



---

**Technical Document – Confidential**

**GSM PROTOCOL STACK**

**TEST SPECIFICATION MFW**

**(PART BLUETOOTH)**

---

|                     |                         |
|---------------------|-------------------------|
| Document Number:    | 8445.402.01.001         |
| Version:            | 0.2                     |
| Status:             | Draft                   |
| Approval Authority: |                         |
| Creation Date:      | 2001-Jan-15             |
| Last changed:       | 2015-Mar-08 by XGUTTEFE |
| File Name:          | mfwbt.doc               |

## Important Notice

Texas Instruments Incorporated and/or its subsidiaries (TI) reserve the right to make corrections, modifications, enhancements, improvements, and other changes to its products, software and services at any time and to discontinue any product, software or service without notice. Customers should obtain the latest relevant information during product design and before placing orders and should verify that such information is current and complete.

All products are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment. TI warrants performance of its hardware products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by government requirements, testing of all parameters of each product is not necessarily performed.

TI assumes no liability for applications assistance or customer product design. Customers are responsible for their products and applications using TI products, software and/or services. To minimize the risks associated with customer products and applications, customers should provide adequate design, testing and operating safeguards.

Any access to and/or use of TI software described in this document is subject to Customers entering into formal license agreements and payment of associated license fees. TI software may solely be used and/or copied subject to and strictly in accordance with all the terms of such license agreements.

Customer acknowledges and agrees that TI products and/or software may be based on or implement industry recognized standards and that certain third parties may claim intellectual property rights therein. The supply of products and/or the licensing of software does not convey a license from TI to any third party intellectual property rights and TI expressly disclaims liability for infringement of third party intellectual property rights.

TI does not warrant or represent that any license, either express or implied, is granted under any TI patent right, copyright, mask work right, or other TI intellectual property right relating to any combination, machine, or process in which TI products, software or services are used.

Information published by TI regarding third-party products, software or services does not constitute a license from TI to use such products, software or services or a warranty, endorsement thereof or statement regarding their availability. Use of such information, products, software or services may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

No part of this document may be reproduced or transmitted in any form or by any means, electronically or mechanically, including photocopying and recording, for any purpose without the express written permission of TI.

## Change History

| Date        | Changed by | Approved by | Version | Status | Notes |
|-------------|------------|-------------|---------|--------|-------|
| 2001-Jan-15 | RM         |             | 0.1     |        | 1     |
| 2003-May-19 | XGUTTEFE   |             | 0.2     | Draft  |       |
|             |            |             |         |        |       |

### Notes:

1. Initial version

## Table of Contents

|          |   |           |
|----------|---|-----------|
| 1.1      | References .....  | 7         |
| 1.2      | Abbreviations .....   | 10        |
| 1.3      | Terms .....   | 12        |
| <b>2</b> | <b>Overview .....</b>   | <b>13</b> |
| <b>3</b> | <b>Parameters .....</b>   | <b>15</b> |
| <b>4</b> | <b>TEST CASES .....</b>   | <b>21</b> |
| 4.1      | Routing (internal) .....  | 21        |
| 4.1.1    | MFWBT001: Setup the Routing and the PCO view for the MMI test .....                                   | 21        |
| 4.2      | MMI Component Tests .....   | 23        |
| 4.2.1    | MFWBT100: Power On Sequence without MMI, no start of bluetooth profiles .....                         | 23        |
| 4.2.2    | MFWBT101: start application and enable bluetooth profile HEADSET in server and client mode .....      | 24        |
| 4.2.3    | MFWBT102: request and confirm of HEADSET client initializing .....                                    | 25        |
| 4.2.4    | MFWBT103: request and confirm of HEADSET client reconfiguration .....                                 | 26        |
| 4.2.5    | MFWBT104: request and receive state of HEADSET client connection mode .....                           | 27        |
| 4.2.6    | MFWBT105: get config of HEADSET client and server profile .....                                       | 27        |
| 4.2.7    | MFWBT106: set auto connection on for profile HEADSET .....  | 28        |
| 4.2.8    | MFWBT107: request and confirm of HEADSET client deinitializing .....                                  | 28        |
| 4.2.9    | MFWBT108: : transfer audio out request and confirm for HEADSET .....                                  | 29        |
| 4.2.10   | MFWBT109: : transfer audio in request and confirm for HEADSET .....                                   | 30        |
| 4.2.11   | MFWBT110: save configuration of profile HEADSET .....   | 30        |
| 4.2.12   | MFWBT111: restore configuration of profile HEADSET .....  | 31        |
| 4.2.13   | MFWBT112: save default HEADSET list .....   | 31        |
| 4.2.14   | MFWBT113: restore default HEADSET list .....  | 32        |
| 4.2.15   | MFWBT114: connection indication from remote HEADSET .....   | 32        |
| 4.2.16   | MFWBT115: disconnection indication from remote network or HEADSET service .....                       | 33        |
| 4.2.17   | MFWBT116: connection failure confirmation of service HEADSET .....                                    | 34        |
| 4.2.18   | MFWBT117: connection indication from gsm network .....  | 34        |
| 4.2.19   | MFWBT202: request and confirm of HEADSET server initializing .....                                    | 35        |
| 4.2.20   | MFWBT203: request and confirm of HEADSET server reconfiguration .....                                 | 36        |
| 4.2.21   | MFWBT204: request and confirm of HEADSET server deinitializing .....                                  | 37        |
| 4.2.22   | MFWBT205: disable HEADSET client and server mode, stop HEADSET application .....                      | 37        |
| 4.2.23   | MFWBT206: set headset in default HEADSET list .....   | 38        |
| 4.2.24   | MFWBT207: search HEADSET services on remote bluetooth devices, build a list .....                     | 39        |
| 4.2.25   | MFWBT208: remove HEADSET from the default HEADSET list .....  | 40        |
| 4.2.26   | MFWBT209: get info about a HEADSET of the default HEADSET list .....                                  | 41        |
| 4.2.27   | MFWBT210: change info of a HEADSET in the default HEADSET list .....                                  | 41        |
| 4.2.28   | MFWBT211: connection request for profile HEADSET .....  | 41        |
| 4.2.29   | MFWBT212: disconnection request for profile HEADSET .....   | 42        |
| 4.2.30   | MFWBT213: set HEADSET parameter speaker gain .....  | 42        |
| 4.2.31   | MFWBT214: search HEADSET services of remote bluetooth devices and delete list of found services ..... | 43        |
| 4.2.32   | MFWBT215: connection information of service HEADSET .....   | 44        |
| 4.2.33   | MFWBT216: check whether HEADSET on the default list is .....  | 45        |
| 4.2.34   | MFWBT301: start application and enable bluetooth profile dial up network (DUN) .....                  | 45        |
| 4.2.35   | MFWBT302: request and confirm of DUN initializing .....   | 46        |
| 4.2.36   | MFWBT303: request and confirm the DUN reconfiguration .....   | 46        |
| 4.2.37   | MFWBT304: request and confirm the DUN deinitializing .....  | 47        |
| 4.2.38   | MFWBT305: deinitialize the DUN profile and stop DUN application .....                                 | 48        |
| 4.2.39   | MFWBT306: search DUN services on remote bluetooth devices, build a list .....                         | 49        |

|        |   |    |
|--------|---|----|
| 4.2.40 | MFWBT307: search DUN services on remote bluetooth devices, build a list and delete list of found services .....                     | 49 |
| 4.2.41 | MFWBT308: disconnection request for profile DUN .....   | 50 |
| 4.2.42 | MFWBT309: disconnection indication for profile DUN .....  | 51 |
| 4.2.43 | MFWBT310: connection indication for profile DUN .....   | 51 |
| 4.2.44 | MFWBT311: call monitoring DUN .....   | 52 |
| 4.2.45 | MFWBT401: start application and enable bluetooth profile FAX .....  | 54 |
| 4.2.46 | MFWBT402: request and confirm the of FAX profile initializing .....   | 55 |
| 4.2.47 | MFWBT403: request and confirm the profile FAX reconfiguration .....   | 55 |
| 4.2.48 | MFWBT404: deinitialize FAX profile and stop FAX application .....   | 56 |
| 4.2.49 | MFWBT405: request and confirm of FAX profile deinitializing .....   | 57 |
| 4.2.50 | MFWBT406: search FAX services on remote bluetooth devices, build a list .....   | 58 |
| 4.2.51 | MFWBT407: search FAX services on remote bluetooth devices, build a list and delete list of found FAX .....                          | 58 |
| 4.2.52 | MFWBT408: disconnection request for profile FAX .....   | 59 |
| 4.2.53 | MFWBT409: connection indication for profile FAX .....   | 60 |
| 4.2.54 | MFWBT410: disconnection indication for profile FAX .....  | 61 |
| 4.2.55 | MFWBT411: call monitoring FAX .....   | 61 |
| 4.2.56 | MFWBT500: start application of bluetooth profile OPP, enable OPP in client and server mode .....                                    | 62 |
| 4.2.57 | MFWBT501: request and confirm of profile OPP client initializing .....  | 63 |
| 4.2.58 | MFWBT502: request and confirm of profile OPP server initializing .....  | 64 |
| 4.2.59 | MFWBT503: request and confirm of profile OPP client deinitializing .....  | 64 |
| 4.2.60 | MFWBT504: request and confirm of profile OPP server deinitializing .....  | 65 |
| 4.2.61 | MFWBT505: request and confirm of profile OPP server reconfiguration .....   | 66 |
| 4.2.62 | MFWBT506: search OPP server services on remote bluetooth devices, build a list .....  | 67 |
| 4.2.63 | MFWBT507: search OPP server services on remote bluetooth devices, build a list and delete list of found services .....              | 68 |
| 4.2.64 | MFWBT508: deinitialize profile OPP server and client and stop OPP application .....   | 69 |
| 4.2.65 | MFWBT509: deinitialize profile OPP client and server and stop OPP application .....   | 70 |
| 4.2.66 | MFWBT510: response to put request of an object and confirm from OPP server .....  | 71 |
| 4.2.67 | MFWBT511: put request from OPP server .....   | 71 |
| 4.2.68 | MFWBT512: put confirmation from OPP server .....  | 72 |
| 4.2.69 | MFWBT513: push request from OPP client for an object .....  | 72 |
| 4.2.70 | MFWBT514: object push confirm for OPP client .....  | 73 |
| 4.2.71 | MFWBT515: pull request from OPP client for an object .....  | 73 |
| 4.2.72 | MFWBT516: object pull confirm for OPP client .....  | 74 |
| 4.2.73 | MFWBT517: exchange business cards between OPP client an OPP server .....  | 74 |
| 4.2.74 | MFWBT600: start application of bluetooth profile SYNC, enable SYNC server .....   | 75 |
| 4.2.75 | MFWBT601: request and confirm of of profile SYNC server initializing .....  | 75 |
| 4.2.76 | MFWBT602: SYNC server sends syn command .....   | 76 |
| 4.2.77 | MFWBT603: SYNC complete indication .....  | 77 |
| 4.2.78 | MFWBT604: SYNC server sends authentication request .....  | 77 |
| 4.2.79 | MFWBT605: SYNC server sends authentication response .....   | 78 |
| 4.2.80 | MFWBT606: SYNC server terminates synchronization .....  | 78 |
| 4.2.81 | MFWBT607: SYNC client requests to pull an object from SYNC server .....   | 79 |
| 4.2.82 | MFWBT608: SYNC reply to the pull request an object from SYNC server .....   | 79 |
| 4.2.83 | MFWBT609: SYNC client requests to push an object to SYNC server .....   | 80 |
| 4.2.84 | MFWBT610: SYNC reply to the push request an object from SYNC server .....   | 80 |
| 4.2.85 | MFWBT611: SYNC client confirmation after push an object to SYNC server .....  | 81 |
| 4.2.86 | MFWBT612: request and confirm of profile SYNC server deinitializing .....   | 81 |
| 4.2.87 | MFWBT613: request and confirm of profile SYNC server reconfiguration .....  | 82 |
| 4.2.88 | MFWBT614: connection indication from SYNC client .....  | 83 |
| 4.2.89 | MFWBT615: deinitialize profile SYNC server and stop SYNC application .....  | 84 |
| 4.2.90 | MFWBT616: search SYNC server services with sync command support on remote bluetooth devices, build a list .....                     | 84 |
| 4.2.91 | MFWBT617: search SYNC server services with sync command support on remote bluetooth devices and delete list of found services ..... | 86 |
| 4.2.92 | MFWBT700: register in SCM .....   | 87 |

|                         |  |            |
|-------------------------|--|------------|
| 4.2.93                  | MFWBT701: set common security mode .....                               | 87         |
| 4.2.94                  | MFWBT702: set common pairable mode .....                               | 88         |
| 4.2.95                  | MFWBT703: search bluetooth devices and their services .....            | 88         |
| 4.2.96                  | MFWBT704: abort browsing process .....                                 | 89         |
| 4.2.97                  | MFWBT705: delete list of found bluetooth devices .....                 | 90         |
| 4.2.98                  | MFWBT706: delete lists of found bluetooth services .....               | 90         |
| 4.2.99                  | MFWBT707: pin request .....  | 94         |
| 4.2.100                 | MFWBT708: pin response .....   | 94         |
| 4.2.101                 | MFWBT709: pin confirmation .....                                       | 95         |
| 4.2.102                 | MFWBT710: set pairing mode on .....                                    | 95         |
| 4.2.103                 | MFWBT711: set pairing mode off .....                                   | 96         |
| 4.2.104                 | MFWBT712: start pairing procedure .....                                | 96         |
| 4.2.105                 | MFWBT713: confirmation of pairing procedure .....                      | 96         |
| 4.2.106                 | MFWBT714: check pairing state .....                                    | 97         |
| 4.2.107                 | MFWBT715: inquiry paired devices, build a list of paired devices ..... | 97         |
| 4.2.108                 | MFWBT716: delete paired devices from the list of paired devices .....  | 98         |
| 4.2.109                 | MFWBT717: authorization request sync .....                             | 98         |
| 4.2.110                 | MFWBT718: authorization request hsg .....                              | 99         |
| 4.2.111                 | MFWBT719: authorization request fax .....                              | 100        |
| 4.2.112                 | MFWBT720: authorization request dun .....                              | 100        |
| 4.2.113                 | MFWBT721: authorization request opp .....                              | 101        |
| 4.2.114                 | MFWBT722: authorization reply sync .....                               | 102        |
| 4.2.115                 | MFWBT723: authorization reply hsg .....                                | 102        |
| 4.2.116                 | MFWBT724: authorization reply dun .....                                | 102        |
| 4.2.117                 | MFWBT725: authorization reply fax .....                                | 103        |
| 4.2.118                 | MFWBT726: authorization reply opp .....                                | 103        |
| 4.2.119                 | MFWBT727: get bluetooth authorizations .....                           | 103        |
| 4.2.120                 | MFWBT728: set bluetooth authorization fax .....                        | 104        |
| 4.2.121                 | MFWBT729: set bluetooth authorization dun .....                        | 104        |
| 4.2.122                 | MFWBT730: set bluetooth authorization hsg .....                        | 105        |
| 4.2.123                 | MFWBT731: set bluetooth authorization opp .....                        | 105        |
| 4.2.124                 | MFWBT732: set bluetooth authorization sync .....                       | 105        |
| 4.2.125                 | MFWBT733: authorization list for profile sync .....                    | 106        |
| 4.2.126                 | MFWBT734: authorization list for profile opp .....                     | 106        |
| 4.2.127                 | MFWBT735: authorization list for profile fax .....                     | 106        |
| 4.2.128                 | MFWBT736: authorization list for profile hsg .....                     | 107        |
| 4.2.129                 | MFWBT737: authorization list for profile dun .....                     | 107        |
| 4.2.130                 | MFWBT738: authorization list for all profiles .....                    | 108        |
| 4.2.131                 | MFWBT739: delete authorization for profile sync .....                  | 108        |
| 4.2.132                 | MFWBT740: delete authorization for profile dun .....                   | 108        |
| 4.2.133                 | MFWBT741: delete authorization for profile fax .....                   | 109        |
| 4.2.134                 | MFWBT742: delete authorization for profile opp .....                   | 109        |
| 4.2.135                 | MFWBT743: delete authorization for profile hsg .....                   | 109        |
| 4.2.136                 | MFWBT744: delete authorizations for a device .....                     | 110        |
| 4.2.137                 | MFWBT745: set common security mode .....                               | 110        |
| 4.2.138                 | MFWBT746: set default security values .....                            | 111        |
| 4.2.139                 | MFWBT747: deregister in SCM .....                                      | 111        |
| <b>Appendices .....</b> |  | <b>112</b> |
| A.                      | Acronyms .....   | 112        |
| B.                      | Glossary .....   | 112        |

## List of Figures and Tables

## List of References

- [ISO 9000:2000]** International Organization for Standardization. Quality management systems - Fundamentals and vocabulary. December 2000

## 1.1 References

- [1] GSM 2.81, Line Identification Supplementary Services - Stage 1  
ETS 300 514, ETSI, September 1994
- [2] GSM 2.82, Call Forwarding Supplementary Services - Stage 1  
ETS 300 515, ETSI, September 1994
- [3] GSM 2.83, Call Waiting and Call Hold Supplementary Services - Stage 1  
ETS 300 516, ETSI, September 1994
- [4] GSM 2.84, Multi Party Supplementary Services - Stage 1  
ETS 300 517, ETSI, September 1994
- [5] GSM 2.85, Closed User Group Supplementary Services - Stage 1  
ETS 300 518, ETSI, September 1994
- [6] GSM 2.86, Advice of Charge Supplementary Services - Stage 1  
ETS 300 519, ETSI, September 1994
- [7] GSM 2.88, Call Barring Supplementary Services - Stage 1  
ETS 300 520, ETSI, September 1994
- [8] GSM 3.14, Support of Dual Tone Multi Frequency Signalling via the GSM System  
ETS 300 532, ETSI, April 1994
- [9] GSM 3.40, Technical Realization of the Short Message Service Point-to-Point  
ETS 300 536, ETSI, January 1996
- [10] GSM 3.41, Technical Realization of Short Message Service Cell Broadcast  
ETS 300 537, ETSI, June 1995
- [11] GSM 3.81, Line Identification Supplementary Services - Stage 2  
ETS 300 542, ETSI, February 1995
- [12] GSM 3.82, Call Forwarding Supplementary Services - Stage 2  
ETS 300 543, ETSI, February 1995
- [13] GSM 3.83, Call Waiting and Call Hold Supplementary Services - Stage 2  
ETS 300 544, ETSI, November 1994
- [14] GSM 3.84, Multi Party Supplementary Services - Stage 2  
ETS 300 545, ETSI, November 1994
- [15] GSM 3.85, Closed User Group Supplementary Services - Stage 2  
ETS 300 546, ETSI, January 1996
- [16] GSM 3.86, Advice of Charge Supplementary Services - Stage 2  
ETS 300 547, ETSI, March 1995
- [17] GSM 3.88, Call Barring Supplementary Services - Stage 2  
ETS 300 548, ETSI, November 1994
- [18] GSM 4.01, MS-BSS Interface General Aspects and Principles  
ETS 300 550, ETSI, September 1994
- [18a] GSM 4.03, MS-BSS Interface Channel Structures and Access Capabilities  
ETS 300 552, ETSI, September 1994
- [19] GSM 4.05, Data Link Layer General Aspects  
ETS 300 554, ETSI, September 1994
- [20] GSM 4.06, MS-BSS Interface Data Link Layer Specification  
ETS 300 555, ETSI, September 1994
- [21] GSM 4.07, Mobile Radio Interface Signalling Layer 3 General Aspects  
ETS 300 556, ETSI, February 1995

