

### ***Qualified Design Listing (QDL) Information:***

Member Company:	Movon Corporation
Declarer:	jeff song
Design Description:	Bluetooth Handsfree
Qualified Design ID:	B014118
Design Model number:	MK30
Product Type:	End Product
Hardware version number:	1.2
Software version number:	2.0
Qualification Assessment Date:	05/14/2008
Core Spec Version:	2.1/2.1+EDR
TCRL Release:	Core 2.1/2.1 + EDR TCRL-2007-1 (26-Jul-07)
Location of Compliance Folder for Audit:	6Fl. Hyunjuk Bldg. 140-28, Samsung-dong, Gangnam-gu Seoul, . 135-090 Korea
Member who will accompany the Audit:	Tim Ryu

### ***Declaration of Compliance (DoC)***

**WHEREAS**, the name of the declarer listed above whose corporation, (hereinafter the “Declarer”), has executed the Bluetooth Adopters Agreement, Bluetooth Promoters Agreement or the Membership Agreement as applicable (hereinafter the “Applicable Agreement”).

**WHEREAS**, Declarer has developed a design, which incorporates all or parts of the Interface as defined in the Applicable Agreement, as listed above, (hereinafter the “Design”);

**WHEREAS**, based on best effort, the Declarer wishes to certify that the Design and the Interface fully complies (hereinafter “Bluetooth Compliant”) and will continue to comply with all applicable provisions of the Bluetooth Specifications indicated in the attached Appendix A (hereinafter the “Specification”);

**WHEREAS**, Design compliance with the Specification is a condition of patent licenses applicable to the Design granted under the Applicable Agreement;

**WHEREAS**, the Declarer issues this Declaration of Compliance, in order to certify that the Design is qualified as a Bluetooth Compliant Design;

**WHEREAS**, the Declarer is entrusted by the Bluetooth SIG, Inc., with the authority to list Designs as qualified;

**WHEREAS**, the Compliance Folder is the set of evidence required to demonstrate compliance of the Design to the Specification, and whereas the Compliance Folder is maintained by the Member.

**FURTHERMORE**, Declarer further undertakes and certifies that this Declaration of Compliance constitutes an essential element of the Design Qualification as required by the compliance requirements of the Specification, and acknowledges that the release of a Design which does not fully comply with all applicable provisions of the Specification may cause loss or harm to Fellow Adopters (“Fellow Adopters” as defined in the Specification).

**NOW THEREFORE**, the Declarer undertakes and certifies that the Design, as manufactured and marketed, fully complies with all applicable provisions of the Bluetooth Specifications indicated in Appendix A.

### ***Supplier Declaration of Conformity (SDoC)***

**WHEREAS**, the Declarer undertakes and certifies that the Design, as manufactured and marketed, fully complies with all applicable requirements for the declared product type (as shown above) as required by the compliance requirements of the Specification and provisions of the current version of the Bluetooth Qualification Program Reference Document (PRD) and its Addendum (if applicable).

**WHEREAS**, the Declarer acknowledges that the Bluetooth SIG, Inc. qualification tools and related programs are provided AS IS and that the Bluetooth SIG, Inc. does not accept any liability for Member’s use of such.

**THEREFORE**, the Declarer hereby recognizes that (i) license rights granted under the Applicable Agreement for this Design

only apply if this Design is compliant with the Requirements of the Bluetooth Qualification Program Reference Document (PRD), and (ii) hereby acknowledges a clear undertaking to comply with PRD policies (including QEP), and (iii) Declarer and Duly Authorized Officer of the Member Company authorizes Bluetooth SIG, Inc., to audit the qualification materials and any other materials necessary to verify compliance to the Qualification Requirements as specified in the Qualification Auditing, Surveillance and Enforcement (QEP) Policy document.

I HAVE READ THE ABOVE DECLARATION AND HEREBY AGREE TO ITS TERMS AND CONDITIONS.

ATTESTED BY DECLARER, AUTHORIZED BY A DULY AUTHORIZED OFFICER OF THE MEMBER COMPANY

By: \_\_\_\_\_ [Declarer] \_\_\_\_\_ [Date]

\_\_\_\_\_ [Duly Authorized Officer of Member Company] \_\_\_\_\_ [Date]

# Appendix A

## Combined QD ID(s) Claimed

Combined QD ID(s): [ B013295 ]

## Core PICS Information

**Summary ICS**  
External to all Layers

### Controller Core Specification

**Table 21: Controller Core Specification**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
5	Core Spec Version 2.1	SUM ICS	M.1	X
6	Core Spec Version 2.1 + EDR (Ver. 2.1 + EDR)	SUM ICS	M.1	X

For implementations supporting Ver. 2.0 + EDR or Ver 2.1 + EDR, the Supplier shall indicate support for one or more Enhanced Data Rate features (per specification Volume 0, Part B) in Table 22.

For implementations supporting Ver. 2.0 or Ver 2.1, the Supplier may indicate support for one or more Enhanced Data Rate features in Table 22.

M.1 Mandatory to choose at least one version from Table 21.

### EDR Features

**Table 22: EDR Features**

Prerequisite: 21/3 OR 21/4 OR 21/5 OR 21/6 (Ver. 2.0 or Ver. 2.0 + EDR or Ver. 2.1 or 2.1 + EDR)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	EDR for asynchronous transports (single slot)	SUM ICS	C.1	X
2	EDR for asynchronous transports (multi-slot)	SUM ICS	C.1	X
3	EDR for synchronous transports	SUM ICS	C.1	X

C.1 - For implementations supporting Ver. 2.1 + EDR, the Supplier shall indicate support for one or more Enhanced Data Rate features (per specification Volume 0, Part B) in Table 22.

**Product Type**  
External to All Layers

### Product Types

**Table 1: Product Types**

Please confirm the Product Type that was selected when Creating New Project

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	End Product	N/A	M.1	X
2	Component (Tested)	N/A	M.1	X

3	Component (Non-Tested)	N/A	M.1	X
4	Host Subsystem	N/A	M.1	X
5	Controller Subsystem	N/A	M.1	X
6	Profile Subsystem	N/A	M.1	X
7	Test Equipment	N/A	M.1	X
8	Development Tool	N/A	M.1	X

M.1: Must choose one and only one Product Type.

**Radio**  
Annex for Test Spec. Vol 2, Part A

### 1.3.1 General Information

**Table 1: RF Capabilities**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Power Class = 1	RF, 3	M.1	X
2	Power Class = 2	RF, 3	M.1	X
3	Power Class = 3	RF, 3	M.1	X
4	Power Control	RF, 3	C.1	X
5	1-slot packets supported	RF, 3.3	M	X
6	3-slot packets supported	RF, 3.3	O	X
7	5-slot packets supported	RF, 3.3	O	X
8	79 Channels	RF, 2	M	X
9	Support for GFSK modulation	RF, 3.1	M	X
10	Support for pi/4-DQPSK modulation	RF, 3.2	C.2	X
11	Support for 8DPSK modulation	RF, 3.3	C.3	X

M.1: Must choose One and only One Power Class

C.1: Mandatory to support IF Power Class 1 is supported, ELSE Optional

C.2: Mandatory IF SUM (21/4) OR SUM (21/6) is claimed, Optional IF SUM (21/3) OR SUM (21/5) is claimed, Excluded otherwise.

C.3: Mandatory IF SUM (21/4) OR SUM (21/6) is claimed, Optional IF RF(1/8) AND ( SUM (21/3) OR SUM (21/5) ) are claimed

**Baseband**  
Annex for Test Spec. Vol 2, Part B

### Physical Channel

**Table 1: Physical Channel**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support frequency band and 79 RF channels	BB, 2.1	M	X
2	Adaptive Frequency Hopping Kernel	BB, 2.6	M	X

**Table 1a: Modulation Schemes**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Basic Data Rate, 1 Mbps payload data rate	RF, 3.1	M	X
2	Enhanced Data Rate, 2 Mbps payload data rate	RF, 3.2	C.1	X
3	Enhanced Data Rate, 3 Mbps payload data rate	RF, 3.2	C.2	X

C.1 Mandatory IF SUMMARY(21/6) is claimed, Optional IF SUMMARY(21/5) is claimed

C.2 Mandatory IF SUMMARY(21/6) is claimed, Optional IF BB(1a/2) AND SUMMARY(21/5) are claimed

### Physical Links

**Table 2: Link Types**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of ACL link	BB, 5.2	M	X
2	Support of SCO link	BB, 5.4	O	X
3	Support of eSCO link	BB, 4.3	O	X
4	Support of Enhanced Data Rate ACL links	BB, 6.5.4	C.1	X
5	Support of Enhanced Data Rate eSCO links	BB, 6.5.3	C.2	X

C.1 Mandatory IF SUMMARY(22/1) OR SUMMARY(22/2) is claimed, Optional IF SUMMARY(21/5) OR SUMMARY(21/6) is claimed  
C.2 Mandatory IF SUMMARY(22/3) is claimed, Optional IF SUMMARY(21/5) OR SUMMARY(21/6) is claimed  
C.2 Mandatory IF SUMMARY(22/3) is claimed, Optional IF SUMMARY(21/5) OR SUMMARY(21/6) is claimed

