

# 3D Synchronization Profile (3DSP)

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

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# 1 Identification of the implementation

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Identification of the Implementation Under Test (IUT) shall be filled in to provide as much detail as possible regarding version numbers and configuration options.

An ICS contact person to respond to queries regarding information supplied in this ICS proforma shall be named in Appendix A of the Declaration of Compliance: Summary of Selected Specifications in Implementation.

## 1.1 Implementation Under Test (IUT) identification

IUT Name:

IUT Version (Hardware/Software ID):

IUT Supplier:

## 1.2 Profile Version

**Table 0: Major Versions (X.Y)**

Item	Version	Reference	Status
1	3DSP 1.0	[1] 3DSP 1.0	C.1
2	No Longer Used	N/A	N/A
3	No Longer Used	N/A	N/A
4	No Longer Used	N/A	N/A

C.1: Mandatory to support together with an active minor version after the date of deprecation.  
 Deprecated 2014-04-22. Withdrawn 2022-02-01.

**Table 0a: Minor Versions (X.Y.Z)**

Item	Version	Reference	Status
1	No Longer Used	N/A	N/A
2	3DSP 1.0.1**	[6] 3DSP 1.0.1	Deprecated 2021-02-01. Withdrawn 2022-02-01.
3	3DSP 1.0.2**	[8] 3DSP 1.0.2	Deprecated 2021-02-01. Withdrawn 2022-02-01.
4	3DSP 1.0.3	[9] 3DSP 1.0.3	C.2

C.1: No Longer Used

C.2: Mandatory IF 3DSP 0/1 “3DSP 1.0” is supported, otherwise Excluded.

## 1.3 Roles

**Table 1: Role Requirements**

Item	Role	Reference	Status
1	3DD – 3D Display	[1] 2.2	C.1
2	3DG – 3D Glasses	[1] 2.2	C.1

C.1: Mandatory to support at least one of 3DSP 1/1 “3DD – 3D Display” OR 3DSP 1/2 “3DG – 3D Glasses”.

## 1.4 3DD

### 1.4.1 3DD Features

**Table 2: 3DD Features**

*Prerequisite: 3DSP 1/1 “3DD – 3D Display”*

Item	Capability	Reference	Status
1	Frame Sync	[1] 2.6.1, 4	M
2	Proximity Association Response	[1] 2.6.2, 5	M
3	Reference Protocol Association Notification Reception	[1] 2.6.6	O

\*\* Deprecated versions may not appear in Launch Studio after the deprecation date. TCRLs published after this date will not allow the use of deprecated versions.



Item	Capability	Reference	Status
4	3DG Connection Announcement Reception	[1] 2.6.3	C.1
5	Battery Level Reporting Reception	[1] 2.6.7, 6.4.2	C.2
6	Association Notification Reception	[1] 2.6.4, 7.5	C.3
7	3D Broadcast Message Transmission	[1] 2.6.8	M

C.1: Mandatory IF 3DSP 2/3 “Reference Protocol Association Notification Reception” is supported, otherwise Optional.

C.2: Optional IF 3DSP 2/4 “3DG Connection Announcement Reception” is supported, otherwise Excluded.

C.3: Mandatory IF 3DSP 2/3 “Reference Protocol Association Notification Reception” OR 3DSP 2/5 “Battery Level Reporting Reception” is supported, otherwise Optional IF 3DSP 2/4 “3DG Connection Announcement Reception” is supported, otherwise Excluded.

## 1.4.2 Proximity Association

**Table 3: 3DD Proximity Association**

*Prerequisite: 3DSP 1/1 “3DD – 3D Display”*

Item	Capability	Reference	Status
1	Class of Device	[1] 5.1.1	M
2	3D Information EIR Field	[1] 5.1.2.1	M
3	Legacy 3D Information EIR Field	[1] 5.1.2.2	M
4	TX Power Level Field	[1] 5.1.2.3	M

## 1.5 3DG

### 1.5.1 3DG Features

**Table 4: 3DG Features**

*Prerequisite: 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status
1	Proximity Association Initiation	[1] 5.3	M
2	Legacy Association Notification Transmission	[1] 2.6.4	O
3	3DG Connection Announcement Transmission	[1] 6.2	C.1
4	Battery Level Reporting Transmission	[1] 6.4.1	C.2
4a	Support for User Request for Battery Level Display	[1] 6.4.1	O
5	Association Notification Transmission	[1] 6.3.1	C.2
6	3D Broadcast Message Reception	[1] 8.5	C.3
7	Shutter Control	[1] 9.3	M

C.1: Mandatory IF 3DSP 4/2 “Legacy Association Notification Transmission” is supported, otherwise Optional.