- [22] GSM 4.08, Mobile Radio Interface Layer 3 Specification  
ETS 300 557, ETSI, January 1996
- [23] GSM 4.10, Mobile Radio Interface Layer 3 Supplementary Services Specification  
General Aspects  
ETS 300 558, ETSI, February 1995
- [24] GSM 4.11, Point-to-Point Short Message Service Support on Mobile Radio Interface  
ETS 300 559, ETSI, October 1995
- [25] GSM 4.12, Short Message Service Cell Broadcast Support on Mobile Radio Interface  
ETS 300 560, ETSI, January 1996
- [26] GSM 4.80, Mobile Radio Interface Supplementary Services Specification Formats and Coding  
ETS 300 564, ETSI, February 1995
- [27] GSM 4.81, Line Identification Supplementary Services - Stage 3  
ETS 300 565, ETSI, February 1995
- [28] GSM 4.82, Call Forwarding Supplementary Services - Stage 3  
ETS 300 566, ETSI, February 1995
- [29] GSM 4.83, Call Waiting and Call Hold Supplementary Services - Stage 3  
ETS 300 567, ETSI, February 1995
- [30] GSM 4.84, Multi Party Supplementary Services - Stage 3  
ETS 300 568, ETSI, February 1995
- [31] GSM 4.85, Closed User Group Supplementary Services - Stage 3  
ETS 300 569, ETSI, February 1995
- [32] GSM 4.86, Advice of Charge Supplementary Services - Stage 3  
ETS 300 570, ETSI, February 1995
- [33] GSM 4.88, Call Barring Supplementary Services - Stage 3  
ETS 300 571, ETSI, February 1995
- [34] GSM 5.01, Physical Layer on the Radio Path General Description  
ETS 300 573, ETSI, October 1995
- [35] GSM 5.02, Multiplexing and Multiple Access on the Radio Path  
ETS 300 574, ETSI, January 1996
- [36] GSM 5.08, Radio Sub-system Link Control  
ETS 300 578, ETSI, January 1996
- [37] GSM 5.10, Radio Sub-system Synchronisation  
ETS 300 579, ETSI, October 1995
- [38] Service Access Point MMREG  
6147.100.96.100; Condat GmbH
- [39] Service Access Point MNCC  
6147.101.96.100; Condat GmbH
- [40] Service Access Point MNSS  
6147.102.96.100; Condat GmbH
- [41] Service Access Point MNSMS  
6147.103.96.100; Condat GmbH
- [42] Service Access Point MMCC  
6147.104.97.100; Condat GmbH
- [43] Service Access Point MMSS  
6147.105.97.100; Condat GmbH
- [44] Service Access Point MMSMS  
6147.106.97.100; Condat GmbH

- [45] Service Access Point RR  
6147.107.97.100; Condat GmbH
- [46] Service Access Point SIM  
6147.108.97.100; Condat GmbH
- [47] Service Access Point MPH  
6147.109.96.100; Condat GmbH
- [48] Service Access Point DL  
6147.110.96.100; Condat GmbH
- [49] Service Access Point MDL  
6147.111.96.100; Condat GmbH
- [50] Service Access Point PH  
6147.112.97.100; Condat GmbH
- [51] Service Access Point MMI  
6147.113.96.100; Condat GmbH
- [52] Service Access Point BTP  
8445.100.00.002; Condat GmbH
- [53] Message Sequence Charts CC  
6147.200.97.100; Condat GmbH
- [54] Message Sequence Charts SS  
6147.201.97.100; Condat GmbH
- [55] Message Sequence Charts SMS  
6147.202.97.100; Condat GmbH
- [56] Message Sequence Charts MM  
6147.203.97.100; Condat GmbH
- [57] Message Sequence Charts RR  
6147.204.96.100; Condat GmbH
- [58] Message Sequence Charts DL  
6147.205.96.100; Condat GmbH
- [59] Users Guide  
6147.300.96.100; Condat GmbH
- [60] Test Specification CC  
6147.400.97.100; Condat GmbH
- [61] Test Specification SS  
6147.401.97.100; Condat GmbH
- [62] Test Specification SMS  
6147.402.97.100; Condat GmbH
- [63] Test Specification MM  
6147.403.97.100; Condat GmbH
- [64] Test Specification RR  
6147.404.97.100; Condat GmbH
- [65] Test Specification DL  
6147.405.97.100; Condat GmbH
- [66] Test Specification CCD  
6147.406.97.100; Condat GmbH
- [67] SDL Specification CC  
6147.500.97.100; Condat GmbH

- [68] SDL Specification SS  
6147.501.97.100; Condat GmbH
- [69] SDL Specification SMS  
6147.502.97.100; Condat GmbH
- [70] SDL Specification MM  
6147.503.97.100; Condat GmbH
- [71] SDL Specification RR  
6147.504.97.100; Condat GmbH
- [72] SDL Specification DL  
6147.505.97.100; Condat GmbH
- [73] Message Specification CC  
6147.600.97.100; Condat GmbH
- [74] Message Specification SS  
6147.601.97.100; Condat GmbH
- [75] Message Specification SMS  
6147.602.97.100; Condat GmbH
- [76] Message Specification MM  
6147.603.97.100; Condat GmbH
- [77] Message Specification RR  
6147.604.97.100; Condat GmbH
- [78] Message Specification DL  
6147.605.97.100; Condat GmbH
- [79] Technical Documentation CC  
6147.700.97.100; Condat GmbH
- [80] Technical Documentation SS  
6147.701.97.100; Condat GmbH
- [81] Technical Documentation SMS  
6147.702.97.100; Condat GmbH
- [82] Technical Documentation MM  
6147.703.97.100; Condat GmbH
- [83] Technical Documentation RR  
6147.704.97.100; Condat GmbH
- [84] Technical Documentation DL  
6147.705.97.100; Condat GmbH
- [85] Technical Documentation CCD  
6147.706.97.100; Condat GmbH
- [86] GTI-BTI Interface Description  
8445.200.00.008; Condat GmbH

## 1.2 Abbreviations

|      |                                  |
|------|----------------------------------|
| AGCH | Access Grant Channel             |
| BCCH | Broadcast Control Channel        |
| BS   | Base Station                     |
| BSIC | Base Station Identification Code |
| BTI  | Bluetooth Interface              |

|       |  |
|-------|--|
| BTP   | Bluetooth Protocol                       |
| CBCH  | Cell Broadcast Channel                   |
| CBQ   | Cell Bar Qualify                         |
| CC    | Call Control                             |
| CCCH  | Common Control Channel                   |
| CCD   | Condat Coder Decoder                     |
| CKSN  | Ciphering Key Sequence Number            |
| C/R   | Command / Response                       |
| C1    | Path Loss Criterion                      |
| C2    | Reselection Criterion                    |
| DCCH  | Dedicated Control Channel                |
| DISC  | Disconnect Frame                         |
| DL    | Data Link Layer                          |
| DM    | Disconnected Mode Frame                  |
| EA    | Extension Bit Address Field              |
| EL    | Extension Bit Length Field               |
| EMMI  | Electrical Man Machine Interface         |
| F     | Final Bit                                |
| FACCH | Fast Associated Control Channel          |
| FHO   | Forced Handover                          |
| GP    | Guard Period                             |
| GSM   | Global System for Mobile Communication   |
| HPLMN | Home Public Land Mobile Network          |
| I     | Information Frame                        |
| IMEI  | International Mobile Equipment Identity  |
| IMSI  | International Mobile Subscriber Identity |
| Kc    | Authentication Key                       |
| L     | Length Indicator                         |
| LAI   | Location Area Information                |
| LPD   | Link Protocol Discriminator              |
| M     | More Data Bit                            |
| MCC   | Mobile Country Code                      |
| MM    | Mobility Management                      |
| MMI   | Man Machine Interface                    |
| MNC   | Mobile Network Code                      |
| MS    | Mobile Station                           |
| NCC   | National Colour Code                     |
| NECI  | New Establishment Causes included        |
| N(R)  | Receive Number                           |
| N(S)  | Send Number                              |
| OTD   | Observed Time Difference                 |
| P     | Poll Bit                                 |
| PCH   | Paging Channel                           |
| PDU   | Protocol Description Unit                |
| P/F   | Poll / Final Bit                         |
| PL    | Physical Layer                           |
| PLMN  | Public Land Mobile Network               |
| RACH  | Random Access Channel                    |
| REJ   | Reject Frame                             |
| RNR   | Receive Not Ready Frame                  |
| RR    | Radio Resource Management                |
| RR    | Receive Ready Frame                      |
| RTD   | Real Time Difference                     |
| SABM  | Set Asynchronous Balanced Mode           |
| SACCH | Slow Associated Control Channel          |
| SAP   | Service Access Point                     |
| SAPI  | Service Access Point Identifier          |
| SDCCH | Slow Dedicated Control Channel           |
| SIM   | Subscriber Identity Module               |

|       |                                      |
|-------|--------------------------------------|
| SMS   | Short Message Service                |
| SMSCB | Short Message Service Cell Broadcast |
| SS    | Supplementary Services               |
| TCH   | Traffic Channel                      |
| TCH/F | Traffic Channel Full Rate            |
| TCH/H | Traffic Channel Half Rate            |
| TDMA  | Time Division Multiple Access        |
| TMSI  | Temporary Mobile Subscriber Identity |
| UA    | Unnumbered Acknowledgement Frame     |
| UI    | Unnumbered Information Frame         |
| VPLMN | Visiting Public Land Mobile Network  |
| V(A)  | Acknowledgement State Variable       |
| V(R)  | Receive State Variable               |
| V(S)  | Send State Variable                  |

### 1.3 Terms

|                      |  |
|----------------------|--|
| Entity:              | Program which executes the functions of a layer  |
| Message:             | A message is a data unit which is transferred between the entities of the same layer (peer-to-peer) of the mobile and infrastructure side. Message is used as a synonym to protocol data unit (PDU). A message may contain several information elements. |
| Primitive:           | A primitive is a data unit which is transferred between layers on one component (mobile station or infrastructure). The primitive has an operation code which identifies the primitive and its parameters.   |
| Service Access Point | A Service Access Point is a data interface between two layers on one component (mobile station or infrastructure).   |

## 2 Overview

The Protocol Stacks are used to define the functionality of the GSM protocols for interfaces. The GSM specifications are normative when used to describe the functionality of interfaces, but the stacks and the subdivision of protocol layers does not imply or restrict any implementation.

The base of the Protocol Stack rests on the physical layer.

The Data Link Layer (DL) is used to handle an acknowledged connection between mobile and base station. The LAPDm protocol is used.

Radio Resource (RR) manages the resources of the air-interface. That means configuration of physical layer, cell selection and cell reselection, data transfer, RR-Connection handling.

Mobility Management (MM) handles registration aspects for the mobile station. It detects changes of location areas and updates a mobile station in the new location area.

Call Control (CC) provides the call functionality. This includes call establishment, call maintenance procedures like Hold, Retrieve or Modify, and call disconnection.

Supplementary Services (SS) handles all call independent supplementary services like call forwarding or call barring.

Short Message Services (SMS) is used for sending and receiving point-to-point short messages. Additionally the reception of cell broadcast short messages is included.

The man machine interface (MMI) is the interface to the user. Normally it is connected with a keypad as input device and a display as output device.

Between the several entities data interfaces are defined. These data interfaces are called Service Access Points (SAPs), indicating that an upper layer uses the services of a lower layer.

The GSM specification do not set out any implementation of the Protocol Stack. The following diagrams show the implementation described in all these documents for the mobile station. All entities except the Man Machine Interface and Physical Layer are implemented as part of the Protocol Stack.

**Error! Objects cannot be created from editing field codes.**

Figure 1: Mobile-station protocol architecture

This document describes the tests for the whole protocol stack using the MMI Framework.

### 3 Parameters

```
#define PHASE_2_PIN_ENTERING 2
```

```
DECLARATION (PLMN_262_01)  
DECLARATION (MCC_262)  
DECLARATION (MNC_01)  
DECLARATION (ADDRESS_HEADSET)  
DECLARATION (ADDRESS_HEADSET1)  
DECLARATION (ADDRESS_HEADSET2)  
DECLARATION (ADDRESS_FAX)  
DECLARATION (ADDRESS_OPP)  
DECLARATION (ADDRESS_OPP1)  
DECLARATION (ADDRESS_OPP2)  
DECLARATION (ADDRESS_OPP3)  
DECLARATION (ADDRESS_SYNC_C1)  
DECLARATION (ADDRESS_SYNC_C2)  
DECLARATION (NAME_HEADSET1)  
DECLARATION (NAME_HEADSET2)  
DECLARATION (NAME_HEADSET3)  
DECLARATION (NAME_DIALUP1)  
DECLARATION (NAME_FAX)  
DECLARATION (ADDRESS_DIALUP)  
DECLARATION (ADDRESS_DIALUP1)  
DECLARATION (ADDRESS_DIALUP2)  
DECLARATION (PIN)  
DECLARATION (SER_NAME_DIALUP)  
DECLARATION (SER_NAME_FAX)  
DECLARATION (SER_NAME_HSG)  
DECLARATION (SER_NAME_OPP)  
DECLARATION (SER_NAME_SYNC_C)  
DECLARATION (NAME_OPP1)  
DECLARATION (NAME_OPP2)  
DECLARATION (NAME_OPP3)  
DECLARATION (NAME_OPP4)  
DECLARATION (NAME_SYN_C1)  
DECLARATION (NAME_SYN_C2)  
DECLARATION (NAME_SYN_C3)  
DECLARATION (NAME_SYN_C4)  
DECLARATION (NAME_BD)  
DECLARATION (NAME_SYN_C6)  
DECLARATION (S_NAME_OPP)  
DECLARATION (S_NAME_OPP1)  
DECLARATION (NAME_HSG_PIN)  
DECLARATION (SYNC_OBJ_PATH)
```

```
#define PIN_1 1  
#define PIN_2 2  
#define HEADSET 1  
#define DIALUP 2  
#define FAX 4  
#define OPP 5  
#define SYNC 6  
#define SYNC_CMD 7  
#define OK 0x00  
#define NOK 0x01
```

```

#define INVALID                0x02
#define NO_SUPP                0x03
#define NO_REA                 0x04
#define INT_ERR                0x05
#define SYNC_ERR               0x08
#define CONN_FAIL              0x03
#define CNF_ID_1               0x01
#define GSM                     0x02
#define REM_HS                  0x01
#define NO_HSG                  0x03
#define INVALID_ID              0xfe
#define PROT_ID                 0x00000100
#define PROT_ID_DUN             0x00000010
#define PROT_ID_HSG             0x00000001
#define PROT_ID_FAX             0x00000100
#define PROT_ID_OPP             0x00001000
#define PROT_ID_SYNC_C         0x00100000
#define SERVICE_1               0x00000090
#define SERVICE_2               0x000000D4
#define SERVICE_3               0x000005D0
#define CALL_IN_PRO             0x00
#define CALL_ESTABL              0x01
#define CALL_PAUSED              0x02
#define CALL_RESUMED             0x03
#define CALL_HANG_UP             0x04
#define CALL_RELEAS              0x05
#define CALL_IN_PRO_FAX          0x06
#define CALL_ESTABL_FAX          0x07
#define CALL_HANG_UP_FAX          0x08
#define CALL_RELEAS_FAX          0x09
#define INCOMM                   0x00
#define CLIENT                   0x01
#define SERVER                   0x02
#define NO_SUBTYPE               0xff
#define NO_OPP_MODE              0
#define OPP_BUFFER_MODE          0x03
#define STORE_BUFFER             0x02
#define STORE_FFS                 0x01
#define GEN_SYNC_MODE            0x01
#define SYN_INIT_SYNC_MODE       0x02
#define NO_SYNC_MODE              0x03
#define NO_INIT_AUTH_MODE         0x02
#define SYNC_AUTH_MODE            0x01
#define NO_SYNC_AUTH_MODE         0x03
#define SYN_OBJ_SIZE              0x100
/*
Command:      +CMEE
              extended error report mode

*/
STRING(C_PLUS_CMEE_VERB, "AT+CMEE=2 ")
BYTE LC_PLUS_CMEE_VERB 9
/*
Message:      OK
              successful operation

*/
STRING(M_OK, "OK")
BYTE LM_OK 2
    
```

```
/*
Command:      +CFUN
              set phone functionality
*/
STRING(C_PLUS_CFUN_FULL, "AT+CFUN=1 ")
BYTE LC_PLUS_CFUN_FULL 9
BYTE                                     TL_MO_00x00
BYTE NUM_0 0
BYTE NUM_1 1
BYTE NUM_2 2
BYTE NUM_3 3
BYTE NUM_9 9
BYTE NUM_10 10
BYTE V_PLMN_PRES 1
BYTE V_PLMN_NOT_PRES 0
BYTE SECMOD_DEF 1
BYTE CONATT_DEF 0x10
BYTE SECMOD_2 2
BYTE ESTABL 0x01
BYTE RELEASED 0x02

FIELD (EC_CODES) 0x11, 0xF2, 0xFF,
                0x99, 0xF9, 0xFF,
                0xFF, 0xFF, 0xFF,
                0xFF, 0xFF, 0xFF,
                0xFF, 0xFF, 0xFF
ENDFIELD (EC_CODES, 15)

/* SIM service table */
FIELD (F_SIM_SRV) 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
ENDFIELD (F_SIM_SRV, 10)
BEGINARRAY (MCC_262, 3) 0x02, 0x06, 0x02 ENDARRAY
BEGINARRAY (MNC_01, 2) 0x00, 0x01 ENDARRAY
BEGINARRAY (ADDRESS_HEADSET, 6) 0xbb, 0xbb, 0xbb, 0xbb, 0xbb, 0xbb ENDARRAY
BEGINARRAY (ADDRESS_HEADSET1, 6) 0xdd, 0xdd, 0xdd, 0xdd, 0xdd, 0xdd ENDARRAY
BEGINARRAY (ADDRESS_HEADSET2, 6) 0xee, 0xee, 0xee, 0xee, 0xee, 0xee ENDARRAY
BEGINARRAY (ADDRESS_DIALUP, 6) 0xcc, 0xcc, 0xcc, 0xcc, 0xcc, 0xcc ENDARRAY
BEGINARRAY (ADDRESS_DIALUP1, 6) 0xdd, 0xdd, 0xdd, 0xdd, 0xdd, 0xdd ENDARRAY
BEGINARRAY (ADDRESS_DIALUP2, 6) 0xaa, 0xaa, 0xaa, 0xaa, 0xaa, 0xaa ENDARRAY
BEGINARRAY (ADDRESS_FAX, 6) 0xee, 0xee, 0xee, 0xee, 0xee, 0xee ENDARRAY
BEGINARRAY (ADDRESS_OPP, 6) 0xaa, 0xaa, 0xaa, 0xaa, 0xaa, 0xaa ENDARRAY
BEGINARRAY (ADDRESS_OPP1, 6) 0xbb, 0xbb, 0xbb, 0xbb, 0xbb, 0xbb ENDARRAY
BEGINARRAY (ADDRESS_OPP2, 6) 0xdd, 0xdd, 0xdd, 0xdd, 0xdd, 0xdd ENDARRAY
BEGINARRAY (ADDRESS_OPP3, 6) 0xee, 0xee, 0xee, 0xee, 0xee, 0xee ENDARRAY
BEGINARRAY (ADDRESS_SYNC_C1, 6) 0xdd, 0xdd, 0xdd, 0xdd, 0xdd, 0xdd ENDARRAY
BEGINARRAY (ADDRESS_SYNC_C2, 6) 0xee, 0xee, 0xee, 0xee, 0xee, 0xee ENDARRAY
BEGINARRAY (NAME_HEADSET1, 0x0f) 0x48, 0x53, 0x47, 0x31, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00 ENDARRAY
BEGINARRAY (NAME_HEADSET2, 0x0f) 0x48, 0x53, 0x47, 0x32, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00 ENDARRAY
BEGINARRAY (NAME_HEADSET3, 0x0f) 0x48, 0x53, 0x47, 0x33, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00 ENDARRAY
BEGINARRAY (NAME_DIALUP1, 0x0f) 0x44, 0x49, 0x41, 0x4c, 0x31, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0x00 ENDARRAY
BEGINARRAY (NAME_FAX, 0x0f) 0x46, 0x41, 0x58, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0x00 ENDARRAY
```









```
COMMAND (MMI REDIRECT SMS TAP)
COMMAND (MMI REDIRECT RA TAP)
COMMAND (MMI REDIRECT T30 TAP)
|
COMMAND (TAP REDIRECT TAP MMI)
COMMAND (MMI REDIRECT MMI TAP)
COMMAND (CST REDIRECT L1 TAP)
|
|
```

