nShield Smart Cards

nShield Security World Card Release Notes

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1. Introduction

These release notes apply to the nShield Security World Card v2.0.

The release notes contain information specific to this release such as new features, defect fixes, and known issues. They may be updated with issues that have become known after this release has been made available. For the latest version, see https://trustedcare.entrust.com/. Access to the Support Portal is available to customers under maintenance. To request an account, contact nshield.support@entrust.com.

We continuously improve the user documents and update them after the general availability (GA) release. Changes in the document set are recorded in these release notes and are published at https://nshielddocs.entrust.com.

1.1. Versions of these Release Notes

Revision	Date	Description
1.0	2025-05-09	First published version

2. Purpose of this release

Entrust is releasing a new smart card called "nShield Security World Card". This new card is capable of both local and remote admin and is replacing all previous generations of smart cards. Updated cards along with updated firmware, Connect image and client-side software is required. This document contains all the details required to use the new cards.

nShield releases will continue to support older generations of smart cards. Any change to this will be clearly announced in the Security World release notes.

3. nShield Security World Card v2.0

The new nShield Security World Card v2.0 is a new nShield smart card that supports both local and remote operation. The new card supports all Security World versions.

3.1. Card identification

The new card can be identified visually as it contains the following updated branding:

The new card can be identified using the nShield software and the `slotinfo` command. The card type will return as `Type3SmartcardRevB`.

4. nShield HSM Support

The new Security World cards require updated firmware and Connect image to work. Attempting to use the new cards with older releases that does not support the cards will not work and the cards will not be recognized. This section contains details of the firmware and Connect images required to use the new cards. The support has been back ported to a number of recent firmware releases ensuring an updated certified version of firmware is available to use the new cards.

If the firmware supports the new cards, it will list `Type3SmartcardRevB` in the `Level six flags` when running `enquiry` against the firmware. See enquiry for more information.

4.1. nShield 5 HSM Support

4.1.1. nShield 5s

The following versions of nShield 5s contain support for the new Security World v2.0 cards:

Version	Purpose
v13.5.1	Common Criteria certified and latest
v13.4.5	FIPS 140-3 certified
v13.2.4	FIPS 140-3 certified

4.1.2. nShield 5c

The nShield 5c image must contain an updated version of nShield 5s firmware that support the new cards. When selecting a nShield 5c image ensure it contains a supported nShield 5s firmware listed in the table.

Version	Supported 5s FW
v13.6.5 and later	• v13.5.1 • v13.4.5 • v13.2.4

4.2. nShield XC HSM Support

4.2.1. nShield Solo XC

The following versions of nShield Solo XC firmware contain support for the new Security World v2.0 cards:

Version	Purpose
v13.5.3	Latest
v12.72.3	FIPS 140-2 certified

There is no Solo XC Common Criteria release that supports the new nShield Security World cards. Contact your Account Executive for further information.

4.2.2. nShield Connect XC

The nShield Connect XC image must contain an updated version of nShield Solo XC firmware that support the new cards. When selecting a nShield Connect XC image ensure it contains a supported nShield Solo XC firmware listed in the table.

Version	Supported Solo XC FW
v13.6.3 and later	• v13.5.3 • v12.72.3

4.3. nShield Edge HSM Support

An updated certified version of nShield Edge firmware has been released which contains support for the new Security World v2.0 cards:

Version	Purpose
v12.72.2	FIPS 140-2 certified

4.4. nShield Solo+ and Connect+

The nShield Solo+ and Connect+ HSM does not support the new v2.0 nShield Security World card. Contact your Account Executive for further information.

5. Security World and Remote Admin Support

The new Security World cards require updated client-side to work alongside the updated firmware and Connect image. Attempting to use the new cards with older releases that does not support the cards will not work and the cards will not be recognized. This section contains details of the client-side required to use the new cards.

The support has been aligned to the Long-Term Support software release process. See the nShield Security World Release Information for more information.

5.1. nShield Security World

The following Security World version includes support for the new v2.0 nShield Security World card. This includes support by the remote admin client software installed with Security World.

- v13.6.3 and later

5.2. Remote Admin Client Standalone

The following Remote Admin standalone release supports the new v2.0 nShield Security World card:

- v13.6.8 and later