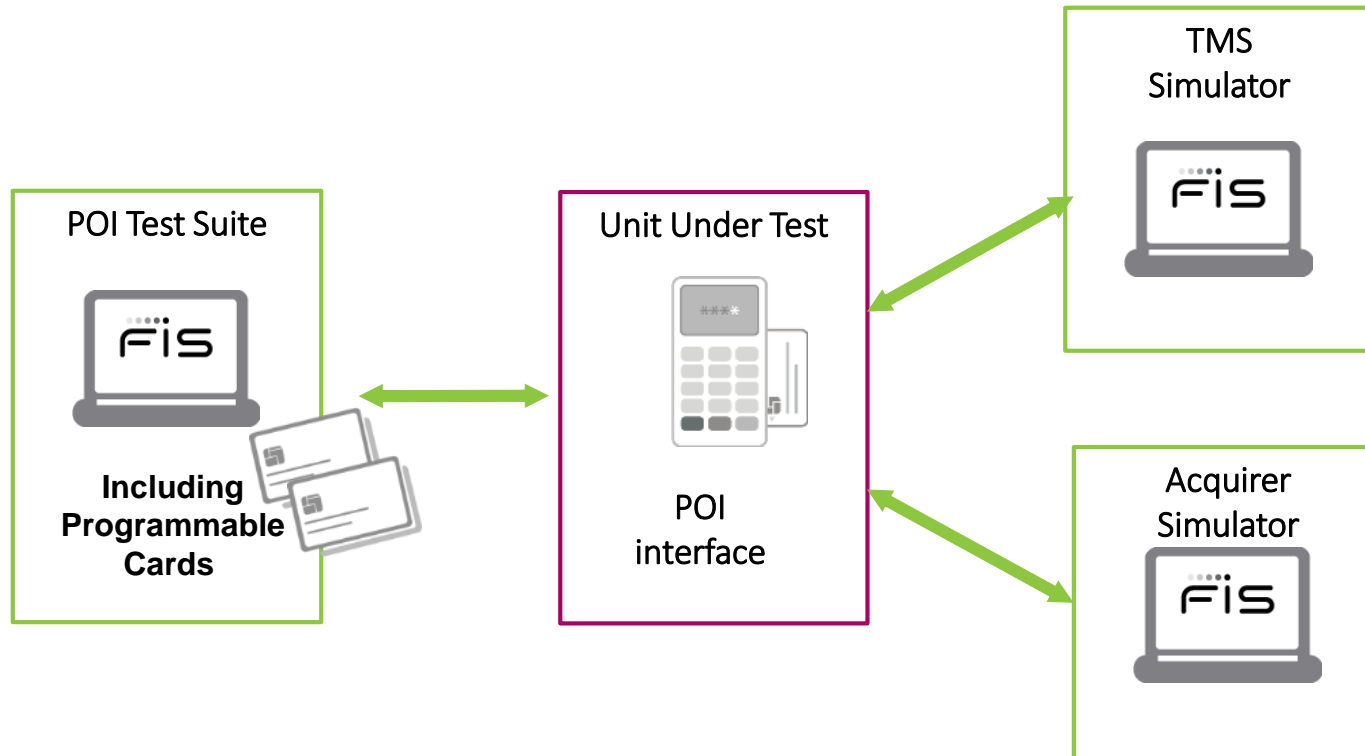
- Certification test plan can only be edited by users approved by the nexo committee
- User is allowed to define a new test libraries with a set of test scripts and store them in a central repository
- User should be able to "lock" the official test library after making changes and download it from the repository so that it can be distributed to nexo members
- Initially contains the test scripts implemented by FIS as defined in Component B

# Acquirer testing



- nexo IS Acquirer Test solution includes:
  - nexo POI Simulator
  - nexo-IS 4.0 Acquirer test scripts

# POI testing



- nexo IS POI Test solution includes:
  - nexo Acquirer Simulator
  - nexo TMS Simulator
  - a set of programmable cards
  - optional support for test probe
  - nexo-IS 4.0 POI test scripts



# Platform Modes

- **2 different modes will be supported**
  - Runtime
  - Development
- **Certain features of the application will be enabled/disabled based on a permission/licensing system.**
- **Runtime: users cannot modify the test scripts but can only execute them**
- **Development: users will be able to create their own test scripts (while official test library is locked)**





# Supported Card Types

- **Visa contact (VIS 1.6)**
- **Visa contactless (VCPS 2.2)**
- **Mastercard contact (MChip Advance 1.2)**
- **Mastercard contactless (MChip Advance 1.2)**
- **Amex contact (AEIPS 4.3)**
- **Amex contactless (ExpressPay 3.1)**
- **Discover contact (D-PAS 1.1)**
- **Discover contactless (D-PAS 1.0)**
- **Union Pay contact (CUP International 1.0.2)**
- **Union Pay contactless (CUP International 1.0.2)**
- **JCB contact (JSMART 3.1)**
- **JCB contactless (JSMART 3.1)**
- **GIE CB Cards**
- **GIROCARD/GBIC Cards**



## Features of the solution

- Simulators and connections.
- Test Preparation – Messages and test case creation, validation.
- Test Execution and viewing results.
- Log data recorded during execution – viewing, extracting details.
- Reporting of results.
- General configuration for the application. ICS support, global parameters.