**Parametrization:**

| <u>Primitive</u> | <u>Parameter</u> | <u>Value</u> |
|------------------|------------------|--------------|
| History:         | 06.04.01         | RM Initial   |

## 4.2 MMI Component Tests

### 4.2.1 MFWBT100: Power On Sequence without MMI, no start of bluetooth profiles

**Description:**

**Preamble:** MFWBT001

| APL  | ACI                           | PS                 |
|------|-------------------------------|--------------------|
| (1)  | ACI_CMD_REQ<br>(cmd: +CMEE=2) |                    |
|      | * =====> *                    |                    |
| (2)  | ACI_CMD_IND<br>(msg: OK)      |                    |
|      | * <===== *                    |                    |
| (3)  | ACI_CMD_REQ<br>(cmd: +CFUN=1) |                    |
|      | * =====> *                    |                    |
| (4)  |                               | SIM_ACTIVATE_REQ   |
|      |                               | * =====> *         |
| (5)  |                               | SIM_ACTIVATE_CNF   |
|      |                               | * <===== *         |
| (6)  |                               | SIM_MMI_INSERT_IND |
|      |                               | * <===== *         |
| (7)  |                               | SIM_READ_REQ       |
|      |                               | * =====> *         |
| (8)  |                               | SIM_READ_CNF       |
|      |                               | * <===== *         |
| (9)  |                               | SIM_READ_REQ       |
|      |                               | * =====> *         |
| (10) |                               | SIM_READ_CNF       |
|      |                               | * <===== *         |
| (11) | ACI_CMD_IND<br>(msg: OK)      |                    |
|      | * <===== *                    |                    |

**Parametrization:**

| Primitive            | Parameter    | Value              |
|----------------------|--------------|--------------------|
| (1) ACI_CMD_REQ      | cmd_src      | CMD_SRC_EXT        |
|                      | cmd_len      | LC_PLUS_CMEE_VERB  |
|                      | cmd_seq      | C_PLUS_CMEE_VERB   |
| (2) ACI_CMD_IND      | cmd_len      | LM_OK              |
|                      | cmd_seq      | M_OK               |
| (3) ACI_CMD_REQ      | cmd_src      | CMD_SRC_EXT        |
|                      | cmd_len      | LC_PLUS_CFUN_FULL  |
|                      | cmd_seq      | C_PLUS_CFUN_FULL   |
| (4) SIM_ACTIVATE_REQ | proc         | SIM_INITIALISATION |
|                      | mmi_pro_file | NOT_USED           |
|                      | stk_pro_file | NOT_USED           |





```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_CL_HSG_TEST      |
    |            | *<===== *
(2) |            |      BTP_INIT_PROFILE_CNF  |
    |            | *===== >*
(3) |            |      BTP_INIT_PROFILE_CNF  |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive                | Parameter      | Value             |
|--------------------------|----------------|-------------------|
| (1) BTP_CL_HSG_TEST      | func_id        | 2                 |
| (2) BTP_INIT_PROFILE_CNF | device         | HEADSET           |
|                          | result         | OK                |
|                          | subtype        | CLIENT            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_INIT_PROFILE_CNF | device         | HEADSET           |
|                          | result         | OK                |
|                          | subtype        | CLIENT            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                 | 01.10.01       | RM Initial        |

**4.2.4 MFWBT103: request and confirm of HEADSET client reconfiguration**

**Description:**

**Preamble:** MFWBT101

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_CL_HSG_TEST      |
    |            | *<===== *
(2) |            |      BTP_RECONFIG_PROFILE_CNF  |
    |            | *===== >*
(3) |            |      BTP_RECONFIG_PROFILE_CNF  |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive           | Parameter | Value |
|---------------------|-----------|-------|
| (1) BTP_CL_HSG_TEST | func_id   | 3     |

|                              |                |                   |
|------------------------------|----------------|-------------------|
| (2) BTP_RECONFIG_PROFILE_CNF | device         | HEADSET           |
|                              | result         | OK                |
|                              | subtype        | CLIENT            |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
|                              | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_RECONFIG_PROFILE_CNF | device         | HEADSET           |
|                              | result         | OK                |
|                              | subtype        | CLIENT            |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
|                              | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                     | 01.10.01       | RM Initial        |

#### 4.2.5 MFWBT104: request and receive state of HEADSET client connection mode

**Description:**

**Preamble:** MFWBT100

|     |     |                 |    |
|-----|-----|-----------------|----|
|     | APL | ACI             | PS |
| (1) |     |                 |    |
|     |     | BTP_CL_HSG_TEST |    |
|     |     | *<=====*        |    |
|     |     |                 |    |

**Parametrization:**

|                  |                  |              |
|------------------|------------------|--------------|
| <u>Primitive</u> | <u>Parameter</u> | <u>Value</u> |
|------------------|------------------|--------------|

|                     |         |   |
|---------------------|---------|---|
| (1) BTP_CL_HSG_TEST | func_id | 4 |
|---------------------|---------|---|

History: 01.10.01 RM Initial

#### 4.2.6 MFWBT105: get config of HEADSET client and server profile

**Description:**

**Preamble:** MFWBT100

|     |     |                 |    |
|-----|-----|-----------------|----|
|     | APL | ACI             | PS |
| (1) |     |                 |    |
|     |     | BTP_CL_HSG_TEST |    |
|     |     | *<=====*        |    |
|     |     |                 |    |

**Parametrization:**

|                  |                  |              |
|------------------|------------------|--------------|
| <u>Primitive</u> | <u>Parameter</u> | <u>Value</u> |
|------------------|------------------|--------------|

|                     |         |   |
|---------------------|---------|---|
| (1) BTP_CL_HSG_TEST | func_id | 5 |
|---------------------|---------|---|

History: 01.10.01 RM Initial

### 4.2.7 MFWBT106: set auto connection on for profile HEADSET

**Description:**

**Preamble:** MFWBT101

|     |                          |    |
|-----|--------------------------|----|
| APL | ACI                      | PS |
| (1) | BTP_CL_HSG_TEST          |    |
| (2) | BTP_RECONFIG_PROFILE_CNF |    |
| (3) | BTP_RECONFIG_PROFILE_CNF |    |

**Parametrization:**

| Primitive                    | Parameter      | Value             |
|------------------------------|----------------|-------------------|
| (1) BTP_CL_HSG_TEST          | func_id        | 6                 |
| (2) BTP_RECONFIG_PROFILE_CNF | device         | HEADSET           |
|                              | result         | OK                |
|                              | subtype        | CLIENT            |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
| (3) BTP_RECONFIG_PROFILE_CNF | sync_init_auth | NO_SYNC_AUTH_MODE |
|                              | device         | HEADSET           |
|                              | result         | OK                |
|                              | subtype        | CLIENT            |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
|                              | sync_init_auth | NO_SYNC_AUTH_MODE |

History: 02.10.01 RM Initial

### 4.2.8 MFWBT107: request and confirm of HEADSET client deinitializing

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_CL_HSG_TEST      |
    |            | *<===== *
(2) |            |      BTP_DEINIT_PROFILE_CNF |
    |            | *===== >*
(3) |            |      BTP_DEINIT_PROFILE_CNF |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive                  | Parameter      | Value             |
|----------------------------|----------------|-------------------|
| (1) BTP_CL_HSG_TEST        | func_id        | 7                 |
| (2) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                   | 02.10.01       | RM Initial        |

**4.2.9 MFWBT108: : transfer audio out request and confirm for HEADSET**

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_CL_HSG_TEST      |
    |            | *<===== *
(2) |            |      BTP_TRANSFER_AUDIO_OUT_CNF |
    |            | *===== >*
(3) |            |      BTP_TRANSFER_AUDIO_OUT_CNF |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive           | Parameter | Value |
|---------------------|-----------|-------|
| (1) BTP_CL_HSG_TEST | func_id   | 9     |

|                                |          |                 |
|--------------------------------|----------|-----------------|
| (2) BTP_TRANSFER_AUDIO_OUT_CNF | device   | HEADSET         |
|                                | cnf_id   | CNF_ID_1        |
|                                | bd_addr  | ADDRESS_HEADSET |
|                                | result   | OK              |
| (3) BTP_TRANSFER_AUDIO_OUT_CNF | device   | HEADSET         |
|                                | cnf_id   | CNF_ID_1        |
|                                | bd_addr  | ADDRESS_HEADSET |
|                                | result   | OK              |
| History:                       | 04.10.01 | RM Initial      |

#### 4.2.10 MFWBT109: : transfer audio in request and confirm for HEADSET

**Description:**

**Preamble:** MFWBT100

|     |                           |    |
|-----|---------------------------|----|
| APL | ACI                       | PS |
| (1) |                           |    |
|     | BTP_CL_HSG_TEST           |    |
| (2) | *<=====*                  |    |
|     | BTP_TRANSFER_AUDIO_IN_CNF |    |
| (3) | *=====*                   |    |
|     | BTP_TRANSFER_AUDIO_IN_CNF |    |
|     | *<=====*                  |    |
|     |                           |    |

**Parametrization:**

| Primitive                     | Parameter | Value           |
|-------------------------------|-----------|-----------------|
| (1) BTP_CL_HSG_TEST           | func_id   | 10              |
| (2) BTP_TRANSFER_AUDIO_IN_CNF | device    | HEADSET         |
|                               | bd_addr   | ADDRESS_HEADSET |
|                               | result    | OK              |
| (3) BTP_TRANSFER_AUDIO_IN_CNF | device    | HEADSET         |
|                               | bd_addr   | ADDRESS_HEADSET |
|                               | result    | OK              |
| History:                      | 04.10.01  | RM Initial      |

#### 4.2.11 MFWBT110: save configuration of profile HEADSET

**Description:**

**Preamble:** MFWBT100





```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_CL_HSG_TEST      |
        |                  |          *<=====          *
(2)   |                  |          BTP_CONNECT_DEVICE_IND |
        |                  |          *=====>          *
(3)   |                  |          BTP_CONNECT_DEVICE_IND |
        |                  |          *<=====          *
        |                  |                  |
    
```

**Parametrization:**

| Primitive                  | Parameter | Value           |
|----------------------------|-----------|-----------------|
| (1) BTP_CL_HSG_TEST        | func_id   | 15              |
| (2) BTP_CONNECT_DEVICE_IND | device    | HEADSET         |
|                            | bd_addr   | ADDRESS_HEADSET |
|                            | bd_name   | NOT_USED        |
|                            | ind_id    | CNF_ID_1        |
|                            | src_id    | REM_HS          |
| (3) BTP_CONNECT_DEVICE_IND | device    | HEADSET         |
|                            | bd_addr   | ADDRESS_HEADSET |
|                            | bd_name   | NOT_USED        |
|                            | ind_id    | CNF_ID_1        |
|                            | src_id    | REM_HS          |
| History:                   | 05.10.01  | RM Initial      |

**4.2.16 MFWBT115: disconnection indication from remote network or HEADSET service**

**Description:**

**Preamble:** MFWBT100

```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_CL_HSG_TEST      |
        |                  |          *<=====          *
(2)   |                  |          BTP_DISCONNECT_DEVICE_IND |
        |                  |          *=====>          *
(3)   |                  |          BTP_DISCONNECT_DEVICE_IND |
        |                  |          *<=====          *
        |                  |                  |
    
```

**Parametrization:**

| Primitive                     | Parameter | Value   |
|-------------------------------|-----------|---------|
| (1) BTP_CL_HSG_TEST           | func_id   | 16      |
| (2) BTP_DISCONNECT_DEVICE_IND | device    | HEADSET |

|                               |          |                  |
|-------------------------------|----------|------------------|
|                               | ind_id   | CNF_ID_1         |
|                               | bd_addr  | ADDRESS_HEADSET1 |
| (3) BTP_DISCONNECT_DEVICE_IND |          |                  |
|                               | device   | HEADSET          |
|                               | ind_id   | CNF_ID_1         |
|                               | bd_addr  | ADDRESS_HEADSET1 |
| History:                      | 04.10.01 | RM Initial       |

#### 4.2.17 MFWBT116: connection failure confirmation of service HEADSET

**Description:**

**Preamble:** MFWBT100

|     |     |                        |    |
|-----|-----|------------------------|----|
|     | APL | ACI                    | PS |
| (1) |     |                        |    |
|     |     | BTP_CL_HSG_TEST        |    |
|     |     | *<=====*               |    |
| (2) |     | BTP_CONNECT_DEVICE_CNF |    |
|     |     | *=====*                |    |
| (3) |     | BTP_CONNECT_DEVICE_CNF |    |
|     |     | *<=====*               |    |
|     |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>    |
|----------------------------|------------------|-----------------|
| (1) BTP_CL_HSG_TEST        | func_id          | 17              |
| (2) BTP_CONNECT_DEVICE_CNF | device           | HEADSET         |
|                            | cnf_id           | CNF_ID_1        |
|                            | bd_addr          | ADDRESS_HEADSET |
|                            | cause            | CONN_FAIL       |
|                            | result           | OK              |
| (3) BTP_CONNECT_DEVICE_CNF | device           | HEADSET         |
|                            | cnf_id           | CNF_ID_1        |
|                            | bd_addr          | ADDRESS_HEADSET |
|                            | cause            | CONN_FAIL       |
|                            | result           | OK              |
| History:                   | 04.10.01         | RM Initial      |

#### 4.2.18 MFWBT117: connection indication from gsm network

**Description:**

**Preamble:** MFWBT100

|     |                        |    |
|-----|------------------------|----|
| APL | ACI                    | PS |
| (1) | BTP_CL_HSG_TEST        |    |
| (2) | BTP_CONNECT_DEVICE_IND |    |
| (3) | BTP_CONNECT_DEVICE_IND |    |

**Parametrization:**

| Primitive                  | Parameter | Value    |
|----------------------------|-----------|----------|
| (1) BTP_CL_HSG_TEST        | func_id   | 18       |
| (2) BTP_CONNECT_DEVICE_IND | device    | HEADSET  |
|                            | bd_addr   | NOT_USED |
|                            | bd_name   | NOT_USED |
|                            | ind_id    | NOT_USED |
|                            | src_id    | GSM      |
| (3) BTP_CONNECT_DEVICE_IND | device    | HEADSET  |
|                            | bd_addr   | NOT_USED |
|                            | bd_name   | NOT_USED |
|                            | ind_id    | NOT_USED |
|                            | src_id    | GSM      |

History: 05.10.01 RM Initial

**4.2.19 MFWBT202: request and confirm of HEADSET server initializing**

**Description:**

**Preamble:** MFWBT100

|     |                      |    |
|-----|----------------------|----|
| APL | ACI                  | PS |
| (1) | BTP_SRV_HSG_TEST     |    |
| (2) | BTP_INIT_PROFILE_CNF |    |
| (3) | BTP_INIT_PROFILE_CNF |    |

**Parametrization:**

| Primitive            | Parameter | Value |
|----------------------|-----------|-------|
| (1) BTP_SRV_HSG_TEST | func_id   | 1     |

|                          |                |                   |
|--------------------------|----------------|-------------------|
| (2) BTP_INIT_PROFILE_CNF | device         | HEADSET           |
|                          | result         | OK                |
|                          | subtype        | SERVER            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          |                |                   |
| (3) BTP_INIT_PROFILE_CNF | device         | HEADSET           |
|                          | result         | OK                |
|                          | subtype        | SERVER            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          |                |                   |
| History:                 | 02.10.01       | RM Initial        |

#### 4.2.20 MFWBT203: request and confirm of HEADSET server reconfiguration

**Description:**

**Preamble:** MFWBT101

|     |     |                          |    |
|-----|-----|--------------------------|----|
| (1) | APL | ACI                      | PS |
|     |     |                          |    |
|     |     | BTP_SRV_HSG_TEST         |    |
|     |     | *<=====*                 |    |
| (2) |     | BTP_RECONFIG_PROFILE_CNF |    |
|     |     | *=====*                  |    |
| (3) |     | BTP_RECONFIG_PROFILE_CNF |    |
|     |     | *<=====*                 |    |
|     |     |                          |    |

**Parametrization:**

| <u>Primitive</u>             | <u>Parameter</u> | <u>Value</u>      |
|------------------------------|------------------|-------------------|
| (1) BTP_SRV_HSG_TEST         | func_id          | 2                 |
|                              |                  |                   |
| (2) BTP_RECONFIG_PROFILE_CNF | device           | HEADSET           |
|                              | result           | OK                |
|                              | subtype          | SERVER            |
|                              | opp_mode         | NO_OPP_MODE       |
|                              | sync_serv_mode   | NO_SYNC_MODE      |
|                              | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                              |                  |                   |
| (3) BTP_RECONFIG_PROFILE_CNF | device           | HEADSET           |
|                              | result           | OK                |
|                              | subtype          | SERVER            |
|                              | opp_mode         | NO_OPP_MODE       |
|                              | sync_serv_mode   | NO_SYNC_MODE      |
|                              | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                              |                  |                   |
| History:                     | 02.10.01         | RM Initial        |

### 4.2.21 MFWBT204: request and confirm of HEADSET server deinitializing

**Description:**

**Preamble:** MFWBT100

|     |                        |    |
|-----|------------------------|----|
| APL | ACI                    | PS |
| (1) | BTP_SRV_HSG_TEST       |    |
| (2) | BTP_DEINIT_PROFILE_CNF |    |
| (3) | BTP_DEINIT_PROFILE_CNF |    |

**Parametrization:**

| Primitive                  | Parameter      | Value             |
|----------------------------|----------------|-------------------|
| (1) BTP_SRV_HSG_TEST       | func_id        | 3                 |
| (2) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
| (3) BTP_DEINIT_PROFILE_CNF | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | NO_OPP_MODE       |
| History:                   | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            | 02.10.01       | RM Initial        |

### 4.2.22 MFWBT205: disable HEADSET client and server mode, stop HEADSET application

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_SRV_HSG_TEST       |    |
|     | *<=====                |    |
| (2) | BTP_DEINIT_PROFILE_CNF |    |
|     | *=====>                |    |
| (3) | BTP_DEINIT_PROFILE_CNF |    |
|     | *<=====                |    |
| (4) | BTP_CL_HSG_TEST        |    |
|     | *<=====                |    |
| (5) | BTP_DEINIT_PROFILE_CNF |    |
|     | *=====>                |    |
| (6) | BTP_DEINIT_PROFILE_CNF |    |
|     | *<=====                |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter      | Value             |
|----------------------------|----------------|-------------------|
| (1) BTP_SRV_HSG_TEST       | func_id        | 4                 |
| (2) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (4) BTP_CL_HSG_TEST        | func_id        | 8                 |
| (5) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (6) BTP_DEINIT_PROFILE_CNF | device         | HEADSET           |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                   | 02.09.01       | RM Initial        |

**4.2.23 MFWBT206: set headset in default HEADSET list**

**Description:**

**Preamble:** MFWBT100