**Table 3: SCO Link Support**

Prerequisite for Items (3/5-8):(2/3) (Support of eSCO link)

Prerequisite for Items (3/1-4):(2/2) (Support of SCO link)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	Values	
					Allowed	Supported
1	SCO links to same Slave	BB, 4.3	C.1	X	(1,2,3)	N/A <input type="checkbox"/>
2	SCO links to different Slaves	BB, 4.3	O	X	(1,2,3)	N/A <input type="checkbox"/>
3	SCO links from same Master	BB, 4.3	C.1	X	(1,2,3)	N/A <input type="checkbox"/>
4	SCO links from different Masters	BB, 4.3	O	X	(> 2)	
5	eSCO links to same Slave	BB, 4.2	C.2	X	(1,2,3,4,5,6)	N/A <input type="checkbox"/>
6	eSCO links to different Slaves	BB, 4.2	O	X	(2,3,4,5)	N/A <input type="checkbox"/>
7	eSCO links from same Master	BB, 4.2	C.2	X	(1,2,3,4,5,6)	N/A <input type="checkbox"/>
8	eSCO links from different Masters	BB, 4.2	O	X	(2,3,4,5)	N/A <input type="checkbox"/>

C.2: Mandatory to support at least One link (3/5 or 3/7)

C.1: Mandatory to support at least One link (3/1 3/3)

## Packet Types

**Table 4: Common Packet Types**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of ID packet type	BB, 6.5.1 BB,6.5.1.1	M	X
2	Support of NULL packet type	BB, 6.5.1 BB, 6.5.1.2	M	X
3	Support of POLL packet type	BB, 6.5.1 BB, 6.5.1.3	M	X
4	Support of FHS packet type	BB, 6.5.1 BB,6.5.1.4	M	X
5	Support of DM1 packet type	BB, 6.5.1 BB, 6.5.1.5 BB, 6.5.4 BB, 6.5.4.1	M	X

**Table 5: ACL Packet Types**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of DH1 packet type	BB, 6.5.4 BB,6.5.4.2	M	X
2	Support of DM3 packet type	BB, 6.5.4 BB,6.5.4.3	O	X
3	Support of DH3 packet type	BB, 6.5.4 BB,6.5.4.4	O	X
4	Support of DM5 packet type	BB, 6.5.4 BB,6.5.4.5	O	X
5	Support of DH5 packet type	BB, 6.5.4 BB,6.5.4.6	O	X
6	Support of AUX1 packet type	BB, 6.5.4	O	X

**Table 5a: Enhanced Data Rate ACL Packet Types***Prerequisite: 2/4 (Support of Enhanced Data Rate ACL Links)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support 2-DH1 packet type	BB, 6.5.4.8	C.1	X
2	Support 2-DH3 packet type	BB, 6.5.4.9	C.2	X
3	Support 2-DH5 packet type	BB, 6.5.4.10	C.2	X
4	Support 3-DH1 packet type	BB, 6.5.4.11	C.3	X
5	Support 3-DH3 packet type	BB, 6.5.4.12	C.4	X
6	Support 3-DH5 packet type	BB, 6.5.4.13	C.5	X

*C.1 Mandatory IF SUMMARY(22/1) OR SUMMARY(22/2) is claimed, Optional IF BB(1a/2) is claimed**C.2 Mandatory IF SUMMARY(22/2) is claimed, Optional IF BB(1a/2) is claimed**C.3 Mandatory IF SUMMARY(22/1) OR SUMMARY(22/2) is claimed, Optional IF BB(1a/3) is claimed**C.4 Mandatory IF SUMMARY(22/2) is claimed, Optional IF BB(5a/2) AND BB(5a/4) are claimed**C.5 Mandatory IF SUMMARY(22/2) is claimed, Optional IF BB(5a/3) AND BB(5a/4) are claimed***Table 6: SCO and eSCO Packet Types***Prerequisite for Items (6/1-4):(2/2) (Support of SCO link)**Prerequisite for Items (6/5-7):(2/3) (Support of eSCO link)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of HV1 packet type	BB, 6.5.2 BB,6.5.2.1	C.1	X
2	Support of HV2 packet type	BB, 6.5.2 BB,6.5.2.2	O	X
3	Support of HV3 packet type	BB, 6.5.2 BB,6.5.2.3	O	X
4	Support of DV packet type	BB, 6.5.2 BB,6.5.2.4	C.1	X
5	Support of EV3 packet type	BB, 6.5.3 BB,6.5.3.1	C.2	X
6	Support of EV4 packet type	BB, 6.5.3 BB,6.5.3.2	O	X
7	Support of EV5 packet type	BB, 6.5.3 BB,6.5.3.3	O	X

*C.1 Mandatory IF only (2/2) SCO link is supported**C.2 Mandatory IF only (2/3) eSCO link is supported***Table 6a: Enhanced Data Rate eSCO Packet Types***Prerequisite: 2/5 (Support of Enhanced Data Rate eSCO links)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support 2-EV3 packet type	BB, 6.5.3.4	C.1	X
2	Support 2-EV5 packet type	BB, 6.5.3.5	C.2	X
3	Support 3-EV3 packet type	BB, 6.5.3.6	C.3	X
4	Support 3-EV5 packet type	BB, 6.5.3.7	C.4	X

*C.1 Mandatory IF SUMMARY(22/3) is claimed, Optional IF BB(1a/2) is claimed**C.2 Optional IF BB(1a/2) is claimed**C.3 Mandatory IF SUMMARY(22/3) is claimed Optional IF BB(1a/3) is claimed**C.4 Optional IF BB(1a/3) is claimed***Access Procedures****Table 7: Page Procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support paging	BB, 8.3.2	M	X
2	Support page scan	BB, 8.3.1	M	X
3	<i>(Intentionally left blank)</i>			X
4	<i>(Intentionally left blank)</i>			X
5	Supports Interlaced Scan during page scan	BB, 2.4	O	X

**Table 8: Paging Schemes**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Supports mandatory scan mode	BB, 8.3 BB, table 6.5	M	X

**Table 9: Paging Modes**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Supports paging mode R0	BB, 8.3.1 BB, table 8.1	C.1	X
2	Supports paging mode R1	BB, 8.3.1 BB, table 8.1	C.1	X
3	Supports paging mode R2	BB, 8.3.1 BB, table 8.1	C.1	X

C.1: At least One of the paging scan modes Must be supported

**Table 9b: Paging Train Repetition**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Supports Npage >= 1	BB, 8.3.2 BB, table 8.2	O	X
2	Supports Npage >= 128	BB, 8.3.2 BB, table 8.2	O	X
3	Supports Npage >= 256	BB, 8.3.2 BB, table 8.2	M	X


Note: The master should use Npage >= 256 unless it knows what SR mode the slave uses.

**Table 10: Inquiry Procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support inquiry	BB, 8.4.2	O	X
2	Inquiry scan with first FHS	BB, 8.4.2	O	X
3	<i>(Intentionally left blank)</i>			X
4	<i>(Intentionally left blank)</i>			X
5	Supports the dedicated inquiry access code	BB, 6.3.1	O	X
6	Supports interlaced Scan during inquiry scan	BB, 2.5	O	X
7	Extended Inquiry Response	BB, 8.4.2, BB 8.4.3	O	X

**Networking Capabilities**

**Table 11: Piconet Capabilities**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	Values	
					Allowed	Supported
1	Broadcast messages	BB, 7.6.1 BB, 7.6.5	O	X	(N/A)	
2	Point-to-multipoint connections	BB, 1	O	X	(2,3,4,5,6,7)	N/A 

**Table 12: Scatternet Capabilities**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Act as Master in one piconet and Slave in another piconet	BB, 1	O	X
2	Act as Slave in more than one piconet	BB, 1	O	X

**Synchronous Data Formats**

**Table 13: Synchronous Coding Schemes**

Prerequisite: 2/2 (SCO link support)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	A-law	BB, 9.1	O	X

2	u-law	BB, 9.1	O	X
3	CVSD	BB, 9.2	O	X
4	Transparent Synchronous Data	BB, 5.4 BB, 5.5	O	X

## Erroneous Data Reporting

**Table 14: Erroneous Data Reporting**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Erroneous Data Reporting for SCO	BB 7.7	C.1	X
2	Erroneous Data Reporting for eSCO	BB 7.7	C.2	X

C.1: Optional IF ((SUM ICS: 21/5 OR SUM ICS: 21/6) AND HCI: 9/6) is supported, ELSE excluded.

C.2: Optional IF ((SUM ICS: 21/5 OR SUM ICS: 21/6) AND HCI: 9/7) is supported, ELSE excluded.