- C.2: Optional IF 3DSP 4/3 “3DG Connection Announcement Transmission” is supported, otherwise Excluded.
- C.3: Mandatory IF 3DSP 4/2 “Legacy Association Notification Transmission” OR 3DSP 4/4 “Battery Level Reporting Transmission” is supported, otherwise Optional IF 3DSP 4/3 “3DG Connection Announcement Transmission” is supported, otherwise Excluded.

## 1.5.2 Proximity Association

**Table 5: 3DG Proximity Association**

*Prerequisite: 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status
1	Class of Device	[1] 5.1.1	M
2	Path Loss Threshold	[1] 5.3	M
3	3D Information EIR Field	[1] 5.1.2.1	M

## 1.6 Profile and Protocol Dependencies

### 1.6.1 Link Manager Protocol Dependencies

**Table 6: 3DD Baseband Conformance**

*Prerequisite: 3DSP 1/1 “3DD – 3D Display”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Connectionless Peripheral Broadcast Transmitter	[1] 10.1	M	[3] BB 3a/1
2	Synchronization Train	[1] 10.1	M	[3] BB 9c/1

**Table 7: 3DG Baseband Conformance**

*Prerequisite: 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Connectionless Peripheral Broadcast Receiver	[1] 10.1	M	[3] BB 3a/2
2	Synchronization Scan	[1] 10.1	M	[3] BB 9c/2

### 1.6.2 Generic Access Profile Dependencies

**Table 8: 3DD Generic Access Profile Conformance**

*Prerequisite: 3DSP 1/1 “3DD – 3D Display”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Synchronizable mode	[1] 10.3	M	[2] GAP 1/9
2	Non-synchronizable mode	[1] 10.3	M	[2] GAP 1/8
3	General discoverable mode	[1] 10.3	M	[2] GAP 1/3



**Table 9: 3DG Generic Access Profile Conformance***Prerequisite: 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Synchronization Establishment as receiver	[1] 10.3	M	[2] GAP 4/7
2	Non-synchronizable mode	[1] 10.3	M	[2] GAP 1/8

### 1.6.3 Logical Link Control and Adaptation Protocol Dependencies

**Table 10: 3DD L2CAP Conformance***Prerequisite: 3DSP 1/1 “3DD – 3D Display”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Unicast Connectionless Data, Reception	[1] 10.2	C.1	[4] L2CAP 2/35

C.1: Mandatory IF 3DSP 2/5 “Battery Level Reporting Reception” OR 3DSP 2/6 “Association Notification Reception” is supported, otherwise Optional.

**Table 11: 3DG L2CAP Conformance***Prerequisite: 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Ability to transmit an unencrypted packet over a Unicast connectionless L2CAP channel	[1] 10.2	C.1	[4] L2CAP 2/36

C.1: Mandatory IF 3DSP 4/4 “Battery Level Reporting Transmission” OR 3DSP 4/5 “Association Notification Transmission” is supported, otherwise Optional.

### 1.6.4 SDP Dependencies

**Table 12: SDP Conformance***Prerequisite: 3DSP 1/1 “3DD – 3D Display” OR 3DSP 1/2 “3DG – 3D Glasses”*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Support for Server role	[1] 10.4	M	[5] SDP 1b/1
2	Support for respond on search of single Service, using ServiceSearchRequest.	[1] 10.4	M	[5] SDP 2/1
3	Support for respond on search of Attribute(s).	[1] 10.4	M	[5] SDP 4/1
4	Support for respond on search for Service(s) and Attribute(s).	[1] 10.4	M	[5] SDP 6/1
5	ServiceName	[1] 10.4	O	[5] SDP 9/9