```

    APL                               ACI                               PS
(1) |                               | BTP_SRV_HSG_TEST           |
    |                               | *<=====                *
    |                               |                               |
    
```

**Parametrization:**

| Primitive            | Parameter | Value      |
|----------------------|-----------|------------|
| (1) BTP_SRV_HSG_TEST | func_id   | 5          |
| History:             | 02.09.01  | RM Initial |

**4.2.24 MFWBT207: search HEADSET services on remote bluetooth devices, build a list**

**Description:** browsing procedure for headsets

**Preamble:** MFWBT100

```

    APL                               ACI                               PS
TIMEOUT_WAIT (5000)
(1) |                               | BTP_SRV_HSG_TEST           |
    |                               | *<=====                *
(2) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *=====                *
(3) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *<=====                *
(4) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *=====                *
(5) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *<=====                *
(6) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *=====                *
(7) |                               | BTP_SERVICE_FOUND_IND     |
    |                               | *<=====                *
(8) |                               | BTP_SERVICE_SEARCH_CNF    |
    |                               | *=====                *
(9) |                               | BTP_SERVICE_SEARCH_CNF    |
    |                               | *<=====                *
    |                               |                               |
    
```

**Parametrization:**

| Primitive                 | Parameter | Value           |
|---------------------------|-----------|-----------------|
| (1) BTP_SRV_HSG_TEST      | func_id   | 6               |
| (2) BTP_SERVICE_FOUND_IND | device    | HEADSET         |
|                           | bd_name   | NOT_USED        |
|                           | cod       | NOT_USED        |
|                           | bd_addr   | ADDRESS_HEADSET |
|                           | serv_name | NAME_HEADSET1   |

|                            |  |  |
|----------------------------|--|--|
| (3) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET<br>NAME_HEADSET1  |
| (4) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET1<br>NAME_HEADSET2 |
| (5) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET1<br>NAME_HEADSET2 |
| (6) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET2<br>NAME_HEADSET3 |
| (7) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET2<br>NAME_HEADSET3 |
| (8) BTP_SERVICE_SEARCH_CNF | device   | HEADSET  |
| (9) BTP_SERVICE_SEARCH_CNF | device   | HEADSET  |
| History:                   | 09.01.02   | RM Initial   |

#### 4.2.25 MFWBT208: remove HEADSET from the default HEADSET list

**Description:**

**Preamble:** MFWBT100

|     |     |                  |    |
|-----|-----|------------------|----|
| (1) | APL | ACI              | PS |
|     |     | BTP_SRV_HSG_TEST |    |
|     |     | *<=====*         |    |
|     |     |                  |    |

**Parametrization:**

| <u>Primitive</u>     | <u>Parameter</u> | <u>Value</u> |
|----------------------|------------------|--------------|
| (1) BTP_SRV_HSG_TEST | func_id          | 7            |
| History:             | 04.09.01         | RM Initial   |

#### 4.2.26 MFWBT209: get info about a HEADSET of the default HEADSET list

**Description:**

**Preamble:** MFWBT100

|     |     |                  |    |
|-----|-----|------------------|----|
|     | APL | ACI              | PS |
| (1) |     | BTP_SRV_HSG_TEST |    |
|     |     | *<=====*         |    |
|     |     |                  |    |

**Parametrization:**

| <u>Primitive</u>     | <u>Parameter</u> | <u>Value</u> |
|----------------------|------------------|--------------|
| (1) BTP_SRV_HSG_TEST | func_id          | 8            |
| History:             | 04.09.01         | RM Initial   |

#### 4.2.27 MFWBT210: change info of a HEADSET in the default HEADSET list

**Description:**

**Preamble:** MFWBT100

|     |     |                  |    |
|-----|-----|------------------|----|
|     | APL | ACI              | PS |
| (1) |     | BTP_SRV_HSG_TEST |    |
|     |     | *<=====*         |    |
|     |     |                  |    |

**Parametrization:**

| <u>Primitive</u>     | <u>Parameter</u> | <u>Value</u> |
|----------------------|------------------|--------------|
| (1) BTP_SRV_HSG_TEST | func_id          | 9            |
| History:             | 04.09.01         | RM Initial   |

#### 4.2.28 MFWBT211: connection request for profile HEADSET

**Description:**

**Preamble:** MFWBT100

|     |     |                        |    |
|-----|-----|------------------------|----|
|     | APL | ACI                    | PS |
| (1) |     | BTP_SRV_HSG_TEST       |    |
|     |     | *<=====*               |    |
| (2) |     | BTP_CONNECT_DEVICE_CNF |    |
|     |     | *=====*                |    |
| (3) |     | BTP_CONNECT_DEVICE_CNF |    |
|     |     | *<=====*               |    |
|     |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>    |
|----------------------------|------------------|-----------------|
| (1) BTP_SRV_HSG_TEST       | func_id          | 10              |
| (2) BTP_CONNECT_DEVICE_CNF | device           | HEADSET         |
|                            | cnf_id           | CNF_ID_1        |
|                            | bd_addr          | ADDRESS_HEADSET |

```

cause                                     OK
result                                    OK

(3) BTP_CONNECT_DEVICE_CNF

device                                     HEADSET
cnf_id                                    CNF_ID_1
bd_addr                                   ADDRESS_HEADSET
cause                                     OK
result                                    OK

History:                                  04.09.01                RM Initial
    
```

#### 4.2.29 MFWBT212: disconnection request for profile HEADSET

**Description:**

**Preamble:** MFWBT100

```

APL          ACI          PS
(1) |         | BTP_SRV_HSG_TEST |
    |         | *<===== *
(2) |         | BTP_DISCONNECT_DEVICE_CNF |
    |         | *===== >*
(3) |         | BTP_DISCONNECT_DEVICE_CNF |
    |         | *<===== *
    |         |
    
```

**Parametrization:**

| Primitive                     | Parameter | Value            |
|-------------------------------|-----------|------------------|
| (1) BTP_SRV_HSG_TEST          | func_id   | 11               |
| (2) BTP_DISCONNECT_DEVICE_CNF | device    | HEADSET          |
|                               | cnf_id    | CNF_ID_1         |
|                               | bd_addr   | ADDRESS_HEADSET1 |
| (3) BTP_DISCONNECT_DEVICE_CNF | device    | HEADSET          |
|                               | cnf_id    | CNF_ID_1         |
|                               | bd_addr   | ADDRESS_HEADSET1 |
| History:                      | 04.09.01  | RM Initial       |

#### 4.2.30 MFWBT213: set HEADSET parameter speaker gain

**Description:**

**Preamble:** MFWBT100

```

APL          ACI          PS
(1) |         | BTP_SRV_HSG_TEST |
    |         | *<===== *
    |         |
    
```

**Parametrization:**

| Primitive            | Parameter | Value      |
|----------------------|-----------|------------|
| (1) BTP_SRV_HSG_TEST | func_id   | 12         |
| History:             | 04.09.01  | RM Initial |

### 4.2.31 MFWBT214: search HEADSET services of remote bluetooth devices and delete list of found services

**Description:** browsing procedure for hsg) and mfw function for delete list of found hsg

**Preamble:** MFWBT100

|                     |                        |    |
|---------------------|------------------------|----|
| APL                 | ACI                    | PS |
|                     |                        |    |
| TIMEOUT_WAIT (5000) |                        |    |
| (1)                 | BTP_SRV_HSG_TEST       |    |
|                     | *<=====*               |    |
| (2)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (3)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (4)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (5)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (6)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (7)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (8)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *=====>*               |    |
| (9)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *<=====*               |    |
| (10)                | BTP_SRV_HSG_TEST       |    |
|                     | *<=====*               |    |
|                     |                        |    |

**Parametrization:**

| Primitive                 | Parameter | Value            |
|---------------------------|-----------|------------------|
| (1) BTP_SRV_HSG_TEST      | func_id   | 6                |
|                           |           |                  |
| (2) BTP_SERVICE_FOUND_IND | device    | HEADSET          |
|                           | bd_name   | NOT_USED         |
|                           | cod       | NOT_USED         |
|                           | bd_addr   | ADDRESS_HEADSET  |
|                           | serv_name | NAME_HEADSET1    |
| (3) BTP_SERVICE_FOUND_IND | device    | HEADSET          |
|                           | bd_name   | NOT_USED         |
|                           | cod       | NOT_USED         |
|                           | bd_addr   | ADDRESS_HEADSET  |
|                           | serv_name | NAME_HEADSET1    |
| (4) BTP_SERVICE_FOUND_IND | device    | HEADSET          |
|                           | bd_name   | NOT_USED         |
|                           | cod       | NOT_USED         |
|                           | bd_addr   | ADDRESS_HEADSET1 |
|                           | serv_name | NAME_HEADSET2    |

|                            |  |  |
|----------------------------|--|--|
| (5) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET1<br>NAME_HEADSET2 |
| (6) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET2<br>NAME_HEADSET3 |
| (7) BTP_SERVICE_FOUND_IND  | device<br>bd_name<br>cod<br>bd_addr<br>serv_name | HEADSET<br>NOT_USED<br>NOT_USED<br>ADDRESS_HEADSET2<br>NAME_HEADSET3 |
| (8) BTP_SERVICE_SEARCH_CNF | device   | HEADSET  |
| (9) BTP_SERVICE_SEARCH_CNF | device   | HEADSET  |
| (10)                       | BTP_SRV_HSG_TEST<br>func_id                      | 13   |
| History:                   | 09.01.02   | RM Initial   |

#### 4.2.32 MFWB215: connection information of service HEADSET

**Description:**

**Preamble:** MFWB2100

|     |     |                        |    |
|-----|-----|------------------------|----|
|     | APL | ACI                    | PS |
| (1) |     | BTP_SRV_HSG_TEST       |    |
|     |     | *<=====*               |    |
| (2) |     | BTP_CONNECT_DEVICE_INF |    |
|     |     | *=====*                |    |
| (3) |     | BTP_CONNECT_DEVICE_INF |    |
|     |     | *<=====*               |    |
|     |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u>            | <u>Value</u>                             |
|----------------------------|-----------------------------|--|
| (1) BTP_SRV_HSG_TEST       | func_id                     | 14                                       |
| (2) BTP_CONNECT_DEVICE_INF | device<br>bd_addr<br>ind_id | HEADSET<br>ADDRESS_HEADSET<br>INVALID_ID |
| (3) BTP_CONNECT_DEVICE_INF | device<br>bd_addr<br>ind_id | HEADSET<br>ADDRESS_HEADSET<br>INVALID_ID |

History: 05.09.01 RM Initial

### 4.2.33 MFWBT216: check whether HEADSET on the default list is

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
(1) |           |           |
    |           | BTP_SRV_HSG_TEST |
    |           | *<===== *
    |           |           |
    
```

**Parametrization:**

| Primitive            | Parameter | Value |
|----------------------|-----------|-------|
| (1) BTP_SRV_HSG_TEST | func_id   | 15    |

History: 05.09.01 RM Initial

### 4.2.34 MFWBT301: start application and enable bluetooth profile dial up network (DUN)

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
(1) |           |           |
    |           | BTP_DUN_TEST |
    |           | *<===== *
(2) |           | BTP_INIT_PROFILE_CNF |
    |           | *===== > *
(3) |           | BTP_INIT_PROFILE_CNF |
    |           | *<===== *
    |           |           |
    
```

**Parametrization:**

| Primitive                | Parameter         | Value             |
|--------------------------|-------------------|-------------------|
| (1) BTP_DUN_TEST         | func_id           | 2                 |
| (2) BTP_INIT_PROFILE_CNF | device            | DIALUP            |
|                          | result            | OK                |
|                          | subtype           | NO_SUBTYPE        |
|                          | opp_mode          | NO_OPP_MODE       |
|                          | sync_serv_mode    | NO_SYNC_MODE      |
| (3) BTP_INIT_PROFILE_CNF | sync_init_auth    | NO_SYNC_AUTH_MODE |
|                          | device            | DIALUP            |
|                          | result            | OK                |
|                          | subtype           | NO_SUBTYPE        |
|                          | opp_mode          | NO_OPP_MODE       |
| sync_serv_mode           | NO_SYNC_MODE      |                   |
| sync_init_auth           | NO_SYNC_AUTH_MODE |                   |

History: 17.10.01 RM Initial

### 4.2.35 MFWBT302: request and confirm of DUN initializing

**Description:**

**Preamble:** MFWBT100

|     |                      |    |
|-----|----------------------|----|
| APL | ACI                  | PS |
| (1) | BTP_DUN_TEST         |    |
|     | *<=====              |    |
| (2) | BTP_INIT_PROFILE_CNF |    |
|     | *=====> *            |    |
| (3) | BTP_INIT_PROFILE_CNF |    |
|     | *<=====              |    |
|     |                      |    |

**Parametrization:**

| Primitive                | Parameter      | Value             |
|--------------------------|----------------|-------------------|
| (1) BTP_DUN_TEST         | func_id        | 1                 |
| (2) BTP_INIT_PROFILE_CNF | device         | DIALUP            |
|                          | result         | OK                |
|                          | subtype        | NO_SUBTYPE        |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
| (3) BTP_INIT_PROFILE_CNF | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          | device         | DIALUP            |
|                          | result         | OK                |
|                          | subtype        | NO_SUBTYPE        |
|                          | opp_mode       | NO_OPP_MODE       |
| History:                 | 05.10.01       | RM Initial        |

### 4.2.36 MFWBT303: request and confirm the DUN reconfiguration

**Description:**

**Preamble:** MFWBT301

```

    APL                               ACI                               PS
    |                                 |                                 |
(1) |                                 |           BTP_DUN_TEST           |
    |                                 | *<===== *                    |
(2) |                                 |   BTP_RECONFIG_PROFILE_CNF   |
    |                                 | *===== > *                  |
(3) |                                 |   BTP_RECONFIG_PROFILE_CNF   |
    |                                 | *<===== *                    |
    |                                 |                                 |
    
```

**Parametrization:**

| Primitive                    | Parameter      | Value             |
|------------------------------|----------------|-------------------|
| (1) BTP_DUN_TEST             | func_id        | 3                 |
| (2) BTP_RECONFIG_PROFILE_CNF | device         | DIALUP            |
|                              | result         | OK                |
|                              | subtype        | NO_SUBTYPE        |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
|                              | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_RECONFIG_PROFILE_CNF | device         | DIALUP            |
|                              | result         | OK                |
|                              | subtype        | NO_SUBTYPE        |
|                              | opp_mode       | NO_OPP_MODE       |
|                              | sync_serv_mode | NO_SYNC_MODE      |
|                              | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                     | 05.10.01       | RM Initial        |

**4.2.37 MFWBT304: request and confirm the DUN deinitializing**

**Description:**

**Preamble:** MFWBT100

```

    APL                               ACI                               PS
    |                                 |                                 |
(1) |                                 |           BTP_DUN_TEST           |
    |                                 | *<===== *                    |
(2) |                                 |   BTP_DEINIT_PROFILE_CNF   |
    |                                 | *===== > *                  |
(3) |                                 |   BTP_DEINIT_PROFILE_CNF   |
    |                                 | *<===== *                    |
    |                                 |                                 |
    
```

**Parametrization:**

| Primitive        | Parameter | Value |
|------------------|-----------|-------|
| (1) BTP_DUN_TEST | func_id   | 4     |

|                            |                |                   |
|----------------------------|----------------|-------------------|
| (2) BTP_DEINIT_PROFILE_CNF | device         | DIALUP            |
|                            | result         | OK                |
|                            | subtype        | NO_SUBTYPE        |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| (3) BTP_DEINIT_PROFILE_CNF | device         | DIALUP            |
|                            | result         | OK                |
|                            | subtype        | NO_SUBTYPE        |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| History:                   | 05.10.01       | RM Initial        |

### 4.2.38 MFWBT305: deinitialize the DUN profile and stop DUN application

**Description:**

**Preamble:** MFWBT100

|     |     |                        |    |
|-----|-----|------------------------|----|
| (1) | APL | ACI                    | PS |
|     |     |                        |    |
|     |     | BTP_DUN_TEST           |    |
|     |     | *<===== *              |    |
| (2) |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     | *===== *               |    |
| (3) |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     | *<===== *              |    |
|     |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>      |
|----------------------------|------------------|-------------------|
| (1) BTP_DUN_TEST           | func_id          | 5                 |
|                            |                  |                   |
| (2) BTP_DEINIT_PROFILE_CNF | device           | DIALUP            |
|                            | result           | OK                |
|                            | subtype          | NO_SUBTYPE        |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                            |                  |                   |
| (3) BTP_DEINIT_PROFILE_CNF | device           | DIALUP            |
|                            | result           | OK                |
|                            | subtype          | NO_SUBTYPE        |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                            |                  |                   |
| History:                   | 05.10.01         | RM Initial        |

### 4.2.39 MFWBT306: search DUN services on remote bluetooth devices, build a list

**Description:** browsing procedure for dun

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
TIMEOUT_WAIT (5000)
(1) |                                     | BTP_DUN_TEST |
        |                                 | *<===== *
(2) |                                     | BTP_SERVICE_FOUND_IND |
        |                                 | *=====> *
(3) |                                     | BTP_SERVICE_FOUND_IND |
        |                                 | *<===== *
(4) |                                     | BTP_SERVICE_SEARCH_CNF |
        |                                 | *=====> *
(5) |                                     | BTP_SERVICE_SEARCH_CNF |
        |                                 | *<===== *
        |                                 |
    
```

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>    |
|----------------------------|------------------|-----------------|
| (1) BTP_DUN_TEST           | func_id          | 6               |
| (2) BTP_SERVICE_FOUND_IND  | device           | DIALUP          |
|                            | bd_name          | NOT_USED        |
|                            | cod              | NOT_USED        |
|                            | bd_addr          | ADDRESS_DIALUP1 |
|                            | serv_name        | NAME_DIALUP1    |
| (3) BTP_SERVICE_FOUND_IND  | device           | DIALUP          |
|                            | bd_name          | NOT_USED        |
|                            | cod              | NOT_USED        |
|                            | bd_addr          | ADDRESS_DIALUP1 |
|                            | serv_name        | NAME_DIALUP1    |
| (4) BTP_SERVICE_SEARCH_CNF | device           | DIALUP          |
| (5) BTP_SERVICE_SEARCH_CNF | device           | DIALUP          |
| History:                   | 09.01.02         | RM Initial      |

### 4.2.40 MFWBT307: search DUN services on remote bluetooth devices, build a list and delete list of found services

**Description:** browsing procedure for dun and mfw function for delete list of found dun

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
TIMEOUT_WAIT (5000)
(1) |                                     | BTP_DUN_TEST |
    |                                     | *<===== |
(2) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *=====> |
(3) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *<===== |
(4) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *=====> |
(5) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *<===== |
(6) |                                     | BTP_DUN_TEST |
    |                                     | *<===== |
    |                                     |
    