## Persistent Sniff

**Table 15: This table is intentionally left blank: DO NOT USE**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	<i>(Intentionally left blank)</i>			X

## Non-flushable Packet Boundary Flag

**Table 16: Non-flushable Packet Boundary Flag**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support Non-flushable Packet Boundary Flag	Vol 2, Part B, Section 7.6.3	C.1	X

C.1 MANDATORY IF ((SUM ICS: 21/5 OR SUM ICS 21/6) AND HCI: 12/10) is supported, ELSE OPTIONAL IF (SUM ICS: 21/5 OR SUM ICS: 21/6) is supported, ELSE excluded.

## Connection States

**Table 17: Connection States**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Sniff Subrating Mode	Vol 2, Part C, Section 4.5.3.3	C.1	X

C.1 MANDATORY IF ((SUM ICS: 21/5 OR SUM ICS 21/6) AND LMP: 2/8) is supported, ELSE OPTIONAL IF (SUM ICS: 21/5 OR SUM ICS: 21/6) is supported, ELSE excluded.

**Link Manager**  
Annex for Test Spec. Vol 2, Part C

## General Response Messages

**Table 1: Response Messages**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Accept message	LMP, 2.7	M	X
2	Reject message	LMP, 2.7	M	X

## Supported Features (General Statement)

**Table 2: Supported Features**



Note: This table refers to the values in the LM feature request message. It is used within this PICS as a general statement that will be used as prerequisite for other tables.

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	3-slot packets	LMP, 4.1.10, LMP, 3.3	O	X
2	5-slot packets	LMP, 4.1.10, LMP, 3.3	O	X
3	Encryption	LMP, 4.2.5, LMP, 3.3	C.5/M	X
4	Slot offset	LMP, 4.4.1, LMP, 3.3	O	X
5	Timing accuracy	LMP, 4.3.1, LMP, 3.3	O	X
6	Role switch (Master/Slave)	LMP, 4.4.2, LMP, 3.3	O	X
7	Hold mode	LMP, 4.5.1, LMP, 3.3	O	X
8	Sniff mode	LMP, 4.5.3, LMP, 3.3	O	X
9	Park mode	LMP, 4.5.2, LMP, 3.3	O	X
10	Power Control	RF, 3 LMP, 4.1.3, LMP, 3.3	C.1	X
11	Channel quality driven data rate	LMP, 4.1.7, LMP, 3.3	O	X
12	SCO link	LMP, 4.6.1, LMP, 3.3	O	X
13	RSSI	LMP, 3.3	O	X
14	Broadcast encryption	LMP, 4.2.5, LMP, 3.3	O	X
15	eSCO link	LMP, 4.6.2	O	X
16	Adaptive frequency hopping	LMP, 4.1.4	M	X
17	Enhanced Data Rate ACL	BB, 6.5.4 LMP, 3.3	C.2	X
18	Enhanced Data Rate eSCO	BB, 6.5.3 LMP, 3.3	C.3	X
19	Simple Pairing	LMP 4.2.7	C.4	X

C.1: Mandatory IF (RF:1/1) supported, ELSE Optional

C.2 Mandatory IF (SUMMARY:22/1) OR (SUMMARY:22/2) is claimed, Optional IF (SUMMARY:21/5) OR (SUMMARY:21/6) is claimed

C.3 Mandatory IF (SUMMARY:22/3) is claimed, Optional IF (SUMMARY:21/5) OR (SUMMARY:21/6) is claimed

C.4 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is claimed, ELSE Excluded.

C.5 Optional IF (SUMMARY 2-1/1 OR SUMMARY 2-1/2 OR SUMMARY 2-1/3 OR SUMMARY 2-1/4) ELSE Mandatory

## Authentication

**Table 3: Authentication**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate authentication before connection completed	LMP, 4.2.1	O	X
2	Initiate authentication after connection completed	LMP, 4.2.1	O	X
3	Respond to authentication request	LMP, 4.2.1	M	X

## Pairing

**Table 4: Pairing**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate pairing before connection completed	LMP, 4.2.2	O	X
2	Initiate pairing after connection completed	LMP, 4.2.2	O	X
3	Respond to pairing request	LMP, 4.2.2.1, LMP, 4.2.2.3	M	X
4	Use fixed PIN and request responder to initiator switch	LMP, 4.2.2.2	C.1	X

5	Use variable PIN	LMP, 4.2.2.2	C.1	X
6	Accept initiator to responder switch	LMP, 4.2.2.2	C.2	X

C.1: Mandatory to support at least One, (LMP:4/4) OR (LMP:4/5) OR both

C.2: Mandatory IF (LMP: 4/5) AND (LMP:4/1), OR (LMP: 4/5) AND (LMP:4/2) ) is supported.

## Link Keys

**Table 5: Link Keys**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Creation of link key - Unit Key	LMP, 4.2.2.4	C.1	X
2	Creation of link key - Combination Key	LMP, 4.2.2.4	C.1	X
3	Initiate change of link key	LMP, 4.2.3	O	X
4	Accept change of link key	LMP, 4.2.3	M	X
5	<i>(Intentionally left blank)</i>			X
6	<i>(Intentionally left blank)</i>			X
7	Accept pairing with Unit Key	LMP, 4.2.2.4	O	X

C.1: Mandatory to support at least One - either (LMP:5/1) OR (LMP:5/2).

## Encryption

**Table 6: Encryption**

*Prerequisite: 2/3 (Encryption supported)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate encryption	LMP, 4.2.5.1	C.1	X
2	Accept encryption requests	LMP, 4.2.5.1	M.1	X
3	<i>(Intentionally left blank)</i>			X
4	<i>(Intentionally left blank)</i>			X
5	Key size negotiation	LMP, 4.2.5.2	M.1	X
6	Start encryption, as master	LMP, 4.2.5.3	M.1	X
7	Accept start of encryption	LMP, 4.2.5.3	M.1	X
8	Stop encryption, as master	LMP, 4.2.5.4	M.1	X
9	Accept stop of encryption	LMP, 4.2.5.4	M.1	X
10	Encryption Pause/Resume	LMP 4.2.5.3	M.1	X

M.1: Mandatory IF (LMP:2/3) - (Encryption) is supported.

C.1 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is claimed, ELSE Optional.

## Information Requests

**Table 7: Clock Offset Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request clock offset information	LMP, 4.3.2	O	X
2	Respond to clock offset requests	LMP, 4.3.2	M	X

**Table 8: Slot Offset Information**

*Prerequisite: 2/4 (Slot offset)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Send slot offset information	LMP, 4.4.1	C.1	X

C.1: Mandatory IF (LMP:13/1) - (Master/Slave switch) supported, ELSE Optional.

**Table 9: Timing Accuracy Information**

*Prerequisite: 2/5 (Timing accuracy)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request timing accuracy information	LMP, 4.3.1	O	X
2	Respond to timing accuracy information requests	LMP, 4.3.1	M.1	X

M.1: Mandatory IF (LMP:2/5) - (Timing Accuracy) supported

**Table 10: LM Version Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request LM version information	LMP, 4.3.3	O	X
2	Respond to LM version information requests	LMP, 4.3.3	M	X

**Table 11: Feature Support**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request supported features	LMP, 4.3.4	C.1	X
2	Respond to supported features requests	LMP, 4.3.4	M	X
3	Request extended features mask	LMP, 4.3.4	C.2	X
4	Respond to extended features Request	LMP, 4.3.4	C.2	X

C.1: Mandatory IF any of the Optional features in (LMP:2/1-3), (LMP:2/5), (LMP:2/7-12), (LMP:2/14-16), (LMP:26/1) is requested by the IUT, ELSE Optional.

C.2 Mandatory IF a feature requiring another features page is supported, ELSE Optional.

**Table 12: Name Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request name information	LMP, 4.3.5	O	X
2	Respond to name requests	LMP, 4.3.5	M	X

**Link Handling****Table 13: Role Switch**

Prerequisite: 2/6 (Role switch)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request Master Slave switch	LMP, 4.4.2	O	X
2	Accept Master Slave switch requests	LMP, 4.4.2	M.1	X

M.1 Mandatory IF LMP:(2/6) - (Role Switch) supported

**Table 14: Detach**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Detach connection	LMP, 4.1.2	M	X

**Table 14a: Setting Up and Removing Enhanced Data Rate ACL Connection**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Enter Enhanced Data Rate	LMP, 4.1.11	C.1	X
2	Exit Enhanced Data Rate	LMP, 4.1.11	C.1	X

C.1 Mandatory IF (LMP:2/17) supported, ELSE Excluded.

**Table 14b: Setting Up and Removing Enhanced Data Rate eSCO Connection**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Enter and Exit eSCO Using Enhanced Data Rate Packets	LMP, 4.6.2	C.1	X

C.1 Mandatory IF (LMP:2/18) supported, ELSE Excluded.

**Table 15: Hold Mode**

Prerequisite: 2/7 (Hold mode)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Force hold mode	LMP, 4.5.1, LMP, 4.5.1.2	O	X
2	Request hold mode	LMP, 4.5.1, LMP, 4.5.1.3	C.1	X
3	Respond to hold mode requests	LMP, 4.5.1, LMP, 4.5.1.3	M	X
4	Accept forced hold mode	LMP, 4.5.1.1, LMP, 4.5.1.2	M	X

C.1: Mandatory IF (LMP:15/1) - (Force hold mode) is supported, ELSE Optional.

