

# Basic Scene Selector NLC Profile (BSSNLCP)

**Bluetooth® Implementation Conformance Statement (ICS) Proforma**

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# 1 General principles

## 1.1 Implementation Under Test (IUT) identification

Using the Bluetooth SIG qualification tool, the implementer is expected to declare details about what will be implemented.

## 1.2 Enforcement of inter-layer dependencies

This ICS includes one or more tables with inter-layer dependencies (ILDs). ILDs are used for specification requirements that are dependent on other supporting specifications. ILDs can refer to an individual ICS item in a separate layer (individual ILD), or it can refer to the full layer (full-layer ILD).

ILDs residing in an X2Core layer will be enforced from the Bluetooth SIG qualification tool in the following conditions, depending on where the referred ILD is residing:

| Referred ILD resides in | Individual ILD  | Full-layer ILD  |
|-------------------------|---|---|
| Controller layer        | Core-Complete configuration, or Referred layer is supported                             | N/A   |
| Lower HCI layer         | HCI is supported  | N/A   |
| Upper HCI layer         | Core-Host configuration, or UHCI is supported   | N/A   |
| Host layer              | Core-Host configuration, or Core-Complete configuration, or Referred layer is supported | N/A   |
| X2Core layer            | Core-Host configuration, or Core-Complete configuration, or Referred layer is supported | Core-Host configuration, or Core-Complete configuration |

Table 1.1: Enforcement of an ILD within the Bluetooth SIG qualification tool

## 2 ICS declarations

### 2.1 Versions

Table 0: X.Y Versions

| Item | Version      | Reference | Status |
|------|--------------|-----------|--------|
| 1    | BSSNLCP v1.0 | [1]       | M      |

Table 1: X.Y.Z Versions

| Item | Version        | Reference | Status |
|------|----------------|-----------|--------|
| 1    | BSSNLCP v1.0.1 | [4]       | O      |

### 2.2 Transports

Table 2: Transport Requirements

| Item | Transport                     | Reference | Status   |
|------|-------------------------------|-----------|----------|
| 1    | Profile supported over BR/EDR | [1] 2.6   | C.1      |
| 2    | Profile supported over LE     | [1] 2.6   | C.2, C.3 |

C.1: Excluded for this Profile.

C.2: Excluded for this Profile IF CORE 41/1 “BR/EDR Core Configuration” OR CORE 40/1 “Core-Controller”.

C.3: Mandatory for this Profile.

### 2.3 Features

Table 3: Features

Table number reserved but not yet in use.

### 2.4 Mesh Model requirements

Table 4: Mesh Model Features

| Item | Model                       | Reference | Status | Inter-Layer Dependency |
|------|-----------------------------|-----------|--------|------------------------|
| 1    | MMDL v1.1 or later          | [1] 2.5   | M      | [3] MMDL 0d/1          |
| 2    | Scene Client                | [1] 3.5   | M      | [3] MMDL 15/2          |
| 3    | Scene Recall Unacknowledged | [1] 3.5   | M      | [3] MMDL 17/6          |

## 2.5 Mesh Protocol requirements

Table 5: Mesh Protocol Features

| Item | Feature                   | Reference | Status | Inter-Layer Dependency |
|------|---------------------------|-----------|--------|------------------------|
| 1    | Node                      | [1] 3     | M      | [2] MESH 2/1           |
| 2    | Advertising Bearer        | [1] 3.2   | M      | [2] MESH 3/1           |
| 3    | Relay Feature             | [1] 3.3   | M      | [2] MESH 5/2           |
| 4    | GATT Bearer               | [1] 3.2   | M      | [2] MESH 3/2           |
| 5    | PB-GATT Server            | [1] 3.1   | M      | [2] MESH 4/2           |
| 6    | Proxy Server              | [1] 3.3   | M      | [2] MESH 12/1          |
| 7    | GATT Server over LE       | [1] 3.2   | M      | [2] MESH 12/2          |
| 8    | Mesh Provisioning Service | [1] 3.1   | M      | [2] MESH 13/1          |
| 9    | Mesh Proxy Service        | [1] 3.2   | M      | [2] MESH 13/2          |
| 10   | Composition Data Page 2   | [1] 2.1   | M      | [2] MESH 11/24         |

## 3 References

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- [1] Basic Scene Selector NLC Profile Specification, Version 1.0 or later
- [2] ICS Proforma for Mesh Protocol Specification (MESH)
- [3] ICS Proforma for Mesh Model Specification (MMDL)
- [4] Basic Scene Selector NLC Profile Specification, Version 1.0.1

## 4 Revision history and acknowledgments

### Revision History

| Publication Number | Revision Number | Date                    | Comments  |
|--------------------|-----------------|-------------------------|---|
| 0                  | p0              | 2023-09-19              | Approved by BTI on 2023-08-27. BSSNLCP v1.0 adopted by the BoD on 2023-09-12. Prepared for initial publication.   |
|                    | p1r00           | 2024-08-08              | TSE 25599 (rating 1): Per E25064 and E24815, added new X.Y.Z version as part of the .Z release. Added a reference to Basic Scene Selector NLC Profile Specification, Version 1.0.1.   |
| 1                  | p1              | 2024-10-08              | Approved by BTI on 2024-08-28. BSSNLCP v1.0.1 adopted by the BoD on 2024-10-01. Prepared for TCRL 2024-2-addition publication.  |
|                    | p2r00–r02       | 2025-12-09 – 2025-12-18 | TSE 28113 (rating 2): Updated Table 2 to add the missing condition to Core-Transport configurations and to include the exclusion of the layer for a Core-Controller.<br>Editorials to align the document with the current template. |
| 2                  | p2              | 2026-02-17              | Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.  |

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