```

**Parametrization:**

| Primitive                  | Parameter | Value           |
|----------------------------|-----------|-----------------|
| (1) BTP_DUN_TEST           | func_id   | 6               |
| (2) BTP_SERVICE_FOUND_IND  | device    | DIALUP          |
|                            | bd_name   | NOT_USED        |
|                            | cod       | NOT_USED        |
|                            | bd_addr   | ADDRESS_DIALUP1 |
|                            | serv_name | NAME_DIALUP1    |
| (3) BTP_SERVICE_FOUND_IND  | device    | DIALUP          |
|                            | bd_name   | NOT_USED        |
|                            | cod       | NOT_USED        |
|                            | bd_addr   | ADDRESS_DIALUP1 |
|                            | serv_name | NAME_DIALUP1    |
| (4) BTP_SERVICE_SEARCH_CNF | device    | DIALUP          |
| (5) BTP_SERVICE_SEARCH_CNF | device    | DIALUP          |
| (6) BTP_DUN_TEST           | func_id   | 7               |
| History:                   | 09.01.02  | RM Initial      |

**4.2.41 MFWBT308: disconnection request for profile DUN**

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_DUN_TEST           |    |
|     | *<=====*               |    |
| (2) | BTP_DISCON_DUN_FAX_CNF |    |
|     | *=====*>*              |    |
| (3) | BTP_DISCON_DUN_FAX_CNF |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter | Value      |
|----------------------------|-----------|------------|
| (1) BTP_DUN_TEST           | func_id   | 8          |
| (2) BTP_DISCON_DUN_FAX_CNF | device    | DIALUP     |
|                            | cause     | OK         |
| (3) BTP_DISCON_DUN_FAX_CNF | device    | DIALUP     |
|                            | cause     | OK         |
| History:                   | 05.10.01  | RM Initial |

**4.2.42 MFWBT309: disconnection indication for profile DUN**

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_DUN_TEST           |    |
|     | *<=====*               |    |
| (2) | BTP_DISCON_DUN_FAX_IND |    |
|     | *=====*>*              |    |
| (3) | BTP_DISCON_DUN_FAX_IND |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter | Value      |
|----------------------------|-----------|------------|
| (1) BTP_DUN_TEST           | func_id   | 9          |
| (2) BTP_DISCON_DUN_FAX_IND | device    | DIALUP     |
| (3) BTP_DISCON_DUN_FAX_IND | device    | DIALUP     |
| History:                   | 08.10.01  | RM Initial |

**4.2.43 MFWBT310: connection indication for profile DUN**

**Description:**

**Preamble:** MFWBT100

|     |              |         |                        |        |
|-----|--------------|---------|------------------------|--------|
| (1) | APL<br> <br> | ACI<br> | BTP_DUN_TEST           | PS<br> |
|     |              |         | *<=====*               |        |
| (2) | <br>         |         | BTP_CONNECT_DEVICE_IND |        |
|     |              |         | *=====*                |        |
| (3) | <br>         |         | BTP_CONNECT_DEVICE_IND |        |
|     |              |         | *<=====*               |        |
|     |              |         |                        |        |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u> |
|----------------------------|------------------|--------------|
| (1) BTP_DUN_TEST           | func_id          | 10           |
| (2) BTP_CONNECT_DEVICE_IND | device           | DIALUP       |
|                            | bd_addr          | NOT_USED     |
|                            | bd_name          | NOT_USED     |
|                            | ind_id           | NOT_USED     |
|                            | src_id           | NO_HSG       |
| (3) BTP_CONNECT_DEVICE_IND | device           | DIALUP       |
|                            | bd_addr          | NOT_USED     |
|                            | bd_name          | NOT_USED     |
|                            | ind_id           | NOT_USED     |
|                            | src_id           | NO_HSG       |
| History:                   | 08.10.01         | RM Initial   |

**4.2.44 MFWBT311: call monitoring DUN**

**Description:**

**Preamble:** MFWBT100

| APL  | ACI                        | PS |
|------|----------------------------|----|
| (1)  | BTP_DUN_TEST               |    |
|      | *<=====                    |    |
| (2)  | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (3)  | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
| (4)  | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (5)  | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
| (6)  | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (7)  | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
| (8)  | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (9)  | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
| (10) | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (11) | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
| (12) | BTP_CALL_MONITORING_STATUS |    |
|      | *=====>                    |    |
| (13) | BTP_CALL_MONITORING_STATUS |    |
|      | *<=====                    |    |
|      |                            |    |

**Parametrization:**

| Primitive                      | Parameter             | Value                  |
|--------------------------------|-----------------------|------------------------|
| (1) BTP_DUN_TEST               | func_id               | 11                     |
| (2) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_IN_PRO  |
| (3) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_IN_PRO  |
| (4) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_ESTABL  |
| (5) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_ESTABL  |
| (6) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_PAUSED  |
| (7) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_PAUSED  |
| (8) BTP_CALL_MONITORING_STATUS | device<br>call_status | DIALUP<br>CALL_RESUMED |

|          |                            |             |               |
|----------|----------------------------|-------------|---------------|
| (9)      | BTP_CALL_MONITORING_STATUS | device      | DIALUP        |
|          |                            | call_status | CALL_RESUMED  |
| (10)     | BTP_CALL_MONITORING_STATUS | device      | DIALUP        |
|          |                            | call_status | CALL_HANG_UP  |
| (11)     | BTP_CALL_MONITORING_STATUS | device      | DIALUP        |
|          |                            | call_status | CALL_HANG_UP  |
| (12)     | BTP_CALL_MONITORING_STATUS | device      | DIALUP        |
|          |                            | call_status | CALL_RELEASES |
| (13)     | BTP_CALL_MONITORING_STATUS | device      | DIALUP        |
|          |                            | call_status | CALL_RELEASES |
| History: | 08.10.01                   |             | RM Initial    |

#### 4.2.45 MFWBT401: start application and enable bluetooth profile FAX

**Description:**

**Preamble:** MFWBT100

|     |     |                      |    |
|-----|-----|----------------------|----|
|     | APL | ACI                  | PS |
| (1) |     |                      |    |
|     |     | BTP_FAX_TEST         |    |
|     |     | *<===== *            |    |
| (2) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *===== > *           |    |
| (3) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *<===== *            |    |
|     |     |                      |    |

**Parametrization:**

| <u>Primitive</u>         | <u>Parameter</u> | <u>Value</u>      |
|--------------------------|------------------|-------------------|
| (1) BTP_FAX_TEST         | func_id          | 2                 |
| (2) BTP_INIT_PROFILE_CNF | device           | FAX               |
|                          | result           | OK                |
|                          | subtype          | NO_SUBTYPE        |
|                          | opp_mode         | NO_OPP_MODE       |
|                          | sync_serv_mode   | NO_SYNC_MODE      |
|                          | sync_init_auth   | NO_SYNC_AUTH_MODE |
| (3) BTP_INIT_PROFILE_CNF | device           | FAX               |
|                          | result           | OK                |
|                          | subtype          | NO_SUBTYPE        |
|                          | opp_mode         | NO_OPP_MODE       |
|                          | sync_serv_mode   | NO_SYNC_MODE      |
|                          | sync_init_auth   | NO_SYNC_AUTH_MODE |

History: 17.10.01 RM Initial

#### 4.2.46 MFWBT402: request and confirm the of FAX profile initializing

**Description:**

**Preamble:** MFWBT100

|     |                      |    |
|-----|----------------------|----|
| APL | ACI                  | PS |
| (1) | BTP_FAX_TEST         |    |
| (2) | BTP_INIT_PROFILE_CNF |    |
| (3) | BTP_INIT_PROFILE_CNF |    |

**Parametrization:**

| Primitive                | Parameter      | Value             |
|--------------------------|----------------|-------------------|
| (1) BTP_FAX_TEST         | func_id        | 2                 |
| (2) BTP_INIT_PROFILE_CNF | device         | FAX               |
|                          | result         | OK                |
|                          | subtype        | NO_SUBTYPE        |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
| (3) BTP_INIT_PROFILE_CNF | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          | device         | FAX               |
|                          | result         | OK                |
|                          | subtype        | NO_SUBTYPE        |
|                          | opp_mode       | NO_OPP_MODE       |
| History:                 | 08.10.01       | RM Initial        |

#### 4.2.47 MFWBT403: request and confirm the profile FAX reconfiguration

**Description:**

**Preamble:** MFWBT401



|                            |                |                   |
|----------------------------|----------------|-------------------|
| (2) BTP_DEINIT_PROFILE_CNF | device         | FAX               |
|                            | result         | OK                |
|                            | subtype        | NO_SUBTYPE        |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| (3) BTP_DEINIT_PROFILE_CNF | device         | FAX               |
|                            | result         | OK                |
|                            | subtype        | NO_SUBTYPE        |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| History:                   | 08.10.01       | RM Initial        |

#### 4.2.49 MFWBT405: request and confirm of FAX profile deinitializing

**Description:**

**Preamble:** MFWBT100

|     |                        |    |
|-----|------------------------|----|
| APL | ACI                    | PS |
| (1) | BTP_FAX_TEST           |    |
| (2) | *<=====*               |    |
| (3) | BTP_DEINIT_PROFILE_CNF |    |
|     | *=====*                |    |
|     | BTP_DEINIT_PROFILE_CNF |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>      |
|----------------------------|------------------|-------------------|
| (1) BTP_FAX_TEST           | func_id          | 5                 |
|                            |                  |                   |
| (2) BTP_DEINIT_PROFILE_CNF | device           | FAX               |
|                            | result           | OK                |
|                            | subtype          | NO_SUBTYPE        |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                            |                  |                   |
| (3) BTP_DEINIT_PROFILE_CNF | device           | FAX               |
|                            | result           | OK                |
|                            | subtype          | NO_SUBTYPE        |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                            |                  |                   |
| History:                   | 08.10.01         | RM Initial        |

### 4.2.50 MFWBT406: search FAX services on remote bluetooth devices, build a list

**Description:** browsing procedure for fax

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
TIMEOUT_WAIT (5000)
(1) |                                     | BTP_FAX_TEST |
    |                                     | *<===== *
(2) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *=====> *
(3) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *<===== *
(4) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *=====> *
(5) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *<===== *
    |                                     |
    
```

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u> |
|----------------------------|------------------|--------------|
| (1) BTP_FAX_TEST           | func_id          | 6            |
| (2) BTP_SERVICE_FOUND_IND  | device           | FAX          |
|                            | bd_name          | NOT_USED     |
|                            | cod              | NOT_USED     |
|                            | bd_addr          | ADDRESS_FAX  |
|                            | serv_name        | NAME_FAX     |
| (3) BTP_SERVICE_FOUND_IND  | device           | FAX          |
|                            | bd_name          | NOT_USED     |
|                            | cod              | NOT_USED     |
|                            | bd_addr          | ADDRESS_FAX  |
|                            | serv_name        | NAME_FAX     |
| (4) BTP_SERVICE_SEARCH_CNF | device           | FAX          |
| (5) BTP_SERVICE_SEARCH_CNF | device           | FAX          |
| History:                   | 08.10.01         | RM Initial   |

### 4.2.51 MFWBT407: search FAX services on remote bluetooth devices, build a list and delete list of found FAX

**Description:**

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
TIMEOUT_WAIT (5000)
(1) |                                     | BTP_FAX_TEST |
    |                                     | *<===== |
(2) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *=====> |
(3) |                                     | BTP_SERVICE_FOUND_IND |
    |                                     | *<===== |
(4) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *=====> |
(5) |                                     | BTP_SERVICE_SEARCH_CNF |
    |                                     | *<===== |
(6) |                                     | BTP_FAX_TEST |
    |                                     | *<===== |
    |                                     |
    
```

**Parametrization:**

| Primitive                  | Parameter | Value       |
|----------------------------|-----------|-------------|
| (1) BTP_FAX_TEST           | func_id   | 6           |
| (2) BTP_SERVICE_FOUND_IND  | device    | FAX         |
|                            | bd_name   | NOT_USED    |
|                            | cod       | NOT_USED    |
|                            | bd_addr   | ADDRESS_FAX |
|                            | serv_name | NAME_FAX    |
| (3) BTP_SERVICE_FOUND_IND  | device    | FAX         |
|                            | bd_name   | NOT_USED    |
|                            | cod       | NOT_USED    |
|                            | bd_addr   | ADDRESS_FAX |
|                            | serv_name | NAME_FAX    |
| (4) BTP_SERVICE_SEARCH_CNF | device    | FAX         |
| (5) BTP_SERVICE_SEARCH_CNF | device    | FAX         |
| (6) BTP_FAX_TEST           | func_id   | 7           |
| History:                   | 08.10.01  | RM Initial  |

**4.2.52 MFWBT408: disconnection request for profile FAX**

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_FAX_TEST           |    |
|     | *<=====*               |    |
| (2) | BTP_DISCON_DUN_FAX_CNF |    |
|     | *=====*>*              |    |
| (3) | BTP_DISCON_DUN_FAX_CNF |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter       | Value      |
|----------------------------|-----------------|------------|
| (1) BTP_FAX_TEST           | func_id         | 8          |
| (2) BTP_DISCON_DUN_FAX_CNF | device<br>cause | FAX<br>OK  |
| (3) BTP_DISCON_DUN_FAX_CNF | device<br>cause | FAX<br>OK  |
| History:                   | 08.10.01        | RM Initial |

**4.2.53 MFWBT409: connection indication for profile FAX**

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_FAX_TEST           |    |
|     | *<=====*               |    |
| (2) | BTP_CONNECT_DEVICE_IND |    |
|     | *=====*>*              |    |
| (3) | BTP_CONNECT_DEVICE_IND |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter  | Value   |
|----------------------------|--|---|
| (1) BTP_FAX_TEST           | func_id  | 9   |
| (2) BTP_CONNECT_DEVICE_IND | device<br>bd_addr<br>bd_name<br>ind_id<br>src_id | FAX<br>NOT_USED<br>NOT_USED<br>NOT_USED<br>NO_HSG |
| (3) BTP_CONNECT_DEVICE_IND | device<br>bd_addr<br>bd_name<br>ind_id<br>src_id | FAX<br>NOT_USED<br>NOT_USED<br>NOT_USED<br>NO_HSG |
| History:                   | 08.10.01   | RM Initial  |

### 4.2.54 MFWBT410: disconnection indication for profile FAX

**Description:**

**Preamble:** MFWBT100

| APL | ACI                    | PS |
|-----|------------------------|----|
| (1) | BTP_FAX_TEST           |    |
|     | *<=====*               |    |
| (2) | BTP_DISCON_DUN_FAX_IND |    |
|     | *=====>*               |    |
| (3) | BTP_DISCON_DUN_FAX_IND |    |
|     | *<=====*               |    |
|     |                        |    |

**Parametrization:**

| Primitive                  | Parameter | Value      |
|----------------------------|-----------|------------|
| (1) BTP_FAX_TEST           | func_id   | 10         |
| (2) BTP_DISCON_DUN_FAX_IND | device    | FAX        |
| (3) BTP_DISCON_DUN_FAX_IND | device    | FAX        |
| History:                   | 08.10.01  | RM Initial |

### 4.2.55 MFWBT411: call monitoring FAX

**Description:**

**Preamble:** MFWBT100

| APL | ACI                        | PS |
|-----|----------------------------|----|
| (1) | BTP_FAX_TEST               |    |
|     | *<=====*                   |    |
| (2) | BTP_CALL_MONITORING_STATUS |    |
|     | *=====>*                   |    |
| (3) | BTP_CALL_MONITORING_STATUS |    |
|     | *<=====*                   |    |
| (4) | BTP_CALL_MONITORING_STATUS |    |
|     | *=====>*                   |    |
| (5) | BTP_CALL_MONITORING_STATUS |    |
|     | *<=====*                   |    |
| (6) | BTP_CALL_MONITORING_STATUS |    |
|     | *=====>*                   |    |
| (7) | BTP_CALL_MONITORING_STATUS |    |
|     | *<=====*                   |    |
| (8) | BTP_CALL_MONITORING_STATUS |    |
|     | *=====>*                   |    |
| (9) | BTP_CALL_MONITORING_STATUS |    |
|     | *<=====*                   |    |
|     |                            |    |

**Parametrization:**

| Primitive        | Parameter | Value |
|------------------|-----------|-------|
| (1) BTP_FAX_TEST | func_id   | 11    |

|                                |                       |                         |
|--------------------------------|-----------------------|-------------------------|
| (2) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_IN_PRO_FAX  |
| (3) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_IN_PRO_FAX  |
| (4) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_ESTABL_FAX  |
| (5) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_ESTABL_FAX  |
| (6) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_HANG_UP_FAX |
| (7) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_HANG_UP_FAX |
| (8) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_RELEAS_FAX  |
| (9) BTP_CALL_MONITORING_STATUS | device<br>call_status | FAX<br>CALL_RELEAS_FAX  |
| History:                       | 08.10.01              | RM Initial              |

#### 4.2.56 MFWBT500: start application of bluetooth profile OPP, enable OPP in client and server mode

**Description:**

**Preamble:** MFWBT100

|     |     |                      |    |
|-----|-----|----------------------|----|
|     | APL | ACI                  | PS |
| (1) |     |                      |    |
|     |     | BTP_SRV_OPP_TEST     |    |
|     |     | *<===== *            |    |
| (2) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *===== > *           |    |
| (3) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *===== > *           |    |
| (4) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *<===== *            |    |
| (5) |     | BTP_INIT_PROFILE_CNF |    |
|     |     | *<===== *            |    |
|     |     |                      |    |

**Parametrization:**

| <u>Primitive</u>         | <u>Parameter</u> | <u>Value</u> |
|--------------------------|------------------|--------------|
| (1) BTP_SRV_OPP_TEST     | func_id          | 1            |
| (2) BTP_INIT_PROFILE_CNF | device           | OPP          |
|                          | result           | OK           |
|                          | subtype          | SERVER       |

|                          |                |                   |
|--------------------------|----------------|-------------------|
|                          | opp_mode       | OPP_BUFFER_MODE   |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_INIT_PROFILE_CNF |                |                   |
|                          | device         | OPP               |
|                          | result         | OK                |
|                          | subtype        | CLIENT            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
| (4) BTP_INIT_PROFILE_CNF |                |                   |
|                          | device         | OPP               |
|                          | result         | OK                |
|                          | subtype        | SERVER            |
|                          | opp_mode       | OPP_BUFFER_MODE   |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
| (5) BTP_INIT_PROFILE_CNF |                |                   |
|                          | device         | OPP               |
|                          | result         | OK                |
|                          | subtype        | CLIENT            |
|                          | opp_mode       | NO_OPP_MODE       |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |

History: 17.10.01 RM Initial

#### 4.2.57 MFWBT501: request and confirm of profile OPP client initializing

**Description:**

**Preamble:** MFWBT100

|     |                      |    |
|-----|----------------------|----|
| APL | ACI                  | PS |
| (1) | BTP_CL_OPP_TEST      |    |
|     | *<=====*             |    |
| (2) | BTP_INIT_PROFILE_CNF |    |
|     | *=====*>*            |    |
| (3) | BTP_INIT_PROFILE_CNF |    |
|     | *<=====*             |    |
|     |                      |    |

**Parametrization:**

| <u>Primitive</u>         | <u>Parameter</u> | <u>Value</u>      |
|--------------------------|------------------|-------------------|
| (1) BTP_CL_OPP_TEST      | func_id          | 1                 |
| (2) BTP_INIT_PROFILE_CNF | device           | OPP               |
|                          | result           | OK                |
|                          | subtype          | CLIENT            |
|                          | opp_mode         | NO_OPP_MODE       |
|                          | sync_serv_mode   | NO_SYNC_MODE      |
|                          | sync_init_auth   | NO_SYNC_AUTH_MODE |

```

(3) BTP_INIT_PROFILE_CNF
                                device      OPP
                                result      OK
                                subtype     CLIENT
                                opp_mode    NO_OPP_MODE
                                sync_serv_mode NO_SYNC_MODE
                                sync_init_auth NO_SYNC_AUTH_MODE

History:                        09.10.01      RM Initial
    
```

#### 4.2.58 MFWBT502: request and confirm of profile OPP server initializing

**Description:**

**Preamble:** MFWBT100