**Table 16: Sniff Mode***Prerequisite: 2/8 (Sniff mode)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	<i>(Intentionally left blank)</i>			X
2	Request sniff mode	LMP, 4.5.3, LMP, 4.5.3.2	O	X
3	Respond to sniff mode requests (renegotiate or reject)	LMP, 4.5.3.2	M.1	X
4	<i>(Intentionally left blank)</i>			X
5	Request un-sniff	LMP, 4.5.3.2	C.1	X
6	Accept un-sniff requests	LMP, 4.5.3.2	M.1	X
7	Sniff Subrating Mode	LMP, 4.5.3.3	C.2	X

*C.1: Mandatory IF (LMP:16/2) - (Request sniff mode) is supported, ELSE Optional.**M.1: Mandatory IF (LMP:2/8) - (Sniff Mode) is supported.**C.2 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is claimed, ELSE Excluded***Table 17: Park Mode***Prerequisite: 2/9 (Park Mode)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	<i>(Intentionally left blank)</i>			X
2	Request park mode	LMP, 4.5.2, LMP, 4.5.2.2, LMP, 4.5.2.3	O	X
3	Respond to park mode requests	LMP, 4.5.2, LMP, 4.5.2.2, LMP, 4.5.2.3	M.1	X
4	<i>(Intentionally left blank)</i>			X
5	Set up broadcast scan window	LMP, 4.5.2.3	O	X
6	Accept changes to the broadcast scan window	LMP, 4.5.2.3	M.1	X
7	Modify beacon parameters	LMP, 4.5.2.4	O	X
8	Accept modification of beacon parameters	LMP, 4.5.2.4	M.1	X
9	Request Unpark using PM_ADDR	LMP, 4.5.2.5	C.1	X
10	Request Unpark using BD_ADDR	LMP, 4.5.2.5	C.1	X
11	Slave requested Unpark	LMP, 4.5.2.5, BB, 5.9.6	O	X
12	Accept Unpark using PM_ADDR	LMP, 4.5.2.5	M.1	X
13	Accept Unpark using BD_ADDR	LMP, 4.5.2.5	M.1	X

*M.1: Mandatory IF (LMP:2/9) - (Park Mode) is supported**C.1: IF (LMP:17/3) - (Respond to park mode requests) is supported, THEN at least One of (LMP:17/9) - (Unpark using PM\_ADDR) OR (LMP:17/10) - (Unpark using BD\_ADDR) is Mandatory, ELSE Optional.***Table 18: Power Control***Prerequisite for Items (18/1-2): (2/13) (RSSI)**Prerequisite for Items (18/3-4): (2/10) (Power Control)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request to increase power	LMP, 4.1.3	M.1	X
2	Request to decrease power	LMP, 4.1.3	M.1	X
3	Respond when max power reached	LMP, 4.1.3	M.2	X
4	Respond when min power reached	LMP, 4.1.3	M.2	X

*M.1: Mandatory IF (LMP:2/13) - (RSSI) is supported**M.2: Mandatory IF (LMP:2/10) - (Power Control) is supported***Table 19: Link Supervision Timeout**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Set link supervision timeout value	LMP, 4.1.6	O	X
2	Accept link supervision timeout setting	LMP, 4.1.6	M	X

**Quality of Service****Table 20: Quality of Service**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Channel quality driven change between DM and DH packet type	LMP, 4.1.7	C.1	X
2	Force/Request change of Quality of Service	LMP, 4.1.8, LMP, 4.1.8.1	M	X
3	Request Change of Quality of Service	LMP, 4.1.8, LMP, 4.1.8.2	M	X

C.1: Mandatory IF support of (LMP:2/11) is stated in the feature request, ELSE Optional.

## SCO Links

**Table 21: SCO Links**

Prerequisite: 2/12 (SCO link)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate SCO links, as Master	LMP, 4.6.1, LMP, 4.6.1.1	O	X
2	Initiate SCO links, as Slave	LMP, 4.6.1, LMP, 4.6.1.2	O	X
3	Accept SCO links	LMP, 4.6.1, LMP, 4.6.1.1, LMP, 4.6.1.2	O	X
4	Remove SCO links, as Master	LMP, 4.6.1, LMP,4.6.1.5	C.1	X
5	Remove SCO links, as Slave	LMP, 4.6.1, LMP,4.6.1.5	C.2	X
6	Negotiate SCO link parameters, as Master	LMP, 4.6.1, LMP,4.6.1.3	C.3	X
7	Negotiate SCO link parameters, as Slave	LMP, 4.6.1, LMP,4.6.1.4	C.4	X

C.1: Mandatory IF (LMP:21/1) - (Initiating SCO links, as Master) is supported, ELSE Optional.

C.2: Mandatory IF (LMP:21/2) - (Initiating SCO links, as Slave) is supported, ELSE Optional.

C.3: Mandatory IF (LMP:21/1) - (Initiating SCO links, as Master) OR (LMP:21/3) - (Accept SCO links) is supported, ELSE Optional.

C.4: Mandatory IF (LMP:21/2) - (Initiating SCO links, as Slave) OR (LMP:21/3) - (Accept SCO links) is supported, ELSE Optional.

## Multi-Slot Packages

**Table 22: Multi-Slot Packages**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Accept maximum allowed number of slots to be used	LMP, 4.1.10	C.1	X
2	Request maximum number of slots to be used	LMP, 4.1.10	C.1	X
3	Accept request of maximum number of slots to be used	LMP, 4.1.10	C.1	X

C.1: Mandatory IF (LMP:2/1) AND/OR (LMP:2/2) is supported in the feature request, ELSE Optional.

## Paging Scheme

**Table 23: Paging Scheme**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Request page mode to use	LMP, 4.1.9, LMP, 4.1.9.1	O	X
2	Accept suggested page mode	LMP, 4.1.9, LMP,4.1.9.1	O	X
3	Request page scan mode to use	LMP, 4.1.9, LMP,4.1.9.2	O	X
4	Accept suggested page scan mode	LMP, 4.1.9, LMP, 4.1.9.2	O	X

## Connection Establishment

**Table 24: Connection Establishment**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Create connection for higher layers	LMP, 4.1.1	M	X
2	Respond to requests to establish connections for higher layers	LMP, 4.1.1	M	X
3	Indicate that link set-up is complete	LMP, 4.1.1	M	X

## Test Mode

**Table 25: Test Mode**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Activate test mode	LMP, 4.7.1	O	X
2	Ability to reject activation of test mode if test mode is disabled	LMP, 4.7.1	M	X
3	Control test mode	LMP, 4.7.2	O	X
4	Ability to reject test mode control commands if test mode is disabled.	LMP, 4.7.2	M	X

**Table 26: Adaptive Frequency Hopping**

*Prerequisite: 2/16 (AFH)*

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of AFH switch as master	LMP, 4.1.4	O	X
2	Support of AFH switch as slave	LMP, 4.1.4	M.1	X
3	Support of Channel Classification reporting as master	LMP, 4.1.5	C.1	X
4	Support of Channel Classification reporting as slave	LMP, 4.1.5	C.2	X
5	Support channel classification from host	LMP, 4.1.5	C.3	X
6	Support of Channel Classification	LMP, 4.1.5	O	X

*C.1: Optional IF (LMP:26/6) is supported, ELSE Excluded.*

*C.2: Mandatory IF (LMP:26/6) is supported, ELSE Excluded.*

*C.3: Mandatory IF (LMP:26/1) OR (LMP:26/4) is supported, ELSE Optional.*

*M.1: Mandatory IF (LMP:2/16) - (AFH) supported*

**Table 27: This Table is intentionally left blank.**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	This line is intentionally left blank.	N/A	O	X
2	This line is intentionally left blank.	N/A	O	X
3	N/A	N/A	O	X
4	N/A	N/A	O	X

**Logical Link Control and Adaptation Protocol**  
Annex for Test Spec. Vol 3, Part A

### 1.3.1 Roles

**Table 1: Roles**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Data Channel Initiator	L2CAP	M	X
2	Data Channel Acceptor	L2CAP	M	X

### 1.3.2 General Operation

**Table 2: General Operation**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
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1	Support of signalling channel	L2CAP, 2.2	M	X
2	Support of configuration process	L2CAP, 7.1	M	X
3	Support of connection oriented data channel	L2CAP, 2.2	M	X
4	Support of command echo request	L2CAP, 4.8	M	X
5	Support of command echo response	L2CAP, 4.9	M	X
6	Support of command information request	L2CAP, 4.10	O	X
7	Support of command information response	L2CAP, 4.11	M	X
8	Support of a channel group	L2CAP, 2.2	O	X
9	Support of packet for connectionless channel	L2CAP, 3.2	O	X
10	Support retransmission mode	L2CAP, 8.5	O	X
11	Support flow control mode	L2CAP, 8.5	O	X

### 1.3.3 Configurable Parameters

**Table 3: Configurable Parameters**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of RTX timer	L2CAP, 6.2.1	M	X
2	Support of ERTX timer	L2CAP, 6.2.2	M	X
3	Support minimum MTU size 48 octets	L2CAP, 5.1	M	X
4	Support MTU size larger than 48 octets	L2CAP, 5.1	O	X
5	Support of flush timeout value for reliable channel	L2CAP, 5.2	M	X
6	Support of flush timeout value for unreliable channel	L2CAP, 5.2	O	X
7	Support of bi-directional quality of service (QoS) option field	L2CAP, 5.3	C.1	X
8	Negotiate QoS service type	L2CAP, 5.3	O	X
9	Negotiate and support service type 'No Traffic'	L2CAP, 5.3	C.2	X
10	Negotiate and support service type 'Best effort'	L2CAP, 5.3	C.3	X
11	Negotiate and support service type 'Gauranteed'	L2CAP, 5.3	C.2	X
12	<i>(Intentionally left blank)</i>			X
13	<i>(Intentionally left blank)</i>			X

C.1: Mandatory if L2CAP, 3/8 (Negotiate QoS service type) is supported, otherwise optional.

