Member Declarations

Qualified Design Listing (QDL) Information:

Member Company:	Movon Corporation
Declarer:	lee taehyung
Design Description:	Bluetooth mono headset, MF280 is a wireless portable hands-free intended to be used with other Bluetooth devices like mobile phone and other applications compliant with the Bluetooth Hands-free and Headset profile. And MF280 have so this is best audio quality
Qualified Design ID:	B017907
Design Model number:	MF280
Product Type:	End Product
Hardware version number:	1.0
Software version number:	1.0
Qualification Assessment Date:	2011-05-01 00:00:00.0
Core Spec Version:	3.0/3.0+HS
TCRL Release:	Core 3.0/3.0 + HS TCRL-2010-2 (02-Sep-10)
Location of Compliance Folder for Audit:	6Fl., Hyunjuk Bldg., 140-28, Samseong-Dong, Gangnam-Gu Seoul, Seoul 135-090 SOUTH KOREA
Member who will accompany the Audit:	Richard Lee

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 acknowleges 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: Richard.lee _____ _____

[Declarer] [Date]

_____ 11.05.02

[Duly Authorized Officer of Member Company] [Date]

Appendix A

Combined QD ID(s) Claimed

Combined QD ID(s): [**B013057 B016180**]

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	Core 2.1	M.1	X
6	Core Spec Version 2.1 + EDR (Ver. 2.1 + EDR)	Core 2.1 +EDR	M.1	X
7	Core Specification Addendum 1 (CSA1), Adopted 26 June 2008	CSA1-Controller	C.2	X
8	Core Spec Version 3.0, Adopted 21 April 2009	Core 3.0	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.
C.2: Optional if one of 21/5 or 21/6 (Core Spec Version 2.1 / 2.1 + EDR) is supported; otherwise excluded

Table 24: BR/EDR Controller Electrical Interfaces

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	UART Transport Layer	Ver 3.0 + HS,, Vol. 4, Part A	O	X
2	USB Transport Layer	Ver 3.0 + HS, Vol. 4, Part B	O	X
3	Secure Digital (SD) Transport Layer	Ver 3.0 + HS, Vol. 4, Part C	O	X
4	Three-wire UART Transport Layer (3-Wire)	Ver 3.0 + HS, Vol 4, Part D	O	X

No PICS/ profile ICS exists for this part.

Table 31: Host Core Specification

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
2	Core Spec Version 1.2	Core 1.2	C.1	X
3	*(Intentionally left blank)*			X
4	Core Spec Version 2.0 + EDR	Core 2.0 +EDR	C.1	X
5	*(Intentionally left blank)*			X

6	Core Spec Version 2.1 + EDR	Core 2.1 +EDR	C.1	X
7	Core Spec Addendum (CSA) 1, Volume 3, Part A Adopted June 26 2008	CSA1-Host	C.2	X
8	Core Spec Version 3.0, Adopted 21 April 2009	Core 3.0	C.1	X
9	Core Spec Version 3.0 + HS, Adopted 21 April 2009	Core 3.0 + HS	C.1	X

C.1: Mandatory to select only one of items 31/2 – 31/6 (Core Spec Ver 1.2, Ver.2.0, Ver. 2.0 + EDR, Ver. 2.1, Ver. 2.1 + EDR) or 31/8 – 31/9 (Core Spec Ver 3.0, Ver. 3.0 + HS)
C.2: Optional if one of 31/3, 31/4, 31/5, or 31/6 (Core Spec Version 2.0 / 2.0+EDR / 2.1 / 2.1 + EDR) is supported; otherwise excluded.

Table 33: Core Host Electrical Interfaces

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	UART Transport Layer	Ver. 3.0 + HS, Vol 4, Part A	O	X
2	USB Transport Layer	Ver. 3.0 + HS, Vol 4, Part B	O	X
3	Secure Digital (SD) Transport Layer	Ver. 3.0 + HS, Vol 4, Part C	O	X
4	Three-wire UART Transport Layer (3-Wire)	Ver. 3.0 + HS, Vol 4, Part D	O	X

No PICS/ profile ICS exists for this part.