Item	Capability	Reference	Status	Inter-Layer Dependency
6	BluetoothProfileDescriptorList	[1] 10.4	M	[5] SDP 9/14
7	ServiceClassIDList	[1] 10.4	M	[5] SDP 9/19

## 2 References

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- [1] 3D Synchronization Profile Specification, Version 1.0 or later
- [2] ICS Proforma for Generic Access Profile (GAP)
- [3] ICS Proforma for Baseband (BB)
- [4] ICS Proforma for Logical Link Control and Adaptation Protocol (L2CAP)
- [5] ICS Proforma for Service Discovery Protocol (SDP)
- [6] 3D Synchronization Profile Specification, Version 1.0.1
- [7] Adopted Bluetooth Errata Service Releases, <https://www.bluetooth.org/en-us/specification/adopted-specifications>
- [8] 3D Synchronization Profile Specification, Version 1.0.2
- [9] 3D Synchronization Profile Specification, Version 1.0.3
- [10] [Appropriate Language Mapping Tables](#) document

### 3 Revision history and acknowledgments

#### Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2013-03-18	Prepare for Publication
	1.0.1r01	2013-09-03	Added Erratum 5256 and 3DSP 1.0.1 to Table 0. Created C.1 and C.2 conditionals. Added reference [6] to be 3DSP version 1.0.1 or later. Added reference [7] to be the Erratum location.
1	1.0.1	2013-10-22	Prepare for Publication
	1.0.2r01	2013-10-22	TSE 5241: Addition of item 4a in Table 4.
	1.0.2r02	2013-10-22	TSE 5364: Changed table condition for Table 1 , C.1: Mandatory to support at least one of 1/1 or 1/2
2	1.0.2	2013-12-03	Prepare for Publication
	1.0.2.0r00	2015-05-20	ESR08 update: Added item 4 to Table 0 for 3DSP 1.0.2 Added reference [8] for 3DSP 1.0.2
	1.0.2.0r01	2015-06-03	Converted to current document template.
3	1.0.2.0	2015-07-14	Prepared for TCRL 2015-1 publication
	1.0.3.0r00	2015-10-28	Updated version numbering to align with Specification version change to 1.0.3 for ESR09.
	1.0.3.0r01 to 1.0.3.0r03	2015-11-02 to 2015-11-23	Added item 0/5 for new Specification version 1.0.3 (ESR09). Added Table 0a for minor profile versions.
4	1.0.3.0	2015-12-22	Prepared for TCRL 2015-2 publication.
	1.0.3.1r00	2018-04-04	TSE 10571 (rating 1): Template Conversion.
5	1.0.3.1	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.0.3.2r00	2018-09-24	Drafted Deprecation /Withdrawal changes
6	1.0.3.2	2018-11-21	Approved by BTI. Prepared for TCRL 2018-2 publication.
	1.0.3.2ed2 r00	2021-01-12	TSE 15973 (rating 1): Changes for Deprecation. Minor editorials. Fixed instances of Master and Slave to Central and Peripheral, respectively.
	1.0.3.2 edition 2	2021-02-01	Approved by BTI on 2021-01-18. Prepared for edition 2 publication.
	1.0.3.2ed3 r00–r03	2021-03-15 – 2021-05-19	TSE 16564 (rating 1): Corrected logic issues by updating conditionals in Tables 0a and 4; updating items in Tables 6–12; and updating the Prerequisite in Table 12. Editorials to bring references up to latest drafting guidelines. Editorials from consistency checker.
	1.0.3.2 edition 3	2021-05-26	Approved by BTI on 2021-05-06. Prepared for edition 3 publication.

Publication Number	Revision Number	Date	Comments
	1.0.3.2 ed4r00	2021-07-15	TSE 17164 (rating 1): Corrected the deprecation date for 3DSP v1.0.
	1.0.3.2 edition 4	2021-08-19	Approved by BTI on 2021-08-19. Prepared for edition 4 publication.
	1.0.3.2 ed5r00–r01	2021-09-17 – 2021-09-24	TSE 17483 (rating 1): Corrected C.1 of Table 0 to align with more recent language conventions. Consistency checker editorials based on the latest ICS template.
	1.0.3.2 edition 5	2021-09-28	Approved by BTI on 2021-09-27. Prepared for edition 5 publication.

### Acknowledgments

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