C.2: Optional if L2CAP, 3/8 (Negotiate QoS service type) is supported, otherwise excluded.

C.3: Mandatory if L2CAP, 3/8 (Negotiate QoS service type) is supported, otherwise excluded.

**Service Discovery Protocol**  
Annex for Test Spec. Vol 3, Part B

### 1.3.1 UUID Capabilities

**Table 1: Support Different Size Capabilities on UUID**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for 128 bit UUID	SDP, 2.7.1	M	X
2	Support for 32 bit UUID	SDP, 2.7.1	M	X
3	Support for 16 bit UUID	SDP, 2.7.1	M	X

**Table 1b: Roles**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for server role	SDP, 2.1	C.1	X
2	Support for client role	SDP, 2.1	C.1	X

C.1 Mandatory to support at least one of the roles

### 1.3.2 Service Search Request PDU

**Table 2: Valid Service Search Request**

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Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for respond on search of single Service, using ServiceSearchRequest.	SDP, 4.5	M	X
2	Support for respond on search of Service, using continuation state	SDP, 4.5	O	X
3	Search for services using the continuation state.	SDP, 4.3	C.1	X

C.1 Mandatory to support IF the client role is supported (1b/2)

**Table 3: Invalid Service Search Request**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for error response on Service search request.	SDP, 4.4	M	X

### 1.3.3 Service Attribute Request PDU

**Table 4: Valid Service Attribute Request**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for respond on search of Attribute(s)	SDP, 4.6	M	X
2	Support for respond on search of Attribute, using continuation state.	SDP, 4.6	O	X

**Table 5: Invalid Service Attribute Request**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for error response on Attribute search request.	SDP, 4.4	M	X

### 1.3.4 Service Search Attribute Request PDU

**Table 6: Valid Service Search Attribute Request**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for respond on search for Service(s) and Attribute (s)	SDP, 4.7	M	X
2	Support for respond on search of Attribute, using continuation state.	SDP, 4.7	O	X

**Table 7: Invalid Service Search Attribute Request**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for error response on Service and Attribute request.	SDP, 4.4	M	X

### 1.3.5 Service Browsing

**Table 8: Service Browsing**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for browsing, using SDP_ServiceSearchRequest and SDP_ServiceAttributeRequest	SDP, 4.5 SDP, 4.6 SDP, 2.8	O	X
2	Support for browsing, using SDP_ServiceSearchAttributeRequest	SDP, 4.7 SDP, 2.8	O	X

### 1.3.6 Attributes

**Table 9: Attributes Present in IUT**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	ServiceID	SDP, 5.1.4	O	X
2	ProtocolDescriptorList	SDP, 5.1.5	O	X
3	ServiceRecordState	SDP, 5.1.3	O	X
4	ServiceInfoTimeToLive	SDP, 5.1.8	O	X



5	BrowseGroupList	SDP, 5.1.6	O	X
6	LanguageBaseAttributedIdList	SDP, 5.1.7	O	X
7	ServiceAvailability	SDP, 5.1.9	O	X
8	IconURL	SDP, 5.1.13	O	X
9	ServiceName	SDP, 5.1.14	O	X
10	ServiceDescription	SDP, 5.1.15	O	X
11	ProviderName	SDP, 5.1.16	O	X
12	VersionNumberList	SDP, 5.2.3	O	X
13	ServiceDataBaseState	SDP, 5.2.4	O	X
14	BluetoothProfileDescriptorList	SDP, 5.1.10	O	X
15	DocumentationURL	SDP, 5.1.11	O	X
16	ClientExecutableURL	SDP, 5.1.12	O	X

**Generic Access Profile**  
Annex for Test Spec. Vol 3, Part C

## Modes

**Table 1: Modes**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Non-discoverable mode	GAP, 4.1.1	C.1	X
2	Limited-discoverable mode	GAP, 4.1.2	O	X
3	General-discoverable mode	GAP, 4.1.3	O	X
4	Non-connectable mode	GAP, 4.2.1	O	X
5	Connectable mode	GAP, 4.2.2	M	X
6	Non-pairable mode	GAP, 4.3.1	O	X
7	Pairable mode	GAP, 4.3.2	C.2	X

C.1: IF GAP 1/2 is supported then M, ELSE O

C.2: IF GAP 3/5 is supported then M, ELSE O

## Security Aspects

**Table 2: Security Aspects**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Authentication procedure	GAP, 5.1	C.1	X
2	Support of LMP-Authentication	GAP, 5.1	M	X
3	Initiate LMP-Authentication	GAP, 5.2	C.5	X
4	Security mode 1	GAP, 5.2.1	C.2	X
5	Security mode 2	GAP, 5.2.2	C.3	X
6	Security mode 3	GAP, 5.2.3	C.3	X
7	Security mode 4	GAP, 5.2.4	M.1	X

C.1: IF at least One of GAP, 2/5 or GAP, 2/6 is supported then M, ELSE O

C.3: IF Secure Communication is supported, then support for at least one of GAP, 2/5 or GAP, 2/6 is Mandatory, ELSE excluded  
Note: The "Authentication Procedure" in item GAP, 2/1 is the one described in Fig. 5.1 on page 198 in the GAP Profile Specification and not the LMP-Authenticaiton.

C.2: IF GAP, 2/5 or GAP, 2/6 is supported THEN M, ELSE O.

M.1: IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported THEN GAP, 2/7 is Mandatory, ELSE excluded

C.5 IF GAP, 2/5 or GAP, 2/6 or GAP, 2/7 is supported THEN GAP 2/3 is Mandatory, ELSE Optional

## Idle Mode Procedures

**Table 3: Idle Mode Procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiation of general inquiry	GAP, 6.1	C.1	X

2	Initiation of limited inquiry	GAP, 6.2	C.1	X
3	Initiation of name discovery	GAP, 6.3	O	X
4	Initiation of device discovery	GAP, 6.4	O	X
5	Initiation of general bonding	GAP, 6.5	O	X
6	Initiation of dedicated bonding	GAP, 6.5	O	X

C.1: If (SUMMARY 2-1/1 OR SUMMARY 2-1/2 OR SUMMARY 2-1/3 OR SUMMARY 2-1/4) is supported then one of GAP, 3/1 or GAP, 3/2 is Mandatory, else Optional.

## Establish Procedures

**Table 4: Establishment Procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support link establishment as initiator	GAP, 7.1	M	X
2	Support link establishment as acceptor	GAP, 7.1	M	X
3	Support channel establishment as initiator	GAP, 7.2	O	X
4	Support channel establishment as acceptor	GAP, 7.2	M	X
5	Support connection establishment as initiator	GAP, 7.3	O	X
6	Support connection establishment as acceptor	GAP, 7.3	O	X

**Host Controller Interface**  
Annex for Test Spec. Vol 3, Part C

## 2.1 Generic Events

**Table 1: Device Setup**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Command Complete	7.7.14	M	X
1a	Support all HCI Commands	N/A	C.1	X

C.1: Mandatory if all HCI commands are supported excluded otherwise.

## 2.2 Device Setup

**Table 2: Device Setup**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Reset Command	7.3.2	M	X

## 2.3 Controller Flow Control

**Table 3: Controller Flow Control**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Buffer Size Command	7.4.5	M	X

## 2.4 Controller Information

**Table 4: Controller Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Local Version Information	7.4.1	M	X
2	Read Local Supported Commands Command	7.4.2	M	X
3	Read Local Supported Features Command	7.4.3	M	X
4	Read Local Extended Features Command	7.4.4	C.1	X
5	Read BD_ADDR Command	7.4.6	M	X

C.1: Mandatory if a feature requiring another features page is supported, otherwise optional.