Table 41: AMP Controller Core Specification

Prerequisite: ((21/5 OR 21/6 OR 21/8) AND (PROD:1/1 AND 31/9)) OR (PROD:1/5 AND (21/5 OR 21/6 OR 21/8)) OR PROD:1/2 OR PROD:1/3
(Must support BR/EDR Controller Ver. 2.1 or 2.1 + EDR or 3.0 and Host 3.0+HS for End Products
or BR/EDR Controller Version 3.0 or 2.1 or 2.1+EDR for Controller Subsystems or One of the Component Product Types)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Core Spec Version 3.0 + HS or later, Adopted 21 April 2009	N/A	O	X

Table 42: AMP Controller Specification Parts

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	802.11 Protocol Adaptation Layer (802.11 PAL)	Ver. 3.0 + HS, Vol. 5, Part A Ver. 4.0	C.1	X
2	802.11 MAC/PHY	Ver. 3.0 + HS, EE 802.11-2007	C.2	X

C.1. Mandatory if 41/1 is supported otherwise Excluded.
C.2. Mandatory if (11/1 or 11/5) AND (21/6 OR 21/8) otherwise Optional. (Mandatory for End Products or Controller Subsystems with AMP Controller and BR/EDR Controller 3.0 or 2.1+EDR).

Table 43: AMP Controller Electrical Interfaces

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	UART Transport Layer	Vol. 4, Part A		X
2	USB Transport Layer	Vol. 4, Part B		X
3	Secure Digital (SD) Transport Layer	Vol 4, Part C		X
4	Three-wire UART Transport Layer (3-Wire)	Vol 4, Part D		X

No PICS/ profile ICS exists for this part.

EDR Features

Table 22: EDR Features

Prerequisite: 21/3 OR 21/4 OR 21/5 OR 21/6 OR 21/8 (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)	2.0+EDR, 2.1+EDR, 3.0+HS	C.1	X
2	EDR for asynchronous transports (multi-slot)	2.0+EDR, 2.1+EDR, 3.0+HS	C.1	X
3	EDR for synchronous transports	2.0+EDR, 2.1+EDR	C.1, C.3	X
4	EDR for synchronous transports	CSA1: Volume 0, Part B Section 4.2, 3.0 + HS	C.1, C.2	X

C.1:Mandatory to support at least one of the EDR features if supporting 21/4 (Core 2.0+EDR) or 21/6 (Core 2.1+EDR) else Optional if 21/3 (Core 2.0) OR 21/5 (Core 2.1) OR 21/8 (Core 3.0) ELSE excluded.
C.2: Pre-requisite 21/7 (CSA1) OR 21/8 (3.0)
C.3: Excluded if 22/4 is supported. (Cannot support both 22/3 and 22/4)

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
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
12	Enhanced Power Control	RF, 3	C.4	X

M.1: Must choose One and only One Power Class
C.1: Mandatory to support IF 1/1 (Power Class 1) is supported, ELSE Optional
C.2: Mandatory if SUM_ICS 21/4 OR SUM_ICS 21/6 OR (SUM_ICS 21/8 AND EDR Support) is claimed; Optional if SUM_ICS 21/3 OR SUM_ICS 21/5 OR SUM_ICS, 21/8 is claimed; Excluded otherwise.
C.3: Mandatory if SUM_ICS 21/4 OR SUM_ICS 21/6 OR (SUM_ICS 21/8 AND EDR Support) is claimed; Else Optional if 1/8 AND (SUM_ICS 21/3 OR SUM_ICS 21/5 OR SUM_ICS 21/8) is claimed; Excluded otherwise.
C.4 Optional if SUM_ICS, 21/8 AND 1/4 supported, ELSE excluded.

