

Product Qualification Operations Bulletin

No. 29 • November 2021

SCO Update (v5.0) related to Communication protocols

1.1 About this bulletin

The Product Qualification Operations Bulletin aims to present the GlobalPlatform Product Qualification Process changes and updates.

When an effective date is mentioned for a change, the change must be implemented as of that date; Changes for which no effective date is specified in the article are effective immediately.

1.1 Summary

Article Summary:	The following official Type Approval Bulletin describes the update of the SCO related to Secure Element communication protocols
Type:	Operation Requirement Update
Effective Date:	Applicable immediately
Applicability:	All Configurations and related Test Suites

1.2 Impact on the SCO

In order to align communication protocols indicated in the SCO and the ones used by laboratories during product qualification, SCO has been updated as follows:

A.5.11 – Communication Protocol(s) used by the Test Tool to qualify the Product for the GP configuration selected in A.2 <i>(if Multi-Protocol, list all protocols to be used)</i>	<input type="checkbox"/> T = 0 <input type="checkbox"/> T = 1 <input type="checkbox"/> Contactless Protocol Type A ⁽¹⁾ <input type="checkbox"/> Contactless Protocol Type B ⁽¹⁾ <input type="checkbox"/> SWP Protocol ⁽²⁾ (GP HCI gate) <input type="checkbox"/> GP SE Abstract Communication Layer ⁽³⁾
---	--

NOTE: in case multiple Test Suites and multiple Protocols are chosen, please indicate which protocol(s) shall be used for each Test Suite

/Description :

⁽¹⁾ This option is only supported for Mapping Guidelines, Basic Financial, Financial and Common Implementation configurations

⁽²⁾ This option is only supported for Secure Element Configurations.

⁽³⁾ This option, based on TCP/IP, is agnostic from the transport protocol(s) supported by the Product.

There are 5 protocols allowing to connect to Secure Element thanks to specific reader:

- *T=0*
- *T=1*
- *Contactless Protocol Type A*
- *Contactless Protocol Type B*
- *SWP Protocol*

One additional protocol has been added:

- *GlobalPlatform Secure Element Abstract Communication Layer*

This new option allows remote communication with Secure Element thanks to TCP/IP protocol.

The following protocols have been removed from the SCO as they are neither validated nor supported by test tools yet:

- *GP APDU Transport over SPI/I2C*
- *Other protocol*

In case several Test Suites and several Communication Protocols are indicated in the SCO, vendor should also mention which protocol(s) to use for each Test Suite.

1.3 Examples of usage

In case the Secure Element product supports T=0 but intention is to perform qualification over the GP SE Abstract Communication Layer, this last option (i.e. GP SE ACL) shall be chosen in section A.5.11 and T=0 shall not be ticked.

In case the Secure Element product supports proprietary transport protocol but intention is to perform qualification over T=0 thanks to a virtual PC/SC reader, this last option (i.e. T=0) shall be chosen in section A.5.11.

1.4 For more information

Please contact the Compliance Secretariat: gpcompliance@globalplatform.org