## 2.5 Controller Configuration

**Table 5: Controller Configuration**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Local Name Command	7.3.12	M	X
2	Write Local Name Command	7.3.11	M	X
3	Read Class of Device Command	7.3.27	M	X
4	Write Class of Device Command	7.3.28	M	X
5	Read Number Of Supported IAC Command	7.3.45	O	X
6	Read Current IAC LAP Command	7.3.46	O	X
7	Write Current IAC LAP Command	7.3.47	O	X
8	Read Scan Enable Command	7.3.17	O	X
9	Write Scan Enable Command	7.3.18	M	X

## 2.6 Device Discovery

**Table 6: Device Discovery**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Inquiry Command	7.1.1	C.1	X
2	Inquiry Cancel Command	7.1.2	O	X
3	Periodic Inquiry Mode Command	7.1.3	O	X
4	Exit Periodic Inquiry Mode Command	7.1.4	O	X
5	Read Inquiry Scan Activity Command	7.3.21	O	X
6	Write Inquiry Scan Activity Command	7.3.22	O	X
7	Read Inquiry Scan Type Command	7.3.51	O	X
8	Write Inquiry Scan Type Command	7.3.52	O	X
9	Read Inquiry Mode Command	7.3.53	O	X
10	Write Inquiry Mode Command	7.3.54	O	X
11	Read Inquiry Response Transmit Power Level Command	7.3.57	C.2	X
12	Write Inquiry Transmit Power Level Command	7.3.58	C.2	X
13	Read Extended Inquiry Response Command	7.3.51	C.3	X
14	Write Extended Inquiry Response Command	7.3.52	C.3	X

C.1: Mandatory to support if BB, 10/1 (Support Inquiry) is supported, otherwise optional.

C.2: Mandatory to support if (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is claimed, ELSE Excluded.

C.3: Mandatory to support if (SUMMARY 2-1/5 OR SUMMARY 2-1/6) AND GAP 1/3 is claimed, ELSE Excluded.

## 2.7 Connection Setup

**Table 7: Connection Setup**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Create Connection Command	7.1.5	M	X
2	Accept Connection Request Command	7.1.8	M	X
3	Reject Connection Request Command	7.1.9	M	X
4	Create Connection Cancel Command	7.1.7	O	X
5	Disconnect Command	7.1.6	M	X
6	Read Page Timeout Command	7.3.15	M	X
7	Write Page Timeout Command	7.3.16	M	X
8	Read Page Scan Activity Command	7.3.19	M	X
9	Write Page Scan Activity Command	7.3.20	M	X
10	Read Page Scan Type Command	7.3.55	O	X
11	Write Page Scan Type Command	7.3.56	O	X
12	Read Connection Accept Timeout Command	7.3.13	M	X
13	Write Connection Accept Timeout Command	7.3.14	M	X

## 2.8 Remote Information

**Table 8: Remote Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Remote Name Request	7.1.19	O	X
2	Remote Name Request Cancel	7.1.20	O	X
3	Read Remote Supported Features Command	7.1.21	M	X
4	Read Remote Extended Features Command	7.1.22	C.2	X
5	Read Remote Version Information Command	7.1.23	O	X

C.2: Mandatory if LMP 11/3 (Request extended features mask) is supported, otherwise optional.

## 2.9 Synchronous Connections

**Table 9: Synchronous Connections**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Setup Synchronous Connection Command	7.1.26	C.1	X
2	Accept Synchronous Connection Request Command	7.1.27	C.2	X
3	Reject Synchronous Connection Request Command	7.1.28	C.3	X
4	Read Voice Setting Command	7.1.29	C.4	X
5	Write Voice Setting Command	7.1.30	C.4	X
6	SCO data via HCI	HCI, 5.4.3	O	X
7	eSCO data via HCI	HCI, 5.4.3	O	X
8	Write default Erroneous Data Reporting commands	HCI, 7.3.62	C.5	X
9	Read Default Erroneous Data Reporting command	HCI, 7.3.61	C.5	X

C.1: Mandatory to support if LMP, 21/1 (Initiating SCO links, as Master), or LMP, 21/2 (Initiating SCO links, as Slave) is supported, otherwise optional.

C.2: Mandatory to support if LMP, 21/3 (Accept SCO links) is supported, otherwise optional.

C.3: Mandatory to support if LMP, 21/3 (Accept SCO links) is NOT supported, otherwise optional.

C.4: Mandatory to support if LMP, 21/1 (Initiating SCO links, as Master) OR 21/2 (Initiating SCO links, as Slave) OR 21/3 (Accept SCO links) is supported, otherwise optional.

C.5: Mandatory to support IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) AND (HCI 9/6 OR HCI 9/7) is supported, otherwise Optional.

## 2.10 Connection State

**Table 10: Connection State**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Hold Mode Command	7.2.1	C.1	X
2	Sniff Mode Command	7.2.2	C.2	X
3	Exit Sniff Mode Command	7.2.3	C.2	X
4	Park State Command	7.2.4	C.3	X
5	Exit Park State Command	7.2.5	C.4	X
6	Read Link Policy Settings Command	7.2.9	M	X
7	Write Link Policy Settings Command	7.2.10	M	X
8	Read Default Link Policy Settings Command	7.2.11	M	X
9	Write Default Link Policy Settings Command	7.2.12	M	X
10	Read Hold Mode Activity	7.3.35	C.1	X
11	Write Hold Mode Activity	7.3.36	C.1	X

C.1: Mandatory to support if LMP, 15/1 (Force hold mode) is supported, otherwise optional.

C.2: Mandatory to support if LMP, 16/2 (Request sniff mode) is supported, otherwise optional.

C.3: Mandatory to support if LMP, 17/2 (Request park mode) is supported, otherwise optional.

C.4: Mandatory to support if LMP, 2/9 (Park mode) is supported, otherwise optional.

## 2.11 Piconet Structure

**Table 11: Piconet Structure**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Role Discovery Command	7.2.7	O	X
2	Switch Role Command	7.2.8	C.1	X

C.1: Mandatory to support IF LMP, 13/1 (Request Master Slave switch) is supported, otherwise Optional.

## 2.12 Quality of Service

**Table 12: Quality of Service**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Flow Specification Command	7.2.13	M	X
2	QoS Setup Command	7.2.6	M	X
3	Flush Command	7.3.4	M	X
4	Read Automatic Flush Timeout Command	7.3.31	M	X
5	Write Automatic Flush Timeout Command	7.3.32	M	X
6	Read Failed Contact Counter Command	7.5.1	M	X
7	Reset Failed Contact Counter Command	7.5.2	M	X
8	Read Num Broadcast Retransmissions Command	7.3.33	M	X
9	Write Num Broadcast Retransmissions Command	7.3.34	M	X
10	Enhanced Flush Command	7.3.62	C.3	X
17	Sniff Subrating Command	7.2.12	C.2	X
18	Sniff Subrating Event	7.7.37	C.2	X

C.2: Mandatory if BB 15/1 AND LMP 16/7 are supported in BB and LMP.

C.3: Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported.

## 2.13 Physical Links

**Table 13: Physical Links**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Link Supervision Timeout Command	7.3.43	O	X
2	Write Link Supervision Timeout Command	7.3.44	C.1	X
3	Read AFH Channel Assessment Mode Command	7.3.57	C.2	X
4	Write AFH Channel Assessment Mode Command	7.3.58	C.2	X
5	Set AFH Host Channel Classification Command	7.3.50	C.2	X
6	Change Connection Packet Type Command	7.1.14	C.3	X
7	Link Supervision Timeout Changed Event	7.7.46	C.4	X

C.1: Mandatory to support if LMP, 19/1 (Set link supervision timeout value) is supported, otherwise optional.

C.2: Mandatory to support if LMP, 26/6 (Support of Channel Classification) is supported, otherwise optional.

C.3: Mandatory to support if LMP, 2/1 (3-slot packets) and/or LMP, 2/2 (5-slot packets) is supported, otherwise optional.

C.4 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported, ELSE Excluded.

## 2.14 Host Flow Control

**Table 14: Host Flow Control**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Host Buffer Size Command	7.3.41	O	X
2	Set Event Mask Command	7.3.1	O	X
3	Set Event Filter Command	7.3.3	O	X
4	Set Controller To Host Flow Control Command	7.3.40	O	X
5	Host Number Of Completed Packets Command	7.3.42	O	X
6	Read Synchronous Flow Control Enable Command	7.3.38	O	X
7	Write Synchronous Flow Control Enable Command	7.3.39	O	X

## 2.15 Link Information

**Table 15: Link Information**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read LMP Handle Command	7.1.25	M	X
2	Read Transmit Power Level Command	7.3.37	C.1	X
3	Read Link Quality Command	7.5.3	O	X
4	Read RSSI Command	7.5.4	C.2	X
5	Read Clock Offset Command	7.1.24	O	X

6	Read Clock Command	7.5.6	O	X
7	Read AFH Channel Map Command	7.5.5	C.3	X

C.1: Mandatory to support if LMP, 2/10 (Power Control) is supported, otherwise optional.