```

      APL                               ACI                               PS
      |                                 |                                 |
(1)  |                                 |      BTP_SRV_OPP_TEST          |
      |                                 | *<=====*>                    |
(2)  |                                 |      BTP_INIT_PROFILE_CNF       |
      |                                 | *=====*>                    |
(3)  |                                 |      BTP_INIT_PROFILE_CNF       |
      |                                 | *<=====*>                    |
      |                                 |                                 |
    
```

**Parametrization:**

| Primitive                | Parameter      | Value             |
|--------------------------|----------------|-------------------|
| (1) BTP_SRV_OPP_TEST     | func_id        | 2                 |
|                          | device         | OPP               |
| (2) BTP_INIT_PROFILE_CNF | result         | OK                |
|                          | subtype        | SERVER            |
|                          | opp_mode       | OPP_BUFFER_MODE   |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          | device         | OPP               |
| (3) BTP_INIT_PROFILE_CNF | result         | OK                |
|                          | subtype        | SERVER            |
|                          | opp_mode       | OPP_BUFFER_MODE   |
|                          | sync_serv_mode | NO_SYNC_MODE      |
|                          | sync_init_auth | NO_SYNC_AUTH_MODE |
|                          | device         | OPP               |
| History:                 | 09.10.01       | RM Initial        |

#### 4.2.59 MFWBT503: request and confirm of profile OPP client deinitializing

**Description:**

**Preamble:** MFWBT100

```

        APL                      ACI                      PS
    (1) |                        | BTP_CL_OPP_TEST    |
        |                        | *<=====       *
    (2) |                        | BTP_DEINIT_PROFILE_CNF |
        |                        | *=====       *
    (3) |                        | BTP_DEINIT_PROFILE_CNF |
        |                        | *<=====       *
        |                        |                      |
    
```

**Parametrization:**

| Primitive                  | Parameter      | Value             |
|----------------------------|----------------|-------------------|
| (1) BTP_CL_OPP_TEST        | func_id        | 2                 |
| (2) BTP_DEINIT_PROFILE_CNF | device         | OPP               |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF | device         | OPP               |
|                            | result         | OK                |
|                            | subtype        | CLIENT            |
|                            | opp_mode       | NO_OPP_MODE       |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                   | 09.10.01       | RM Initial        |

**4.2.60 MFWBT504: request and confirm of profile OPP server deinitializing**

**Description:**

**Preamble:** MFWBT100

```

        APL                      ACI                      PS
    (1) |                        | BTP_SRV_OPP_TEST    |
        |                        | *<=====       *
    (2) |                        | BTP_DEINIT_PROFILE_CNF |
        |                        | *=====       *
    (3) |                        | BTP_DEINIT_PROFILE_CNF |
        |                        | *<=====       *
        |                        |                      |
    
```

**Parametrization:**

| Primitive            | Parameter | Value |
|----------------------|-----------|-------|
| (1) BTP_SRV_OPP_TEST | func_id   | 3     |

|                            |                |                   |
|----------------------------|----------------|-------------------|
| (2) BTP_DEINIT_PROFILE_CNF | device         | OPP               |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | OPP_BUFFER_MODE   |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| (3) BTP_DEINIT_PROFILE_CNF | device         | OPP               |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | OPP_BUFFER_MODE   |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
|                            |                |                   |
| History:                   | 09.10.01       | RM Initial        |

### 4.2.61 MFWBT505: request and confirm of profile OPP server reconfiguration

**Description:**

**Preamble:** MFWBT500

|     |     |                          |    |
|-----|-----|--------------------------|----|
| (1) | APL | ACI                      | PS |
|     |     |                          |    |
|     |     | BTP_SRV_OPP_TEST         |    |
|     |     | *<=====*                 |    |
| (2) |     | BTP_RECONFIG_PROFILE_CNF |    |
|     |     | *=====*                  |    |
| (3) |     | BTP_RECONFIG_PROFILE_CNF |    |
|     |     | *<=====*                 |    |
|     |     |                          |    |

**Parametrization:**

| <u>Primitive</u>             | <u>Parameter</u> | <u>Value</u>      |
|------------------------------|------------------|-------------------|
| (1) BTP_SRV_OPP_TEST         | func_id          | 4                 |
|                              |                  |                   |
| (2) BTP_RECONFIG_PROFILE_CNF | device           | OPP               |
|                              | result           | OK                |
|                              | subtype          | SERVER            |
|                              | opp_mode         | OPP_BUFFER_MODE   |
|                              | sync_serv_mode   | NO_SYNC_MODE      |
|                              | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                              |                  |                   |
| (3) BTP_RECONFIG_PROFILE_CNF | device           | OPP               |
|                              | result           | OK                |
|                              | subtype          | SERVER            |
|                              | opp_mode         | OPP_BUFFER_MODE   |
|                              | sync_serv_mode   | NO_SYNC_MODE      |
|                              | sync_init_auth   | NO_SYNC_AUTH_MODE |
|                              |                  |                   |
| History:                     | 09.10.01         | RM Initial        |

## 4.2.62 MFWBT506: search OPP server services on remote bluetooth devices, build a list

**Description:** browsing procedure for opp server

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
TIMEOUT_WAIT (5000)
(1) |                                     | BTP_CL_OPP_TEST |
        |                                     | *<===== *
(2) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *===== >*
(3) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *<===== *
(4) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *===== >*
(5) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *<===== *
(6) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *===== >*
(7) |                                     | BTP_SERVICE_FOUND_IND |
        |                                     | *<===== *
(8) |                                     | BTP_SERVICE_SEARCH_CNF |
        |                                     | *===== >*
(9) |                                     | BTP_SERVICE_SEARCH_CNF |
        |                                     | *<===== *
        |                                     |
    
```

### Parametrization:

| Primitive                 | Parameter | Value        |
|---------------------------|-----------|--------------|
| (1) BTP_CL_OPP_TEST       | func_id   | 3            |
| (2) BTP_SERVICE_FOUND_IND | device    | OPP          |
|                           | bd_name   | NOT_USED     |
|                           | cod       | NOT_USED     |
|                           | bd_addr   | ADDRESS_OPP1 |
|                           | serv_name | S_NAME_OPP   |
| (3) BTP_SERVICE_FOUND_IND | device    | OPP          |
|                           | bd_name   | NOT_USED     |
|                           | cod       | NOT_USED     |
|                           | bd_addr   | ADDRESS_OPP1 |
|                           | serv_name | S_NAME_OPP   |
| (4) BTP_SERVICE_FOUND_IND | device    | OPP          |
|                           | bd_name   | NOT_USED     |
|                           | cod       | NOT_USED     |
|                           | bd_addr   | ADDRESS_OPP2 |
|                           | serv_name | S_NAME_OPP   |
| (5) BTP_SERVICE_FOUND_IND | device    | OPP          |

|                            |           |              |
|----------------------------|-----------|--------------|
|                            | bd_name   | NOT_USED     |
|                            | cod       | NOT_USED     |
|                            | bd_addr   | ADDRESS_OPP2 |
|                            | serv_name | S_NAME_OPP   |
| (6) BTP_SERVICE_FOUND_IND  |           |              |
|                            | device    | OPP          |
|                            | bd_name   | NOT_USED     |
|                            | cod       | NOT_USED     |
|                            | bd_addr   | ADDRESS_OPP3 |
|                            | serv_name | S_NAME_OPP   |
| (7) BTP_SERVICE_FOUND_IND  |           |              |
|                            | device    | OPP          |
|                            | bd_name   | NOT_USED     |
|                            | cod       | NOT_USED     |
|                            | bd_addr   | ADDRESS_OPP3 |
|                            | serv_name | S_NAME_OPP   |
| (8) BTP_SERVICE_SEARCH_CNF |           |              |
|                            | device    | OPP          |
| (9) BTP_SERVICE_SEARCH_CNF |           |              |
|                            | device    | OPP          |
| History:                   | 09.01.02  | RM Initial   |

#### 4.2.63 MFWBT507: search OPP server services on remote bluetooth devices, build a list and delete list of found services

**Description:** browsing procedure for opp server and test mfw function for delete list opp  
**Preamble:** MFWBT100

| APL                 | ACI                    | PS |
|---------------------|------------------------|----|
|                     |                        |    |
| TIMEOUT_WAIT (5000) |                        |    |
| (1)                 | BTP_CL_OPP_TEST        |    |
|                     | *<=====*               |    |
| (2)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (3)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (4)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (5)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (6)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (7)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (8)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *=====>*               |    |
| (9)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *<=====*               |    |
| (10)                | BTP_CL_OPP_TEST        |    |
|                     | *<=====*               |    |
|                     |                        |    |

**Parametrization:**

| Primitive                  | Parameter       | Value        |
|----------------------------|-----------------|--------------|
| (1) BTP_CL_OPP_TEST        | func_id         | 3            |
| (2) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP1 |
|                            | serv_name       | S_NAME_OPP   |
| (3) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP1 |
|                            | serv_name       | S_NAME_OPP   |
| (4) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP2 |
|                            | serv_name       | S_NAME_OPP   |
| (5) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP2 |
|                            | serv_name       | S_NAME_OPP   |
| (6) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP3 |
|                            | serv_name       | S_NAME_OPP   |
| (7) BTP_SERVICE_FOUND_IND  | device          | OPP          |
|                            | bd_name         | NOT_USED     |
|                            | cod             | NOT_USED     |
|                            | bd_addr         | ADDRESS_OPP3 |
|                            | serv_name       | S_NAME_OPP   |
| (8) BTP_SERVICE_SEARCH_CNF | device          | OPP          |
| (9) BTP_SERVICE_SEARCH_CNF | device          | OPP          |
| (10)                       | BTP_CL_OPP_TEST |              |
|                            | func_id         | 4            |
| History:                   | 09.01.02        | RM Initial   |

#### 4.2.64 MFWBT508: deinitialize profile OPP server and client and stop OPP application

**Description:**

**Preamble:** MFWBT504

|     |     |  |     |                        |    |
|-----|-----|--|-----|------------------------|----|
|     | APL |  | ACI |                        | PS |
| (1) |     |  |     | BTP_CL_OPP_TEST        |    |
|     |     |  |     | *<=====*               |    |
| (2) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | *=====>*               |    |
| (3) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | *<=====*               |    |
|     |     |  |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>      |
|----------------------------|------------------|-------------------|
| (1) BTP_CL_OPP_TEST        | func_id          | 5                 |
| (2) BTP_DEINIT_PROFILE_CNF | device           | OPP               |
|                            | result           | OK                |
|                            | subtype          | CLIENT            |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF | device           | OPP               |
|                            | result           | OK                |
|                            | subtype          | CLIENT            |
|                            | opp_mode         | NO_OPP_MODE       |
|                            | sync_serv_mode   | NO_SYNC_MODE      |
|                            | sync_init_auth   | NO_SYNC_AUTH_MODE |
| History:                   | 09.10.01         | RM Initial        |

**4.2.65 MFWBT509: deinitialize profile OPP client and server and stop OPP application**

**Description:**

**Preamble:** MFWBT503

|     |     |  |     |                        |    |
|-----|-----|--|-----|------------------------|----|
|     | APL |  | ACI |                        | PS |
| (1) |     |  |     | BTP_SRV_OPP_TEST       |    |
|     |     |  |     | *<=====*               |    |
| (2) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | *=====>*               |    |
| (3) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | *<=====*               |    |
|     |     |  |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>    |
|----------------------------|------------------|-----------------|
| (1) BTP_SRV_OPP_TEST       | func_id          | 5               |
| (2) BTP_DEINIT_PROFILE_CNF | device           | OPP             |
|                            | result           | OK              |
|                            | subtype          | SERVER          |
|                            | opp_mode         | OPP_BUFFER_MODE |

|                            |                |                   |
|----------------------------|----------------|-------------------|
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF |                |                   |
|                            | device         | OPP               |
|                            | result         | OK                |
|                            | subtype        | SERVER            |
|                            | opp_mode       | OPP_BUFFER_MODE   |
|                            | sync_serv_mode | NO_SYNC_MODE      |
|                            | sync_init_auth | NO_SYNC_AUTH_MODE |
| History:                   | 09.10.01       | RM Initial        |

#### 4.2.66 MFWBT510: response to put request of an object and confirm from OPP server

**Description:**

**Preamble:** MFWBT100

|     |     |                  |    |
|-----|-----|------------------|----|
|     | APL | ACI              | PS |
| (1) |     | BTP_SRV_OPP_TEST |    |
|     |     | *<===== *        |    |
|     |     |                  |    |

**Parametrization:**

|                  |                  |              |
|------------------|------------------|--------------|
| <u>Primitive</u> | <u>Parameter</u> | <u>Value</u> |
|------------------|------------------|--------------|

|                      |          |            |
|----------------------|----------|------------|
| (1) BTP_SRV_OPP_TEST | func_id  | 6          |
| History:             | 09.10.01 | RM Initial |

#### 4.2.67 MFWBT511: put request from OPP server

**Description:**

**Preamble:** MFWBT100

|     |     |                      |    |
|-----|-----|----------------------|----|
|     | APL | ACI                  | PS |
| (1) |     | BTP_SRV_OPP_TEST     |    |
|     |     | *<===== *            |    |
| (2) |     | BTP_OPP_SERV_PUT_IND |    |
|     |     | *===== > *           |    |
| (3) |     | BTP_OPP_SERV_PUT_IND |    |
|     |     | *<===== *            |    |
|     |     |                      |    |

**Parametrization:**

|                  |                  |              |
|------------------|------------------|--------------|
| <u>Primitive</u> | <u>Parameter</u> | <u>Value</u> |
|------------------|------------------|--------------|

|                          |               |             |
|--------------------------|---------------|-------------|
| (1) BTP_SRV_OPP_TEST     | func_id       | 7           |
| (2) BTP_OPP_SERV_PUT_IND | device        | OPP         |
|                          | subtype       | SERVER      |
|                          | bd_addr       | ADDRESS_OPP |
|                          | object_type   | NOT_USED    |
|                          | object_name   | NAME_OPP1   |
|                          | object_m_t    | NOT_USED    |
|                          | object_length | NOT_USED    |

|                          |               |             |
|--------------------------|---------------|-------------|
| (3) BTP_OPP_SERV_PUT_IND | device        | OPP         |
|                          | subtype       | SERVER      |
|                          | bd_addr       | ADDRESS_OPP |
|                          | object_type   | NOT_USED    |
|                          | object_name   | NAME_OPP1   |
|                          | object_m_t    | NOT_USED    |
|                          | object_length | NOT_USED    |
| History:                 | 09.10.01      | RM Initial  |

#### 4.2.68 MFWBT512: put confirmation from OPP server

**Description:**

**Preamble:** MFWBT100

|     |     |                      |    |
|-----|-----|----------------------|----|
|     | APL | ACI                  | PS |
| (1) |     | BTP_SRV_OPP_TEST     |    |
|     |     | *<=====              |    |
| (2) |     | BTP_OPP_SERV_PUT_CNF |    |
|     |     | *===== >*            |    |
| (3) |     | BTP_OPP_SERV_PUT_CNF |    |
|     |     | *<=====              |    |
|     |     |                      |    |

**Parametrization:**

| <u>Primitive</u>         | <u>Parameter</u> | <u>Value</u> |
|--------------------------|------------------|--------------|
| (1) BTP_SRV_OPP_TEST     | func_id          | 8            |
| (2) BTP_OPP_SERV_PUT_CNF | device           | OPP          |
|                          | subtype          | SERVER       |
|                          | bd_addr          | ADDRESS_OPP  |
|                          | object_type      | STORE_BUFFER |
|                          | object_name      | NAME_OPP4    |
|                          | object_m_t       | NOT_USED     |
|                          | object_length    | NOT_USED     |
|                          | cause            | OK           |
| (3) BTP_OPP_SERV_PUT_CNF | device           | OPP          |
|                          | subtype          | SERVER       |
|                          | bd_addr          | ADDRESS_OPP  |
|                          | object_type      | STORE_BUFFER |
|                          | object_name      | NAME_OPP4    |
|                          | object_m_t       | NOT_USED     |
|                          | object_length    | NOT_USED     |
|                          | cause            | OK           |
| History:                 | 09.10.01         | RM Initial   |

#### 4.2.69 MFWBT513: push request from OPP client for an object

**Description:**

**Preamble:** MFWBT100

```

    APL
(1) |
    |
    |
    |
    ACI
    | BTP_CL_OPP_TEST
    | *<=====
    |
    PS
    |
    |
    |
    
```

**Parametrization:**

| Primitive           | Parameter | Value      |
|---------------------|-----------|------------|
| (1) BTP_CL_OPP_TEST | func_id   | 6          |
| History:            | 10.10.01  | RM Initial |

**4.2.70 MFWBT514: object push confirm for OPP client**

**Description:**

**Preamble:** MFWBT100

```

    APL
(1) |
    |
(2) |
    |
(3) |
    |
    |
    |
    ACI
    | BTP_CL_OPP_TEST
    | *<=====
    | BTP_OPP_OBJECT_PUSH_CNF
    | *=====>*
    | BTP_OPP_OBJECT_PUSH_CNF
    | *<=====
    |
    PS
    |
    |
    |
    |
    
```

**Parametrization:**

| Primitive                   | Parameter     | Value        |
|-----------------------------|---------------|--------------|
| (2) BTP_CL_OPP_TEST         | func_id       | 7            |
| (3) BTP_OPP_OBJECT_PUSH_CNF | device        | OPP          |
|                             | subtype       | CLIENT       |
|                             | bd_addr       | ADDRESS_OPP  |
|                             | object_type   | STORE_BUFFER |
|                             | object_name   | NAME_OPP2    |
|                             | object_m_t    | NOT_USED     |
|                             | object_length | NOT_USED     |
|                             | cause         | OK           |
| (4) BTP_OPP_OBJECT_PUSH_CNF | device        | OPP          |
|                             | subtype       | CLIENT       |
|                             | bd_addr       | ADDRESS_OPP  |
|                             | object_type   | STORE_BUFFER |
|                             | object_name   | NAME_OPP2    |
|                             | object_m_t    | NOT_USED     |
|                             | object_length | NOT_USED     |
|                             | cause         | OK           |
| History:                    | 10.10.01      | RM Initial   |

**4.2.71 MFWBT515: pull request from OPP client for an object**

**Description:**

**Preamble:** MFWBT100



```

    APL
(1) |
    |
    |
    |
    ACI
    |
    |      BTP_CL_OPP_TEST
    |      *<=====
    |
    PS
    |
    |
    |
    |
    
```

**Parametrization:**

| Primitive           | Parameter | Value      |
|---------------------|-----------|------------|
| (1) BTP_CL_OPP_TEST | func_id   | 10         |
| History:            | 10.10.01  | RM Initial |

**4.2.74 MFWBT600: start application of bluetooth profile SYNC, enable SYNC server**

**Description:**

**Preamble:** MFWBT100

```

    APL
(1) |
    |
    |
(2) |
    |
    |
(3) |
    |
    |
    |
    ACI
    |
    |      BTP_SRV_SYNC_TEST
    |      *<=====
    |
    |      BTP_INIT_PROFILE_CNF
    |      *=====
    |
    |      BTP_INIT_PROFILE_CNF
    |      *<=====
    |
    PS
    |
    |
    |
    |
    
```

**Parametrization:**

| Primitive                | Parameter      | Value          |
|--------------------------|----------------|----------------|
| (1) BTP_SRV_SYNC_TEST    | func_id        | 13             |
| (2) BTP_INIT_PROFILE_CNF | device         | SYNC           |
|                          | result         | OK             |
|                          | subtype        | SERVER         |
|                          | opp_mode       | NO_OPP_MODE    |
|                          | sync_serv_mode | GEN_SYNC_MODE  |
|                          | sync_init_auth | SYNC_AUTH_MODE |
| (3) BTP_INIT_PROFILE_CNF | device         | SYNC           |
|                          | result         | OK             |
|                          | subtype        | SERVER         |
|                          | opp_mode       | NO_OPP_MODE    |
|                          | sync_serv_mode | GEN_SYNC_MODE  |
|                          | sync_init_auth | SYNC_AUTH_MODE |
| History:                 | 17.10.01       | RM Initial     |