Radio
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
12	Enhanced Power Control	RF, 3	C.4	X

M.1: Must choose One and only One Power Class
C.1: Mandatory to support IF 1/1 (Power Class 1) is supported, ELSE Optional
C.2: Mandatory if SUM_ICS 21/4 OR SUM_ICS 21/6 OR (SUM_ICS 21/8 AND EDR Support) is claimed; Optional if SUM_ICS 21/3 OR SUM_ICS 21/5 OR SUM_ICS, 21/8 is claimed; Excluded otherwise.
C.3: Mandatory if SUM_ICS 21/4 OR SUM_ICS 21/6 OR (SUM_ICS 21/8 AND EDR Support) is claimed; Else Optional if 1/8 AND (SUM_ICS 21/3 OR SUM_ICS 21/5 OR SUM_ICS 21/8) is claimed; Excluded otherwise.
C.4 Optional if SUM_ICS, 21/8 AND 1/4 supported, ELSE excluded.

Baseband
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 22/1 OR SUMMARY 22/2 OR SUMMARY 22/3 OR SUMMARY 22/4) is claimed, Optional IF SUMMARY(21/5 OR SUMMARY 21/8) is claimed
C.2 Mandatory IF SUMMARY(SUMMARY 22/1 OR SUMMARY 22/2 OR SUMMARY 22/3 OR SUMMARY 22/4) is claimed, Optional IF BB(1a/2) AND SUMMARY(21/5 OR SUMMARY 21/8) 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 OR SUMMARY 21/8) 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 OR SUMMARY 21/8) 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
2	SCO links to different Slaves	BB, 4.3	O	X	(1,2,3)	N/A
3	SCO links from same Master	BB, 4.3	C.1	X	(1,2,3)	N/A
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
6	eSCO links to different Slaves	BB, 4.2	O	X	(2,3,4,5)	N/A
7	eSCO links from same Master	BB, 4.2	C.2	X	(1,2,3,4,5,6)	N/A
8	eSCO links from different Masters	BB, 4.2	O	X	(2,3,4,5)	N/A

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 BB,6.5.4.7	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, 2-2/3 is supported AND SUMMMARY, 2-2/4 is NOT supported; ELSE Optional IF BB, 1a/3 is supported; Excluded otherwise.
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	*(Intentionally left blank)*			X
4	*(Intentionally left blank)*			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	*(Intentionally left blank)*			X
4	*(Intentionally left blank)*			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 OR SUMMARY 21/8) AND HCI: 9/6) is supported, ELSE excluded.
C.2: Optional IF ((SUM ICS: 21/5 OR SUM ICS: 21/6 OR SUMMARY 21/8) 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	*(Intentionally left blank)*			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 OR SUMMARY 21/8) AND HCI: 12/10) is supported, ELSE OPTIONAL IF (SUM ICS: 21/5 OR SUM ICS: 21/6 OR SUMMARY 21/8) 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 OR SUMMARY 21/8) AND LMP: 2/8) is supported, ELSE OPTIONAL IF (SUM ICS: 21/5 OR SUM ICS: 21/6 OR SUMMARY 21/8) is supported, ELSE excluded.

Link Manager
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	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
20	Enhanced Power Control	LMP, 4.1.3.1, LMP, 3.3	C.6	X

C.1: Mandatory IF (RF:1/1) supported, ELSE Optional
C.2 Mandatory IF (SUMMARY:22/1) OR (SUMMARY:22/2) is claimed, ELSE Optional IF (SUMMARY:21/5) OR (SUMMARY:21/6) OR (SUMMARY:21/8) is claimed. Excluded otherwise.
C.3 Mandatory IF (SUMMARY:22/3) is claimed, Optional IF (SUMMARY:21/3) OR (SUMMARY:21/4) OR (SUMMARY:21/5) OR (SUMMARY:21/6) OR (SUMMARY:21/8) is claimed. Excluded Otherwise.
C.4 Mandatory IF (SUMMARY 21/5 OR SUMMARY 21/6 OR SUMMARY 21/8)) is claimed, ELSE Excluded.
C.5 Optional IF (SUMMARY 21/1 OR SUMMARY 21/2 OR SUMMARY 21/3 OR SUMMARY 21/4) ELSE Mandatory
C.6 Optional IF SUMMARY 21/8 AND 2/10 AND 2/13 supported. Excluded otherwise.