C.2: Mandatory to support if LMP, 2/13 (RSSI) is supported, otherwise optional.

C.3: Mandatory to support if LMP, 26/6 (Support of Channel Classification) is supported, otherwise optional.

## 2.16 Authentication and Encryption

**Table 16: Authentication and Encryption**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Authentication Enable Command	7.3.23	C.1	X
2	Write Authentication Enable Command	7.3.24	C.1	X
3	Read Encryption Mode Command	7.3.25	C.2	X
4	Write Encryption Mode Command	7.3.26	C.2	X
5	Link Key Request Reply Command	7.1.10	M	X
6	Link Key Request Negative Reply Command	7.1.11	M	X
7	PIN Code Request Reply Command	7.1.12	M	X
8	PIN Code Request Negative Reply Command	7.1.13	M	X
9	Authentication Requested Command	7.1.15	O	X
10	Set Connection Encryption Command	7.1.16	C.2	X
11	Change Connection Link Key Command	7.1.17	O	X
12	Master Link Key Command	7.1.18	C.3	X
13	Read PIN Type Command	7.3.5	C.4	X
14	Write PIN Type Command	7.3.6	C.4	X
15	Read Stored Link Key Command	7.3.8	O	X
16	Write Stored Link Key Command	7.3.9	O	X
17	Delete Stored Link Key Command	7.3.10	O	X
18	Create New Unit Key Command	7.3.7	C.5	X
19	User Confirmation Request Reply Command	7.1.30	C.6	X
20	User Confirmation Request Negative Reply Command	7.1.31	C.6	X
21	User Passkey Request Reply Command	7.1.32	C.6	X
22	User Passkey Request Negative Reply Command	7.1.33	C.6	X
23	IO Capability Response Command	7.1.29	C.6	X
24a	Remote OOB Data Request Reply Command	7.1.34	C.6	X
25	Remote OOB Data Request Negative Reply Command	7.1.35	C.6	X
26	Read Local OOB Data Command	7.3.56	C.6	X
27	Write Simple Pairing Mode Command	7.3.55	C.6	X
28	Read Simple Pairing Mode Command	7.3.54	C.6	X
29	Refresh Encryption Key Command	7.3.53	C.7	X

C.1: Mandatory to support if LMP, 3/1 (Initiate authentication before connection completed) is supported, otherwise optional.

C.2: Mandatory to support if LMP, 6/1 (Initiate encryption) is supported, otherwise optional.

C.3: Mandatory to support if LMP, 2/14 (Broadcast encryption) and LMP 6/6 (Start encryption, as master) are supported, otherwise optional.

C.4: Mandatory to support if LMP, 4/5 (Use variable PIN) is supported, otherwise optional.

C.5: Mandatory to support if LMP, 5/1 (Creation of link key - Unit Key) is supported, otherwise optional.

C.7: Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported, ELSE Optional

C.6 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported, ELSE Excluded.

## 2.17 Testing

**Table 17: Testing**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Read Loopback Mode Command	7.6.1	O	X
2	Write Loopback Mode Command	7.6.2	O	X
3	Enable Device Under Test Mode Command	7.6.3	O	X
4	Write Simple Pairing Debug Mode Command	7.6.4	C.1	X

C.1 Mandatory IF (SUMMARY 2-1/5 OR SUMMARY 2-1/6) is supported, ELSE Excluded.

# Profile PICS Information

## Hands-Free Profile 1.5 External to Core

### 1.1 Roles

**Table 1: Roles**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Audio Gateway (AG)	2.2	O.1	X
2	Hands-Free (HF)	2.2	O.1	X

O.1: It is mandatory to support at least one of the defined roles.

### 1.2 Audio Gateway Capabilities

**Table 2: Audio Gateway Role**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Connection Management	4.2; 4.3	M.1	X
1a	SLC initiation during active ongoing call	4.2	O	X
2	Phone Status Information	4.4; 4.5; 4.6; 4.7; 4.8; 4.9; 4.10	M.1	X
3	Audio connection handling	4.11; 4.12	M.1	X
3a	Audio connection establishment independent of call processing	4.11; 4.12	O	X
3b	eSCO support in Audio Connection	5.16	O	X
4a	Accept an incoming voice call (in-band ring)	4.13	C.1	X
4b	Accept an incoming voice call (no in-band ring)	4.13	C.1	X
4c	Capability to change the "in-band ring" settings	4.13	O	X
5	Reject an incoming voice call	4.14	O	X
6	Terminate a call	4.15	M.1	X
7	Audio connection transfer during an ongoing call	4.17	M.1	X
7a	Audio connection setup independent of SLC establishment	4.17	O	X
8	Place a call with a phone number supplied by HF	4.18	M.1	X
9	Place a call using memory dialing	4.19	M.1	X
10	Place a call to the last number dialed	4.20	M.1	X
11	Call waiting notification	4.21	M.1	X
12	Three Way Calling	4.22	O	X
12a	User Busy (AT+CHLD value 0)	4.22	C.3	X
12b	Call Hold Handling (AT+CHLD value 1,2)	4.22	C.2	X
12c	Three Way Call (AT+CHLD value 3)	4.22	C.3	X
12d	Explicit Call Transfer (AT+CHLD value 4)	4.22	C.3	X
13	Calling Line Identification (CLI)	4.23	M.1	X
14	Echo canceling (EC) and Noise reduction (NR)	4.24	O	X
15	Voice recognition activation	4.25	O	X
15a	Initiate voice recognition from AG	4.25	C.6	X
15b	Autonomous voice deactivation	4.25	C.6	X
16	Attach a phone number to a voice tag	4.26	O	X
17	Ability to transmit DTMF codes	4.27	M.1	X
18a	Remote audio volume control – speaker	4.28.1	O	X

18b	Remote audio volume control – microphone	4.28.1	O	X
18c	Volume Level Synchronization – speaker and microphone	4.28.2	C.5	X
19	Response and hold	4.29	O	X
20	Subscriber Number Information	4.30	M.1	X
21a	Enhanced Call Status	4.31	C.4	X
21b	Enhanced Call Control	4.32	C.3	X
21c	Enhanced Call Status with limited network notification	4.31	C.4	X

C.2: Mandatory if (2/12); otherwise Excluded.

C.3 Optional if (2/12); otherwise Excluded.

M.1: Mandatory IF (1/1) Selected

C.4: The AG must support one of item 2/21a or 2/21c.

C.6: Optional if 2/15 is supported, otherwise excluded.

C.5: Mandatory if 2/18a or 2/18b, otherwise optional.

C.1: The AG must support one of item 2/4a or 2/4b.

### 1.3 Hands-Free Capabilities

**Table 3: Capabilities of the HF**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Connection Management	4.2; 4.3	M.1	X
2a	Phone Status Information (“service” and “call” indicators)	4.4; 4.10	M.1	X
2b	Phone Status Information (“callsetup” indicator)	4.10	O	X
2c	Accept indicator of signal strength	4.5	O	X
2d	Accept indicator of roaming state (“roam:”)	4.6	O	X
2e	Accept indicator of battery level (“battchg”)	4.7	O	X
2f	Accept indicator of operator selection	4.8	O	X
3	Audio connection handling	4.11; 4.12	M.1	X
3a	Audio connection establishment independent of call processing	4.11; 4.12	O	X
3b	eSCO support in Audio Connection	5.16	O	X
4a	Accept an incoming voice call (in-band ring)	4.13	M.1	X
4b	Accept an incoming voice call (no in-band ring)	4.13	M.1	X
4c	Accept an incoming voice call (in-band ring muting)	4.13	O	X
5	Reject an incoming voice call	4.14	M.1	X
6	Terminate a call	4.15	M.1	X
7	Audio connection transfer during an ongoing call	4.16	M.1	X
7a	HF-initiated Audio transfer to AG during ongoing call	4.17	O	X
8	Place a call with a phone number supplied by the HF	4.18	O	X
9	Place a call using memory dialing	4.19	O	X
10	Place a call to the last number dialed	4.20	O	X
11	Call waiting notification	4.21	O	X
12	Three Way Calling	4.22	O	X
12a	Three way calling (AT+CHLD values 0)	4.22	C.2	X
12b	Three way calling (AT+CHLD values 1 and 2)	4.22	C.1	X
12c	Three way calling (AT+CHLD value 3)	4.22	C.2	X
12d	Three way calling (AT+CHLD value 4)	4.22	C.2	X
13	Calling Line Identification (CLI)	4.23	O	X
14	Echo cancelling (EC) and Noise reduction (NR)	4.24	O	X
15	Voice recognition activation/deactivation	4.25	O	X
16	Attach a phone number to a voice tag	4.26	O	X
17	Ability to transmit DTMF codes	4.27	O	X
18a	Remote audio volume control – speaker	4.28.1	O	X
18b	Remote audio volume control – microphone	4.28.1	O	X
18c	Volume Level Synchronization – speaker	4.28.2	C.3	X
18d	Volume Level Synchronization – microphone	4.28.2	C.4	X



18e	HF informs AG about local changes of audio volume	4.28.2	O	X
18f	HF informs AG about local changes of microphone gain	4.28.2	O	X
19	Response and hold	4.29	O	X
20	Subscriber Number Information	4.30	O	X
21a	Enhanced Call Status	4.31	C.2	X
21b	Enhanced Call Control	4.32	C.2	X

C.1 Mandatory if (3/12); otherwise Excluded.