**4.2.75 MFWBT601: request and confirm of of profile SYNC server initializing**

**Description:**

**Preamble:** MFWBT100

|     |                      |    |
|-----|----------------------|----|
| APL | ACI                  | PS |
| (1) | BTP_SRV_SYNC_TEST    |    |
| (2) | BTP_INIT_PROFILE_CNF |    |
| (3) | BTP_INIT_PROFILE_CNF |    |

**Parametrization:**

| Primitive                | Parameter      | Value          |
|--------------------------|----------------|----------------|
| (1) BTP_SRV_SYNC_TEST    | func_id        | 12             |
| (2) BTP_INIT_PROFILE_CNF | device         | SYNC           |
|                          | result         | OK             |
|                          | subtype        | SERVER         |
|                          | opp_mode       | NO_OPP_MODE    |
|                          | sync_serv_mode | GEN_SYNC_MODE  |
|                          | sync_init_auth | SYNC_AUTH_MODE |
| (3) BTP_INIT_PROFILE_CNF | device         | SYNC           |
|                          | result         | OK             |
|                          | subtype        | SERVER         |
|                          | opp_mode       | NO_OPP_MODE    |
|                          | sync_serv_mode | GEN_SYNC_MODE  |
|                          | sync_init_auth | SYNC_AUTH_MODE |
| History:                 | 26.09.01       | RM Initial     |

**4.2.76 MFWBT602: SYNC server sends syn command**

**Description:**

**Preamble:** MFWBT100

|     |                   |    |
|-----|-------------------|----|
| APL | ACI               | PS |
| (1) | BTP_SRV_SYNC_TEST |    |

**Parametrization:**

| Primitive             | Parameter | Value      |
|-----------------------|-----------|------------|
| (1) BTP_SRV_SYNC_TEST | func_id   | 11         |
| History:              | 25.09.01  | RM Initial |

### 4.2.77 MFWBT603: SYNC complete indication

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_SRV_SYNC_TEST      |
    |            | *<===== *
(2) |            |      BTP_SRV_SYNC_CNF      |
    |            | *===== >*
(3) |            |      BTP_SRV_SYNC_CNF      |
    |            | *<===== *
    |            |
    
```

**Parametrization:**

| Primitive             | Parameter | Value           |
|-----------------------|-----------|-----------------|
| (1) BTP_SRV_SYNC_TEST | func_id   | 1               |
| (2) BTP_SRV_SYNC_CNF  | device    | SYNC            |
|                       | subtype   | SERVER          |
|                       | bd_addr   | ADDRESS_SYNC_C1 |
|                       | bd_name   | NAME_SYN_C4     |
|                       | cause     | OK              |
| (3) BTP_SRV_SYNC_CNF  | device    | SYNC            |
|                       | subtype   | SERVER          |
|                       | bd_addr   | ADDRESS_SYNC_C1 |
|                       | bd_name   | NAME_SYN_C4     |
|                       | cause     | OK              |
| History:              | 25.09.01  | RM Initial      |

### 4.2.78 MFWBT604: SYNC server sends authentication request

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_SRV_SYNC_TEST      |
    |            | *<===== *
(2) |            |      BTP_SRV_SYNC_AUTH_IND  |
    |            | *===== >*
(3) |            |      BTP_SRV_SYNC_AUTH_IND  |
    |            | *<===== *
    |            |
    
```

**Parametrization:**

| Primitive | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

|                           |          |                 |
|---------------------------|----------|-----------------|
| (1) BTP_SRV_SYNC_TEST     | func_id  | 7               |
| (2) BTP_SRV_SYNC_AUTH_IND | device   | SYNC            |
|                           | subtype  | SERVER          |
|                           | bd_addr  | ADDRESS_SYNC_C1 |
|                           | bd_name  | NAME_SYN_C4     |
| (3) BTP_SRV_SYNC_AUTH_IND | device   | SYNC            |
|                           | subtype  | SERVER          |
|                           | bd_addr  | ADDRESS_SYNC_C1 |
|                           | bd_name  | NAME_SYN_C4     |
| History:                  | 25.09.01 | RM Initial      |

#### 4.2.79 MFWBT605: SYNC server sends authentication response

**Description:**

**Preamble:** MFWBT100

|     |     |  |     |                   |    |
|-----|-----|--|-----|-------------------|----|
|     | APL |  | ACI |                   | PS |
| (1) |     |  |     | BTP_SRV_SYNC_TEST |    |
|     |     |  |     | *<=====*          |    |
|     |     |  |     |                   |    |

**Parametrization:**

| <u>Primitive</u>      | <u>Parameter</u> | <u>Value</u> |
|-----------------------|------------------|--------------|
| (1) BTP_SRV_SYNC_TEST | func_id          | 10           |
| History:              | 25.09.01         | RM Initial   |

#### 4.2.80 MFWBT606: SYNC server terminates synchronization

**Description:**

**Preamble:** MFWBT100

|     |     |  |     |                   |    |
|-----|-----|--|-----|-------------------|----|
|     | APL |  | ACI |                   | PS |
| (1) |     |  |     | BTP_SRV_SYNC_TEST |    |
|     |     |  |     | *<=====*          |    |
|     |     |  |     |                   |    |

**Parametrization:**

| <u>Primitive</u>      | <u>Parameter</u> | <u>Value</u> |
|-----------------------|------------------|--------------|
| (1) BTP_SRV_SYNC_TEST | func_id          | 2            |
| History:              | 26.09.01         | RM Initial   |

### 4.2.81 MFWBT607: SYNC client requests to pull an object from SYNC server

**Description:**

**Preamble:** MFWBT100

|     |     |                       |    |
|-----|-----|-----------------------|----|
|     | APL | ACI                   | PS |
|     |     |                       |    |
| (1) |     | BTP_SRV_SYNC_TEST     |    |
|     |     | *<=====*              |    |
| (2) |     | BTP_SRV_SYNC_PULL_IND |    |
|     |     | *=====*               |    |
| (3) |     | BTP_SRV_SYNC_PULL_IND |    |
|     |     | *<=====*              |    |
|     |     |                       |    |

**Parametrization:**

| Primitive                 | Parameter      | Value           |
|---------------------------|----------------|-----------------|
| (1) BTP_SRV_SYNC_TEST     | func_id        | 6               |
| (2) BTP_SRV_SYNC_PULL_IND | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_id_size | SYN_OBJ_SIZE    |
|                           | object_id_loc  | SYNC_OBJ_PATH   |
| (3) BTP_SRV_SYNC_PULL_IND | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_id_size | SYN_OBJ_SIZE    |
|                           | object_id_loc  | SYNC_OBJ_PATH   |
| History:                  | 25.10.01       | RM Initial      |

### 4.2.82 MFWBT608: SYNC reply to the pull request an object from SYNC server

**Description:**

**Preamble:** MFWBT100

|     |     |                   |    |
|-----|-----|-------------------|----|
|     | APL | ACI               | PS |
|     |     |                   |    |
| (1) |     | BTP_SRV_SYNC_TEST |    |
|     |     | *<=====*          |    |
|     |     |                   |    |

**Parametrization:**

| Primitive             | Parameter | Value      |
|-----------------------|-----------|------------|
| (1) BTP_SRV_SYNC_TEST | func_id   | 3          |
| History:              | 26.09.01  | RM Initial |

### 4.2.83 MFWBT609: SYNC client requests to push an object to SYNC server

**Description:**

**Preamble:** MFWBT100

| APL | ACI                   | PS |
|-----|-----------------------|----|
| (1) | BTP_SRV_SYNC_TEST     |    |
|     | *<=====*              |    |
| (2) | BTP_SRV_SYNC_PUSH_IND |    |
|     | *=====*               |    |
| (3) | BTP_SRV_SYNC_PUSH_IND |    |
|     | *<=====*              |    |
|     |                       |    |

**Parametrization:**

| Primitive                 | Parameter      | Value           |
|---------------------------|----------------|-----------------|
| (1) BTP_SRV_SYNC_TEST     | func_id        | 4               |
| (2) BTP_SRV_SYNC_PUSH_IND | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_id_size | SYN_OBJ_SIZE    |
|                           | object_id_loc  | SYNC_OBJ_PATH   |
| (3) BTP_SRV_SYNC_PUSH_IND | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_id_size | SYN_OBJ_SIZE    |
|                           | object_id_loc  | SYNC_OBJ_PATH   |
| History:                  | 26.10.01       | RM Initial      |

### 4.2.84 MFWBT610: SYNC reply to the push request an object from SYNC server

**Description:**

**Preamble:** MFWBT100

| APL | ACI               | PS |
|-----|-------------------|----|
| (1) | BTP_SRV_SYNC_TEST |    |
|     | *<=====*          |    |
|     |                   |    |

**Parametrization:**

| Primitive             | Parameter | Value      |
|-----------------------|-----------|------------|
| (1) BTP_SRV_SYNC_TEST | func_id   | 9          |
| History:              | 25.09.01  | RM Initial |

### 4.2.85 MFWBT611: SYNC client confirmation after push an object to SYNC server

**Description:**

**Preamble:** MFWBT100

|     |                       |    |
|-----|-----------------------|----|
| APL | ACI                   | PS |
| (1) | BTP_SRV_SYNC_TEST     |    |
| (2) | BTP_SRV_SYNC_PUSH_CNF |    |
| (3) | BTP_SRV_SYNC_PUSH_CNF |    |

**Parametrization:**

| Primitive                 | Parameter      | Value           |
|---------------------------|----------------|-----------------|
| (1) BTP_SRV_SYNC_TEST     | func_id        | 5               |
| (2) BTP_SRV_SYNC_PUSH_CNF | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_type    | STORE_BUFFER    |
|                           | object_name    | NAME_SYN_C6     |
|                           | object_m_t     | NOT_USED        |
|                           | object_length  | NOT_USED        |
|                           | object_id_size | SYN_OBJ_SIZE    |
| (3) BTP_SRV_SYNC_PUSH_CNF | object_id_loc  | SYNC_OBJ_PATH   |
|                           | device         | SYNC            |
|                           | subtype        | SERVER          |
|                           | bd_addr        | ADDRESS_SYNC_C1 |
|                           | object_type    | STORE_BUFFER    |
|                           | object_name    | NAME_SYN_C6     |
|                           | object_m_t     | NOT_USED        |
|                           | object_length  | NOT_USED        |
| History:                  | object_id_size | SYN_OBJ_SIZE    |
|                           | object_id_loc  | SYNC_OBJ_PATH   |
|                           | 25.10.01       | RM Initial      |

### 4.2.86 MFWBT612: request and confirm of profile SYNC server deinitializing

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_SRV_SYNC_TEST |
    |            | *<===== *
(2) |            |      BTP_DEINIT_PROFILE_CNF |
    |            | *===== >*
(3) |            |      BTP_DEINIT_PROFILE_CNF |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive                  | Parameter      | Value          |
|----------------------------|----------------|----------------|
| (1) BTP_SRV_SYNC_TEST      | func_id        | 14             |
| (2) BTP_DEINIT_PROFILE_CNF | device         | SYNC           |
|                            | result         | OK             |
|                            | subtype        | SERVER         |
|                            | opp_mode       | NO_OPP_MODE    |
|                            | sync_serv_mode | GEN_SYNC_MODE  |
|                            | sync_init_auth | SYNC_AUTH_MODE |
| (3) BTP_DEINIT_PROFILE_CNF | device         | SYNC           |
|                            | result         | OK             |
|                            | subtype        | SERVER         |
|                            | opp_mode       | NO_OPP_MODE    |
|                            | sync_serv_mode | GEN_SYNC_MODE  |
|                            | sync_init_auth | SYNC_AUTH_MODE |
| History:                   | 26.09.01       | RM Initial     |

**4.2.87 MFWBT613: request and confirm of profile SYNC server reconfiguration**

**Description:**

**Preamble:** MFWBT600

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_SRV_SYNC_TEST |
    |            | *<===== *
(2) |            |      BTP_RECONFIG_PROFILE_CNF |
    |            | *===== >*
(3) |            |      BTP_RECONFIG_PROFILE_CNF |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive             | Parameter | Value |
|-----------------------|-----------|-------|
| (1) BTP_SRV_SYNC_TEST | func_id   | 15    |

|                              |                |                |
|------------------------------|----------------|----------------|
| (2) BTP_RECONFIG_PROFILE_CNF | device         | SYNC           |
|                              | result         | OK             |
|                              | subtype        | SERVER         |
|                              | opp_mode       | NO_OPP_MODE    |
|                              | sync_serv_mode | GEN_SYNC_MODE  |
|                              | sync_init_auth | SYNC_AUTH_MODE |
| (3) BTP_RECONFIG_PROFILE_CNF | device         | SYNC           |
|                              | result         | OK             |
|                              | subtype        | SERVER         |
|                              | opp_mode       | NO_OPP_MODE    |
|                              | sync_serv_mode | GEN_SYNC_MODE  |
|                              | sync_init_auth | SYNC_AUTH_MODE |
| History:                     | 26.09.01       | RM Initial     |

#### 4.2.88 MFWBT614: connection indication from SYNC client

**Description:**

**Preamble:** MFWBT100

|     |     |                        |    |
|-----|-----|------------------------|----|
|     | APL | ACI                    | PS |
| (1) |     |                        |    |
|     |     | BTP_SRV_SYNC_TEST      |    |
|     |     | *<=====*               |    |
| (2) |     | BTP_CONNECT_DEVICE_IND |    |
|     |     | *=====*                |    |
| (3) |     | BTP_CONNECT_DEVICE_IND |    |
|     |     | *<=====*               |    |
|     |     |                        |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u> | <u>Value</u>    |
|----------------------------|------------------|-----------------|
| (1) BTP_SRV_SYNC_TEST      | func_id          | 8               |
| (2) BTP_CONNECT_DEVICE_IND | device           | SYNC_CMD        |
|                            | bd_addr          | ADDRESS_SYNC_C1 |
|                            | bd_name          | NAME_SYN_C3     |
|                            | ind_id           | NOT_USED        |
|                            | src_id           | NO_HSG          |
| (3) BTP_CONNECT_DEVICE_IND | device           | SYNC_CMD        |
|                            | bd_addr          | ADDRESS_SYNC_C1 |
|                            | bd_name          | NAME_SYN_C3     |
|                            | ind_id           | NOT_USED        |
|                            | src_id           | NO_HSG          |
| History:                   | 05.10.01         | RM Initial      |

### 4.2.89 MFWBT615: deinitialize profile SYNC server and stop SYNC application

**Description:**

**Preamble:** MFWBT100

|     |     |  |     |                        |    |
|-----|-----|--|-----|------------------------|----|
|     | APL |  | ACI |                        | PS |
| (1) |     |  |     | BTP_SRV_SYNC_TEST      |    |
|     |     |  |     | * <=====*              |    |
| (2) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | * =====>*              |    |
| (3) |     |  |     | BTP_DEINIT_PROFILE_CNF |    |
|     |     |  |     | * <=====*              |    |
|     |     |  |     |                        |    |

**Parametrization:**

| Primitive                  | Parameter      | Value          |
|----------------------------|----------------|----------------|
| (1) BTP_SRV_SYNC_TEST      | func_id        | 16             |
| (2) BTP_DEINIT_PROFILE_CNF | device         | SYNC           |
|                            | result         | OK             |
|                            | subtype        | SERVER         |
|                            | opp_mode       | NO_OPP_MODE    |
|                            | sync_serv_mode | GEN_SYNC_MODE  |
| (3) BTP_DEINIT_PROFILE_CNF | sync_init_auth | SYNC_AUTH_MODE |
|                            | device         | SYNC           |
|                            | result         | OK             |
|                            | subtype        | SERVER         |
|                            | opp_mode       | NO_OPP_MODE    |
| History:                   | sync_serv_mode | GEN_SYNC_MODE  |
|                            | sync_init_auth | SYNC_AUTH_MODE |
|                            | 18.09.01       | RM Initial     |

### 4.2.90 MFWBT616: search SYNC server services with sync command support on remote bluetooth devices, build a list

**Description:** browsing procedure for sync server with syn command support (client)

**Preamble:** MFWBT100



### 4.2.91 MFWBT617: search SYNC server services with sync command support on remote bluetooth devices and delete list of found services

**Description:** browsing procedure for sync server with syn command support (client) and mfw function for delete list of found sync server with sync command support

**Preamble:** MFWBT100

| APL                 | ACI                    | PS |
|---------------------|------------------------|----|
|                     |                        |    |
| TIMEOUT_WAIT (5000) |                        |    |
| (1)                 | BTP_SRV_SYNC_TEST      |    |
|                     | *<=====*               |    |
| (2)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (3)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (4)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *=====>*               |    |
| (5)                 | BTP_SERVICE_FOUND_IND  |    |
|                     | *<=====*               |    |
| (6)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *=====>*               |    |
| (7)                 | BTP_SERVICE_SEARCH_CNF |    |
|                     | *<=====*               |    |
| (8)                 | BTP_SRV_SYNC_TEST      |    |
|                     | *<=====*               |    |
|                     |                        |    |

**Parametrization:**

| Primitive                 | Parameter | Value           |
|---------------------------|-----------|-----------------|
| (1) BTP_SRV_SYNC_TEST     | func_id   | 17              |
| (2) BTP_SERVICE_FOUND_IND | device    | SYNC_CMD        |
|                           | bd_name   | NOT_USED        |
|                           | cod       | NOT_USED        |
|                           | bd_addr   | ADDRESS_SYNC_C1 |
|                           | serv_name | NAME_SYN_C1     |
| (3) BTP_SERVICE_FOUND_IND | device    | SYNC_CMD        |
|                           | bd_name   | NOT_USED        |
|                           | cod       | NOT_USED        |
|                           | bd_addr   | ADDRESS_SYNC_C1 |
|                           | serv_name | NAME_SYN_C1     |
| (4) BTP_SERVICE_FOUND_IND | device    | SYNC_CMD        |
|                           | bd_name   | NOT_USED        |
|                           | cod       | NOT_USED        |
|                           | bd_addr   | ADDRESS_SYNC_C2 |
|                           | serv_name | NAME_SYN_C2     |
| (5) BTP_SERVICE_FOUND_IND | device    | SYNC_CMD        |
|                           | bd_name   | NOT_USED        |

|                            |           |                 |
|----------------------------|-----------|-----------------|
|                            | cod       | NOT_USED        |
|                            | bd_addr   | ADDRESS_SYNC_C2 |
|                            | serv_name | NAME_SYN_C2     |
| (6) BTP_SERVICE_SEARCH_CNF | device    | SYNC_CMD        |
| (7) BTP_SERVICE_SEARCH_CNF | device    | SYNC_CMD        |
| (8) BTP_SRV_SYNC_TEST      | func_id   | 18              |
| History:                   | 09.01.02  | RM Initial      |

#### 4.2.92 MFWBT700: register in SCM

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 1            |
| History:               | 11.10.01         | RM Initial   |

#### 4.2.93 MFWBT701: set common security mode

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 2            |
| History:               | 11.10.01         | RM Initial   |

### 4.2.94 MFWBT702: set common pairable mode

**Description:**

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
(1)    |                                 |   BTP_SEC_BROWS_TEST           |
        |                                 | *<=====*>                    |
        |                                 |                                 |
    
```

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 3          |
| History:               | 11.10.01  | RM Initial |

### 4.2.95 MFWBT703: search bluetooth devices and their services

**Description:**

**Preamble:** MFWBT100