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	*(Intentionally left blank)*			X
6	*(Intentionally left blank)*			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	*(Intentionally left blank)*			X
4	*(Intentionally left blank)*			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	C.2	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.
C.2: Mandatory IF (SUMMARY 21/5 OR SUMMARY 21/6 OR SUMMARY 21/8) is claimed, ELSE Excluded.

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	*(Intentionally left blank)*			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	*(Intentionally left blank)*			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 OR SUMMARY 21/8) is claimed, ELSE Excluded

Table 17: Park Mode

Prerequisite: 2/9 (Park Mode)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	*(Intentionally left blank)*			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	*(Intentionally left blank)*			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)
Prerequisite for Items (18/5-10): (2/20) (Enhanced 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
5	Request to increment power a single step	LMP, 4.1.3.1.1	M.3	X
6	Request to decrease power a single step	LMP, 4.1.3.1.1	M.3	X
7	Request to go to max power	LMP, 4.1.3.1.1	O	X
8	Respond to increment power a single step	LMP, 4.1.3.1.2	M.3	X
9	Respond to decrease power a single step	LMP, 4.1.3.1.2	M.3	X
10	Respond to go to max power	LMP, 4.1.3.1.2	M.3	X

M.1: Mandatory IF (LMP:2/13) - (RSSI) is supported
M.2: Mandatory IF (LMP:2/10) - (Power Control) is supported
M.3: Mandatory IF (LMP:2/20) - (Enhanced 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	Status	Support

		Spec Reference		[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 est 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 — post Role Switch (as Slave)	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

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

Prerequisite: Core Specification Addendum 1 for items 2/12 – 2/28

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
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
12	Enhanced Retransmission Mode	L2CAP, 8.6	C.1, C.13	X
13	Streaming Mode	L2CAP, 8.7	C.1, C.14	X
14	FCS Option	L2CAP, 5.5	C.2	X
15	Generate Local Busy Condition	L2CAP, 8.6.4.3	C.3	X
16	Send Reject	L2CAP 8.6.1.2	C.3	X
17	Send Selective Reject	L2CAP 8.6.1.3	C.3	X
18	Mandatory use of ERTM	L2CAP, 8.6	C.4	X
19	Mandatory use of Streaming Mode	L2CAP, 8.7	C.5	X
20	Optional use of ERTM	L2CAP, 8.6	C.4	X
21	Optional use of Streaming Mode	L2CAP, 8.7	C.5	X
22	Send data using SAR in ERTM	L2CAP, 3.3.2	C.6	X
23	Send data using SAR in Streaming Mode	L2CAP, 3.3.2	C.7	X
24	Actively request Basic Mode for a PSM that supports the use of ERTM or Streaming Mode	L2CAP, 5.4	C.8	X
25	Supports performing L2CAP channel mode configuration fallback from SM to ERTM	L2CAP, 5.4	C.9	X
26	Supports sending more than one unacknowledged I-Frame when operating in ERTM	L2CAP, 8.6.5	C.10	X
27	Supports sending more than three unacknowledged I-Frame when operating in ERTM	L2CAP, 8.6.5	C.10	X
28	Supports configuring the peer TxWindow greater than 1.	L2CAP, 5.4	C.11	X
29	AMP Support	L2CAP, 9	C.12	X
30	Fixed Channel Support	L2CAP, 2.1	C.12	X