C.2 Optional if (3/12); otherwise Excluded.

M.1: Mandatory IF (1/2) Selected

C.3 Mandatory if 3/18a or 3/18b, otherwise Optional.

C.4 Mandatory if 3/18b, otherwise Optional

## 1.4 Audio Coding Requirements

**Table 4: Requirements towards the Link Control Procedures of the Serial Port Profile (AG and HF)**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	CVSD audio coding over SCO	2.3	M	X

**Headset Profile**  
External to Core

## Roles

**Table 1: Roles**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Audio Gateway (AG)	HSP, 2.2	O.1	X
2	Headset (HS)	HSP, 2.2	O.1	X

O.1 Mandatory to Support at least One of the defined roles.

## Audio Gateway Application Features

**Table 2: Application Features (AG)**

Prerequisite HSP:1/1

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Incoming audio connection establishment	HSP, 4.2	M.1	X
2	Ring (AT command)	HSP, 4.2	C.3	X
3	Inband ring tone	HSP, 4.2	O	X
4	Outgoing audio connection establishment	HSP, 4.3	O	X
5	Audio connection release from HS	HSP, 4.4	M.1	X
6	Audio connection release from AG	HSP, 4.4	M.1	X
7	Audio connection transfer: AG to HS	HSP, 4.5.1	M.1	X
8	Audio connection transfer: HS to AG	HSP, 4.5.2	M.1	X
9	Remote audio volume control	HSP, 4.6	C.1	X
10	HS informs AG about local changes of audio volume	HSP, 4.6	O	X
11	Audio volume setting storage by HS	HSP, 4.6	O	X
12	Remote microphone gain control	HSP, 4.6	C.2	X
13	HS informs AG about local changes of microphone gain	HSP, 4.6	O	X
14	Microphone gain setting storage by HS	HSP, 4.6	O	X
15	Connection handling with Detach/Page	HSP, 4.8.1	M.1	X

16	Connection handling with Park Mode	HSP, 4.8.2	O	X
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M.1: Mandatory IF (1/1) Supported

C.3: Excluded IF (2/3 AND 4/1) is Supported, otherwise Optional.

C.1: Mandatory IF 2/10 is Supported, otherwise Optional.

C.2: Mandatory IF 2/13 is Supported, otherwise Optional.

## Headset Application Features

**Table 3: Application features (HS)**

Prerequisite HSP:1/2

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Incoming audio connection establishment	HSP, 4.2	M.1	X
2	Ring (AT command)	HSP, 4.2	M.1	X
3	Inband ring tone	HSP, 4.2	M.1	X
4	Outgoing audio connection establishment	HSP, 4.3	M.1	X
5	Audio connection release from HS	HSP, 4.4	M.1	X
6	Audio connection release from AG	HSP, 4.4	M.1	X
7	Audio connection transfer: AG to HS	HSP, 4.5.1	M.1	X
8	Audio connection transfer: HS to AG	HSP, 4.5.2	M.1	X
9	Remote audio volume control	HSP, 4.6	C.1	X
10	HS informs AG about local changes of audio volume	HSP, 4.6	O	X
11	Audio volume setting storage by HS	HSP, 4.6	O	X
12	Remote microphone gain control	HSP, 4.6	C.2	X
13	HS informs AG about local changes of microphone gain	HSP, 4.6	O	X
14	Microphone gain setting storage by HS	HSP, 4.6	O	X
15	Connection handling with Detach/Page	HSP, 4.8.1	M.1	X
16	Connection handling with Park Mode	HSP, 4.8.2	O	X

M.1: Mandatory IF (1/2) Supported

C.1: Mandatory IF HSP 3/10 is Supported, otherwise Optional.

C.2: Mandatory IF HSP 3/13 is Supported, otherwise Optional.

## Errata Service Releases

**Table 4: Errata Service Releases**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	E2112/TSE 1134 (212): Show that in-band ringing and RING are mutually exclusive	ESR 1	O	X

Note: ESR1 refers to the Errata Service Release 1 v 1.02, released 25 August 2003

**Interoperability Test Specification**  
External to Core

## Interoperability

**Table 1: Interoperability Test Specification**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Interoperability	IOP	M	X

## 1 Supported Procedures

**Table 1: RFCOMM with TS 07.10**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initialize RFCOMM session	RFCOMM, 5.2.1	C.2	X
2	Respond to initialisation of an RFCOMM session	RFCOMM, 5.2.1	C.1	X
3	Shutdown RFCOMM session	RFCOMM, 5.2.2	M	X
4	Respond to a shutdown for an RFCOMM session	RFCOMM, 5.2.2	M	X
5	Establish DLC	RFCOMM, 5.2.1	C.2	X
6	Respond to establishment of a DLC	RFCOMM, 5.2.1	C.1	X
7	Disconnect DLC	RFCOMM, 5.2	M	X
8	Respond to disconnection of a DLC	RFCOMM, 5.2	M	X
9	Respond to and send MSC command	RFCOMM, 2.2	M	X
10	Initiate Transfer Information	RFCOMM, 5.1	M	X
11	Respond to Test command	RFCOMM, 4.3	M	X
12	Send Test command	RFCOMM, 4.3	O	X
13	React to aggregate flow control	RFCOMM, 6.3	M	X
14	Respond to RLS command	RFCOMM, 5.5.2	M	X
15	Send RLS command	RFCOMM, 5.5.2	O	X
16	Respond to PN command	RFCOMM, 5.5.3	M	X
17	Send PN command	RFCOMM, 5.5.3	C.3	X
18	Send NSC command	RFCOMM, 4.3	O	X
19	Respond to RPN command	RFCOMM, 5.5.1	M	X
20	Send RPN command	RFCOMM, 5.5.1	O	X
21	Closing multiplexer by first sending a DISC command	RFCOMM, 5.2.2	O	X
22	Support of Credit Based Flow Control	RFCOMM, 6.5	M	X
23	IUT Responds to Establishment of a DLC	RFCOMM 5.2.1	M	X

C.1: Mandatory to support, IF (SPP:1/2) supported, ELSE Excluded

C.2: Mandatory to support, IF (SPP:1/1) supported, ELSE Excluded.

C.3: Mandatory for Initiating Device (Serial Port Profile as Device A), otherwise Optional.

## 1 Supported Device Role

**Table 1: Device Role**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Device A (DevA)	SPP, 2.2	O.1	X
2	Device B (DevB)	SPP, 2.2	O.1	X

O.1: Mandatory to support at least One of the defined roles.

## 2 Support of SPP service

**Table 2: Support of Serial Profile Service**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of Serial Profile Service	SPP, 1.2	C.1	X

C.1: Mandatory for devices that support Serial Profile for serial cable emulation as a Bluetooth service. Irrelevant for devices that support Serial Profile for usage by another application profile e.g. FAX, DUN, HFP

### 3 Application procedures

**Table 3: Application procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Establish link and set up virtual serial connection	SPP, 3.1	C.1	X
2	Accept link and virtual serial connection establishment	SPP, 3.1	C.2	X
3	Register Service record for application in local SDP database	SPP, 3.1	C.2	X
4	No release in Sniff mode. Sniff mode enabled in the Link Manager	SPP, 3.2	O	X
5	No release in Hold mode. Hold mode enabled in the Link Manager	SPP, 3.2	O	X
6	No release in Park mode. Park mode enabled in the Link Manager	SPP, 3.2	O	X
7	No release after Master/Slave switch. M/S switch enabled in the Link Manager	SPP, 2.4	O	X

C.1: Mandatory for DeviceA, Irrelevant for DeviceB

C.2: Mandatory for DeviceB, Irrelevant for DeviceA

### 4 Service Discovery Protocol

**Table 4: Service Prot Profile Record Content (SerialPort UUID)**

The Serial Port Profile requires compliance with the Service Discovery Protocol It inherits the "mandatory", "optional" and "conditional" definitions from the Service Discovery Protocol.

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	SerialPort service class (UUID16: 0x1101)	SPP, 6.1	C.1	X
2	Protocol0, L2CAP	SPP, 6.1	C.1	X
3	Protocol1, RFCOMM	SPP, 6.1	C.1	X
4	Server Channel number	SPP, 6.1	C.1	X
5	Displayable text name	SPP, 6.1	C.1	X

C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A.

Note: If more than one Serial Port Profile Service is available, more than SerialPort record can be registered.

### 5 Link Manager Procedures

**Table 5: Encryption**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate Encryption	SPP, 2.4	O	X
2	Accept Encryption Request	SPP 2.4	M	X
3	Point to Point Encryption	SPP 7.1	M	X
4	Stop Encryption	SPP 7.1	M	X