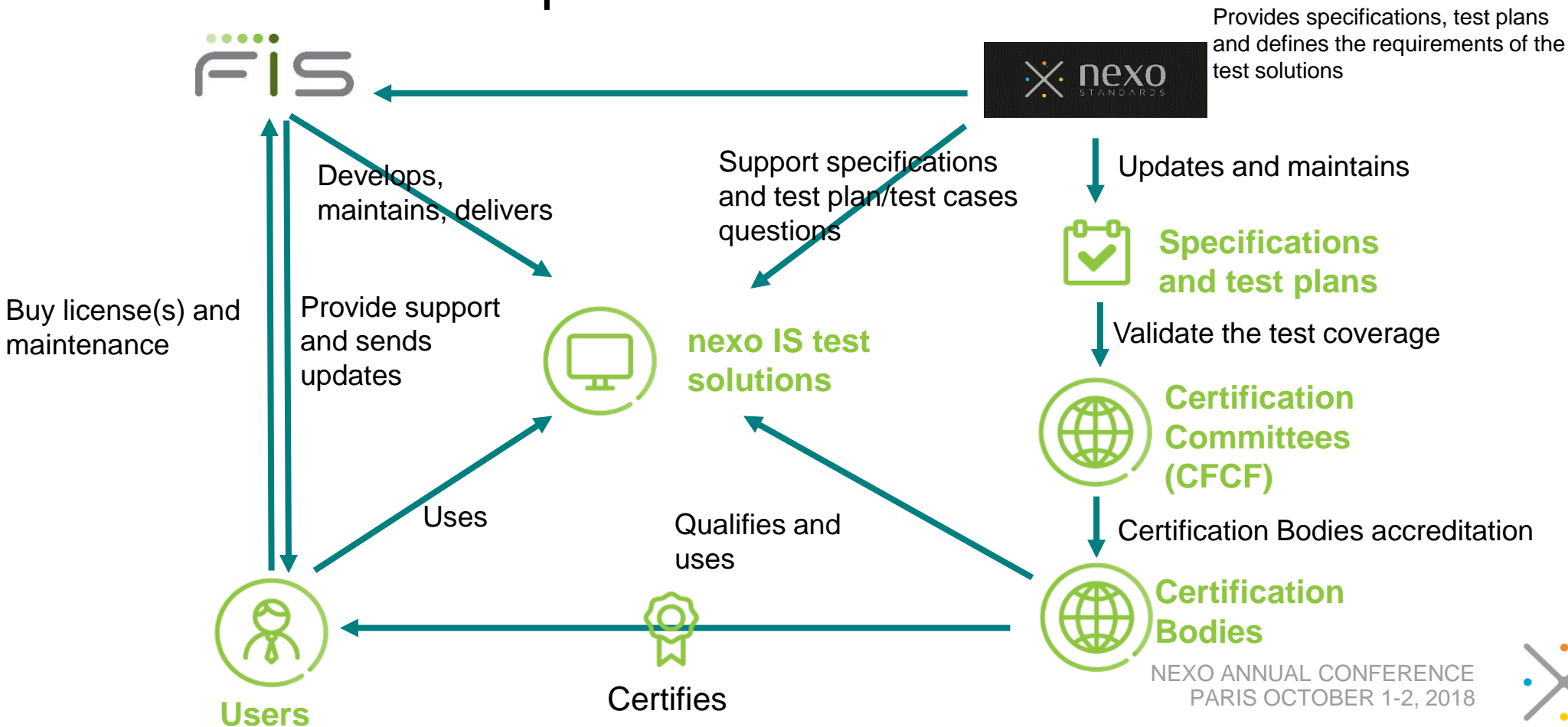
## What will you get from the tools?

- Ensure compliance with an all-in-one test solution
- Peace of mind: start your certification process with confidence
- Complete: all nexo test cases included
- Go fast to market by utilising automated testing and reporting
- Be more efficient: use during the entire product life cycle
- Help ensure quality, functionality and high performance
- Your test environment is always available
- Reduce your costs: avoid errors post launch

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# Nexo and FIS processes



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More information available at

[FIS testing tools](#)

or email [Frank.Kidd@fisglobal.com](mailto:Frank.Kidd@fisglobal.com)