31	AMP Manager Support	L2CAP 2.1	C.12	X
32	ERTM over AMP	L2CAP, 9	C.12	X
33	Streaming Mode Source over AMP Support	L2CAP, 3.3, 8.7	C.15	X
34	Streaming Mode Sink over AMP Support	L2CAP, 3.3, 8.7	C.15	X
35	Unicast Connectionless Data, Reception	L2CAP, 3.3, L2CAP, 7.6	C.16	X
36	Ability to transmit an unencrypted packet over a unicast connectionless L2CAP channel	L2CAP, 7.6	C.16	X
37	Ability to transmit an encrypted packet over a unicast connectionless L2CAP channel.	L2CAP, 7.6, GAP, 5.2.2	C.16	X
38	Extended Flow Specification for BR/EDR	L2CAP, 7.10	C.8	X
39	Extended Window Size	L2CAP, 5.7	C.8	X

C.1: Mandatory to support at least one of L2CAP 2/12 or 2/13 IF (SUM_ICS 31/7 (CSA1) OR SUM_ICS 31/8 (3.0) OR SUM_ICS 31/9 (3.0+HS)) is supported, ELSE Excluded.
C.2: Optional IF (L2CAP 2/12 OR L2CAP 2/13) is claimed, ELSE Excluded.
C.3: Optional IF (L2CAP 2/12 AND L2CAP 2/28) is claimed, ELSE Excluded.
C.4: IF (L2CAP 2/12) is claimed THEN either L2CAP 2/18 OR L2CAP 2/20 are Mandatory, ELSE Excluded.
C.5: IF (L2CAP 2/13) is claimed THEN either L2CAP 2/19 OR L2CAP 2/21 are Mandatory, ELSE Excluded.
C.6: Optional IF (L2CAP 2/12) is claimed, ELSE Excluded.
C.7: Optional IF (L2CAP 2/13) is claimed, ELSE Excluded.
C.8: Optional IF (L2CAP 2/12 OR L2CAP 2/13) is claimed, ELSE Excluded.
C.9: Mandatory IF (L2CAP 2/12 AND L2CAP 2/13 AND L2CAP 2/21) is claimed, ELSE Excluded
C.10: Optional IF (L2CAP 2/12) is claimed, ELSE Excluded
C.11: Optional IF (L2CAP 2/12) is claimed, ELSE Excluded
C.12: Mandatory IF SUM_ICS 31/9 (3.0 + HS) is claimed, ELSE Optional
C.13: Mandatory IF SUM_ICS 31/9 (3.0 + HS) is claimed, ELSE Optional
C.14: Optional IF SUM_ICS 31/8 is claimed, ELSE Excluded
C.15: Optional IF (L2CAP 2/29) is claimed, ELSE Excluded
C.16: Optional IF (SUM_ICS 31/8 OR SUM_ICS 31/9) is claimed, ELSE Excluded

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	*(Intentionally left blank)*			X
13	*(Intentionally left blank)*			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.

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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

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support for respond on search of single Service, using ServiceSearchRequest.	SDP, 4.5	C.2	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)
C.2 Mandatory to support if the server role is supported (1b/1)

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
3	Support for respond on search on attribute AdditionalProtocolDescriptorList	SDP, 4.5, 5.1.6	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
3	Support for respond on search on attribute AdditionalProtocolDescriptorList on existing service	SDP, 4.7, 5.1.6	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, 5.1.9	O	X
5	BrowseGroupList	SDP, 5.1.7	O	X
6	LanguageBaseAttributedIdList	SDP, 5.1.8	O	X
7	ServiceAvailability	SDP, 5.1.10	O	X
8	IconURL	SDP, 5.1.14	O	X
9	ServiceName	SDP, 5.1.15	O	X
10	ServiceDescription	SDP, 5.1.16	O	X
11	ProviderName	SDP, 5.1.17	O	X
12	VersionNumberList	SDP, 5.2.3	O	X
13	ServiceDataBaseState	SDP, 5.2.4	O	X
14	BluetoothProfileDescriptorList	SDP, 5.1.11	O	X
15	DocumentationURL	SDP, 5.1.12	O	X
16	ClientExecutableURL	SDP, 5.1.13	O	X
17	AdditionalProtocolDescriptorList	SDP, 5.1.6	O	X
18	ServiceRecordHandle	SDP, 5.1.1	M	X
19	ServiceClassIDList	SDP, 5.1.2	M	X

Generic Access Profile
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	O	X
6	Security mode 3	GAP, 5.2.3	C.7	X
7	Security mode 4	GAP, 5.2.4	C.4	X
8	Support of Authenticated link key	GAP, 5.2.4	C.6	X
9	Support of Unauthenticated link key	GAP 5.2.4	C.6	X
10	No security	GAP 5.2.4.	C.6	X

C.1: IF at least One of GAP, 2/5 or GAP, 2/6 is supported then M, ELSE O
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-Authenticaion.
C.2: IF GAP, 2/7 is supported THEN support of GAP, 2/4 is Excluded ,ELSE Optional.
C.5 IF GAP, 2/5 or GAP, 2/6 or GAP, 2/7 is supported THEN GAP 2/3 is Mandatory, ELSE Optional
C.4: IF (SUMMARY 31/5 OR SUMMARY 31/6 OR SUMMARY 31/8 OR SUMMARY 31/9)) is supported THEN GAP, 2/7 is Mandatory, ELSE excluded.
Note 2. If a Core 2.0 and earlier design claims to support secure communcation it should support either Security mode 2 or 3.
Note 3. A Core 2.1 or later device shall always support secure communication in Security Mode 4, and shall use that mode to connect with another Core 2.1 or later device. It shall use Security Mode 2 or 3 only for backward compatibility purposes with Core 2.0 and earlier devices. Security Mode 1 is excluded for Core 2.1 or later devices based on condition C.2.
C.6 Mandatory to support at least one of these features when Security Mode 4 is supported, ELSE Excluded.
C.7: IF 2/6 is supported THEN Excluded, otherwise 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

C1: If GAP, 3/5 is supported then at least 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

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	C.7	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	4.16; 4.17	M.1	X
7a	HF-initiated Audio transfer to AG during ongoing call	4.17	O	X
7b	AG releases SLC upon audio connection transfer toward AG	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
22	Support for automatic link loss recovery	4.2	O	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.
C.7: Optional if BB:2/3 is supported, otherwise excluded.

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	C.5	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; 4.17	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
12e	Originate new call with established call in progress	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
22	Support for automatic link loss recovery	4.3	O	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
C.5: Optional if BB:2/3 is supported, otherwise excluded.

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 0: Versions

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Headset Profile v1.1	HSP, 2.2	O.1	X
2	Headset Profile v1.2	HSP, 2.2	O.1	X

O.1: It is mandatory to support only one of these versions.

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	Outogoing 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	C.4	X

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.
C.4: Excluded if HSP 0/2 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	SP, 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	C.3	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.
C.3: Excluded if HSP 0/2 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	C.1	X

Note: ESR1 refers ro the Errata Service Release 1 v 1.02, released 25 August 2003
C.1 Excluded if HSP 0/2 is supported; otherwise optional.

Headset Profile
External to Core

Roles

Table 0: Versions

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Headset Profile v1.1	HSP, 2.2	O.1	X
2	Headset Profile v1.2	HSP, 2.2	O.1	X

O.1: It is mandatory to support only one of these versions.

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	Outogoing 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	C.4	X

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.
C.4: Excluded if HSP 0/2 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	SP, 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	C.3	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.
C.3: Excluded if HSP 0/2 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	C.1	X

Note: ESR1 refers ro the Errata Service Release 1 v 1.02, released 25 August 2003
C.1 Excluded if HSP 0/2 is supported; otherwise optional.

Interoperability

Table 1: Interoperability Test Specification

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

RFCOMM with TS 07.10
External to Core

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.

Serial Port Profile
External to Core

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