```

        APL                               ACI                               PS
        |                                 |                                 |
(1)    |                                 |   BTP_SEC_BROWS_TEST           |
        |                                 | *<=====*>                    |
(2)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *=====*>                    |
(3)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *<=====*>                    |
(4)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *=====*>                    |
(5)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *<=====*>                    |
(6)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *=====*>                    |
(7)    |                                 |   BTP_DEVICE_FOUND_IND        |
        |                                 | *<=====*>                    |
(8)    |                                 |   BTP_DEVICE_SEARCH_CNF       |
        |                                 | *=====*>                    |
(9)    |                                 |   BTP_DEVICE_SEARCH_CNF       |
        |                                 | *<=====*>                    |
        |                                 |                                 |
    
```

**Parametrization:**

| Primitive                | Parameter | Value    |
|--------------------------|-----------|----------|
| (1) BTP_SEC_BROWS_TEST   | func_id   | 4        |
| (2) BTP_DEVICE_FOUND_IND | bd_name   | NOT_USED |
|                          | cod       | NOT_USED |

|                           |              |                  |
|---------------------------|--------------|------------------|
|                           | bd_addr      | ADDRESS_HEADSET  |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_1        |
| (3) BTP_DEVICE_FOUND_IND  |              |                  |
|                           | bd_name      | NOT_USED         |
|                           | cod          | NOT_USED         |
|                           | bd_addr      | ADDRESS_HEADSET  |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_1        |
| (4) BTP_DEVICE_FOUND_IND  |              |                  |
|                           | bd_name      | NOT_USED         |
|                           | cod          | NOT_USED         |
|                           | bd_addr      | ADDRESS_HEADSET1 |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_2        |
| (5) BTP_DEVICE_FOUND_IND  |              |                  |
|                           | bd_name      | NOT_USED         |
|                           | cod          | NOT_USED         |
|                           | bd_addr      | ADDRESS_HEADSET1 |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_2        |
| (6) BTP_DEVICE_FOUND_IND  |              |                  |
|                           | bd_name      | NOT_USED         |
|                           | cod          | NOT_USED         |
|                           | bd_addr      | ADDRESS_HEADSET2 |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_3        |
| (7) BTP_DEVICE_FOUND_IND  |              |                  |
|                           | bd_name      | NOT_USED         |
|                           | cod          | NOT_USED         |
|                           | bd_addr      | ADDRESS_HEADSET2 |
|                           | num_services | NOT_USED         |
|                           | services     | SERVICE_3        |
| (8) BTP_DEVICE_SEARCH_CNF |              |                  |
|                           | result       | OK               |
| (9) BTP_DEVICE_SEARCH_CNF |              |                  |
|                           | result       | OK               |
| History:                  | 09.01.02     | RM Initial       |

#### 4.2.96 MFWBT704: abort browsing process

**Description:**

**Preamble:** MFWBT100

```

APL                               ACI                               PS
|                                 |                                 |
(1) |                               | BTP_SEC_BROWS_TEST          |
|                                 | *<=====*>                |
|                                 |                                 |

```

**Parametrization:**

| Primitive | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

|                        |          |            |
|------------------------|----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id  | 5          |
| History:               | 11.10.01 | RM Initial |

#### 4.2.97 MFWBT705: delete list of found bluetooth devices

**Description:**

**Preamble:** MFWBT703

|     |                |    |
|-----|----------------|----|
| APL | ACI            | PS |
|     |                |    |
| (1) | BTP_OTHER_TEST |    |
|     | *<=====*       |    |
|     |                |    |

**Parametrization:**

| <u>Primitive</u>   | <u>Parameter</u> | <u>Value</u> |
|--------------------|------------------|--------------|
| (1) BTP_OTHER_TEST | func_id          | 1            |
| History:           | 11.10.01         | RM Initial   |

#### 4.2.98 MFWBT706: delete lists of found bluetooth services

**Description:**

**Preamble:** MFWBT207

| APL                 | ACI                    | PS |
|---------------------|------------------------|----|
| TIMEOUT_WAIT (5000) |                        |    |
| (1)                 | BTP_DUN_TEST           |    |
| (2)                 | BTP_SERVICE_FOUND_IND  |    |
| (3)                 | BTP_SERVICE_FOUND_IND  |    |
| (4)                 | BTP_SERVICE_SEARCH_CNF |    |
| (5)                 | BTP_SERVICE_SEARCH_CNF |    |
| (6)                 | BTP_FAX_TEST           |    |
| (7)                 | BTP_SERVICE_FOUND_IND  |    |
| (8)                 | BTP_SERVICE_FOUND_IND  |    |
| (9)                 | BTP_SERVICE_SEARCH_CNF |    |
| (10)                | BTP_SERVICE_SEARCH_CNF |    |
| (11)                | BTP_CL_OPP_TEST        |    |
| (12)                | BTP_SERVICE_FOUND_IND  |    |
| (13)                | BTP_SERVICE_FOUND_IND  |    |
| (14)                | BTP_SERVICE_FOUND_IND  |    |
| (15)                | BTP_SERVICE_FOUND_IND  |    |
| (16)                | BTP_SERVICE_FOUND_IND  |    |
| (17)                | BTP_SERVICE_FOUND_IND  |    |
| (18)                | BTP_SERVICE_SEARCH_CNF |    |
| (19)                | BTP_SERVICE_SEARCH_CNF |    |
| (20)                | BTP_SRV_SYNC_TEST      |    |
| (21)                | BTP_SERVICE_FOUND_IND  |    |
| (22)                | BTP_SERVICE_FOUND_IND  |    |
| (23)                | BTP_SERVICE_FOUND_IND  |    |
| (24)                | BTP_SERVICE_FOUND_IND  |    |
| (25)                | BTP_SERVICE_SEARCH_CNF |    |
| (26)                | BTP_SERVICE_SEARCH_CNF |    |
| (27)                | BTP_OTHER_TEST         |    |

**Parametrization:**

| <u>Primitive</u>           | <u>Parameter</u>       | <u>Value</u>    |
|----------------------------|------------------------|-----------------|
| (1) BTP_DUN_TEST           | func_id                | 6               |
| (2) BTP_SERVICE_FOUND_IND  | device                 | DIALUP          |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |
|                            | bd_addr                | ADDRESS_DIALUP1 |
|                            | serv_name              | NAME_DIALUP1    |
| (3) BTP_SERVICE_FOUND_IND  | device                 | DIALUP          |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |
|                            | bd_addr                | ADDRESS_DIALUP1 |
|                            | serv_name              | NAME_DIALUP1    |
| (4) BTP_SERVICE_SEARCH_CNF | device                 | DIALUP          |
| (5) BTP_SERVICE_SEARCH_CNF | device                 | DIALUP          |
| (6) BTP_FAX_TEST           | func_id                | 6               |
| (7) BTP_SERVICE_FOUND_IND  | device                 | FAX             |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |
|                            | bd_addr                | ADDRESS_FAX     |
|                            | serv_name              | NAME_FAX        |
| (8) BTP_SERVICE_FOUND_IND  | device                 | FAX             |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |
|                            | bd_addr                | ADDRESS_FAX     |
|                            | serv_name              | NAME_FAX        |
| (9) BTP_SERVICE_SEARCH_CNF | device                 | FAX             |
| (10)                       | BTP_SERVICE_SEARCH_CNF |                 |
|                            | device                 | FAX             |
| (11)                       | BTP_CL_OPP_TEST        |                 |
|                            | func_id                | 3               |
| (12)                       | BTP_SERVICE_FOUND_IND  |                 |
|                            | device                 | OPP             |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |
|                            | bd_addr                | ADDRESS_OPP1    |
|                            | serv_name              | S_NAME_OPP      |
| (13)                       | BTP_SERVICE_FOUND_IND  |                 |
|                            | device                 | OPP             |
|                            | bd_name                | NOT_USED        |
|                            | cod                    | NOT_USED        |

|      |                        |                 |
|------|------------------------|-----------------|
|      | bd_addr                | ADDRESS_OPP1    |
|      | serv_name              | S_NAME_OPP      |
| (14) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | OPP             |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_OPP2    |
|      | serv_name              | S_NAME_OPP      |
| (15) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | OPP             |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_OPP2    |
|      | serv_name              | S_NAME_OPP      |
| (16) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | OPP             |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_OPP3    |
|      | serv_name              | S_NAME_OPP      |
| (17) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | OPP             |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_OPP3    |
|      | serv_name              | S_NAME_OPP      |
| (18) | BTP_SERVICE_SEARCH_CNF |                 |
|      | device                 | OPP             |
| (19) | BTP_SERVICE_SEARCH_CNF |                 |
|      | device                 | OPP             |
| (20) | BTP_SRV_SYNC_TEST      |                 |
|      | func_id                | 17              |
| (21) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | SYNC_CMD        |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_SYNC_C1 |
|      | serv_name              | NAME_SYN_C1     |
| (22) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | SYNC_CMD        |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_SYNC_C1 |
|      | serv_name              | NAME_SYN_C1     |
| (23) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | SYNC_CMD        |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |
|      | bd_addr                | ADDRESS_SYNC_C2 |
|      | serv_name              | NAME_SYN_C2     |
| (24) | BTP_SERVICE_FOUND_IND  |                 |
|      | device                 | SYNC_CMD        |
|      | bd_name                | NOT_USED        |
|      | cod                    | NOT_USED        |

|          |                                  |                 |
|----------|----------------------------------|-----------------|
|          | bd_addr                          | ADDRESS_SYNC_C2 |
|          | serv_name                        | NAME_SYN_C2     |
| (25)     | BTP_SERVICE_SEARCH_CNF<br>device | SYNC_CMD        |
| (26)     | BTP_SERVICE_SEARCH_CNF<br>device | SYNC_CMD        |
| (27)     | BTP_OTHER_TEST<br>func_id        | 2               |
| History: | 09.01.02                         | RM Initial      |

#### 4.2.99 MFWBT707: pin request

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
| (2) |     | BTP_PIN_IND        |    |
|     |     | *=====*>*          |    |
| (3) |     | BTP_PIN_IND        |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u>   | <u>Value</u>                     |
|------------------------|--------------------|----------------------------------|
| (1) BTP_SEC_BROWS_TEST | func_id            | 6                                |
| (2) BTP_PIN_IND        | bd_addr<br>bd_name | ADDRESS_HEADSET2<br>NAME_HSG_PIN |
| (3) BTP_PIN_IND        | bd_addr<br>bd_name | ADDRESS_HEADSET2<br>NAME_HSG_PIN |
| History:               | 11.10.01           | RM Initial                       |

#### 4.2.100 MFWBT708: pin response

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 7          |
| History:               | 11.10.01  | RM Initial |

#### 4.2.101 MFWBT709: pin confirmation

**Description:**

**Preamble:** MFWBT100

| APL | ACI                   | PS |
|-----|-----------------------|----|
| (1) | BTP_SEC_BROWS_TEST    |    |
|     | *<=====               |    |
| (2) | BTP_DEVICE_PAired_IND |    |
|     | *=====>               |    |
| (3) | BTP_DEVICE_PAired_IND |    |
|     | *<=====               |    |
|     |                       |    |

**Parametrization:**

| Primitive                 | Parameter   | Value            |
|---------------------------|-------------|------------------|
| (1) BTP_SEC_BROWS_TEST    | func_id     | 8                |
| (2) BTP_DEVICE_PAired_IND | bd_addr     | ADDRESS_HEADSET2 |
|                           | bd_name     | NAME_HSG_PIN     |
|                           | pair_result | OK               |
| (3) BTP_DEVICE_PAired_IND | bd_addr     | ADDRESS_HEADSET2 |
|                           | bd_name     | NAME_HSG_PIN     |
|                           | pair_result | OK               |
| History:                  | 11.10.01    | RM Initial       |

#### 4.2.102 MFWBT710: set pairing mode on

**Description:**

**Preamble:** MFWBT100

| APL | ACI            | PS |
|-----|----------------|----|
| (1) | BTP_OTHER_TEST |    |
|     | *<=====        |    |
|     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value |
|--------------------|-----------|-------|
| (1) BTP_OTHER_TEST | func_id   | 3     |

History: 12.10.01 RM Initial

### 4.2.103 MFWBT711: set pairing mode off

**Description:**

**Preamble:** MFWBT100

|     |     |                |    |
|-----|-----|----------------|----|
|     | APL | ACI            | PS |
| (1) |     |                |    |
|     |     | BTP_OTHER_TEST |    |
|     |     | *<=====*       |    |
|     |     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value |
|--------------------|-----------|-------|
| (1) BTP_OTHER_TEST | func_id   | 4     |

History: 12.10.01 RM Initial

### 4.2.104 MFWBT712: start pairing procedure

**Description:**

**Preamble:** MFWBT100

|     |     |                |    |
|-----|-----|----------------|----|
|     | APL | ACI            | PS |
| (1) |     |                |    |
|     |     | BTP_OTHER_TEST |    |
|     |     | *<=====*       |    |
|     |     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value |
|--------------------|-----------|-------|
| (2) BTP_OTHER_TEST | func_id   | 5     |

History: 12.10.01 RM Initial

### 4.2.105 MFWBT713: confirmation of pairing procedure

**Description:**

**Preamble:** MFWBT100

```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_OTHER_TEST          |
        |                  |          *<=====          *
(2)   |                  |          BTP_DEVICE_PAIRED_IND      |
        |                  |          *=====          *
(3)   |                  |          BTP_DEVICE_PAIRED_IND      |
        |                  |          *<=====          *
        |                  |                  |
    
```

**Parametrization:**

| Primitive                 | Parameter   | Value            |
|---------------------------|-------------|------------------|
| (1) BTP_OTHER_TEST        | func_id     | 6                |
| (2) BTP_DEVICE_PAIRED_IND | bd_addr     | ADDRESS_HEADSET2 |
|                           | bd_name     | NAME_HSG_PIN     |
|                           | pair_result | OK               |
| (3) BTP_DEVICE_PAIRED_IND | bd_addr     | ADDRESS_HEADSET2 |
|                           | bd_name     | NAME_HSG_PIN     |
|                           | pair_result | OK               |
| History:                  | 12.10.01    | RM Initial       |

**4.2.106 MFWBT714: check pairing state**

**Description:**

**Preamble:** MFWBT100

```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_OTHER_TEST          |
        |                  |          *<=====          *
        |                  |                  |
    
```

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 7          |
| History:           | 12.10.01  | RM Initial |

**4.2.107 MFWBT715: inquiry paired devices, build a list of paired devices**

**Description:**

**Preamble:** MFWBT101

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_OTHER_TEST      |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 8          |
| History:           | 12.10.01  | RM Initial |

**4.2.108 MFWBT716: delete paired devices from the list of paired devices**

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_OTHER_TEST      |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 9          |
| History:           | 12.10.01  | RM Initial |

**4.2.109 MFWBT717: authorization request sync**

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            |      BTP_OTHER_TEST      |
    |            | *<===== *
(2) |            |      BTP_AUTHORIZATION_IND  |
    |            | *===== > *
(3) |            |      BTP_AUTHORIZATION_IND  |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

|                           |   |  |
|---------------------------|---|--|
| (1) BTP_OTHER_TEST        | func_id   | 10   |
| (2) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_SYNC_C<br>PROT_ID_SYNC_C<br>INCOMM |
| (3) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_SYNC_C<br>PROT_ID_SYNC_C<br>INCOMM |
| History:                  | 09.01.02  | RM Initial   |

### 4.2.110 MFWBT718: authorization request hsg

**Description:**

**Preamble:** MFWBT100

|     |                       |    |
|-----|-----------------------|----|
| APL | ACI                   | PS |
| (1) | BTP_OTHER_TEST        |    |
| (2) | BTP_AUTHORIZATION_IND |    |
| (3) | BTP_AUTHORIZATION_IND |    |
|     |                       |    |

**Parametrization:**

| <u>Primitive</u>          | <u>Parameter</u>  | <u>Value</u>   |
|---------------------------|---|--|
| (1) BTP_OTHER_TEST        | func_id   | 11   |
| (2) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_HSG<br>PROT_ID_HSG<br>INCOMM |
| (3) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_HSG<br>PROT_ID_HSG<br>INCOMM |
| History:                  | 16.10.01  | RM Initial   |

### 4.2.111 MFWBT719: authorization request fax

**Description:**

**Preamble:** MFWBT100

```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_OTHER_TEST          |
        |                  | *<===== *
(2)   |                  |          BTP_AUTHORIZATION_IND    |
        |                  | *===== >*
(3)   |                  |          BTP_AUTHORIZATION_IND    |
        |                  | *<===== *
        |                  |                  |
    
```

**Parametrization:**

| Primitive                 | Parameter               | Value            |
|---------------------------|-------------------------|------------------|
| (1) BTP_OTHER_TEST        | func_id                 | 12               |
| (2) BTP_AUTHORIZATION_IND | bd_addr                 | ADDRESS_HEADSET2 |
|                           | bd_name                 | NAME_BD          |
|                           | appli_name              | SER_NAME_FAX     |
|                           | authorization_mask_serv | PROT_ID_FAX      |
|                           | incom_conn              | INCOMM           |
| (3) BTP_AUTHORIZATION_IND | bd_addr                 | ADDRESS_HEADSET2 |
|                           | bd_name                 | NAME_BD          |
|                           | appli_name              | SER_NAME_FAX     |
|                           | authorization_mask_serv | PROT_ID_FAX      |
|                           | incom_conn              | INCOMM           |
| History:                  | 16.10.01                | RM Initial       |

### 4.2.112 MFWBT720: authorization request dun

**Description:**

**Preamble:** MFWBT100

```

        APL                ACI                PS
        |                  |                  |
(1)   |                  |          BTP_OTHER_TEST          |
        |                  | *<===== *
(2)   |                  |          BTP_AUTHORIZATION_IND    |
        |                  | *===== >*
(3)   |                  |          BTP_AUTHORIZATION_IND    |
        |                  | *<===== *
        |                  |                  |
    
```

**Parametrization:**

| Primitive | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

|                           |   |   |
|---------------------------|---|---|
| (1) BTP_OTHER_TEST        | func_id   | 13  |
| (2) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_DIALUP<br>PROT_ID_DUN<br>INCOMM |
| (3) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_DIALUP<br>PROT_ID_DUN<br>INCOMM |
| History:                  | 16.10.01  | RM Initial  |

### 4.2.113 MFWBT721: authorization request opp

**Description:**

**Preamble:** MFWBT100

|     |                       |    |
|-----|-----------------------|----|
| APL | ACI                   | PS |
| (1) | BTP_OTHER_TEST        |    |
| (2) | BTP_AUTHORIZATION_IND |    |
| (3) | BTP_AUTHORIZATION_IND |    |
|     |                       |    |

**Parametrization:**

| <u>Primitive</u>          | <u>Parameter</u>  | <u>Value</u>   |
|---------------------------|---|--|
| (1) BTP_OTHER_TEST        | func_id   | 14   |
| (2) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_OPP<br>PROT_ID_OPP<br>INCOMM |
| (3) BTP_AUTHORIZATION_IND | bd_addr<br>bd_name<br>appli_name<br>authorization_mask_serv<br>incom_conn | ADDRESS_HEADSET2<br>NAME_BD<br>SER_NAME_OPP<br>PROT_ID_OPP<br>INCOMM |
| History:                  | 16.10.01  | RM Initial   |



(1) BTP\_OTHER\_TEST  
 func\_id 17  
 History: 16.10.01 RM Initial

#### 4.2.117 MFWBT725: authorization reply fax

**Description:**

**Preamble:** MFWBT100

|     |     |                |    |
|-----|-----|----------------|----|
|     | APL | ACI            | PS |
| (1) |     |                |    |
|     |     | BTP_OTHER_TEST |    |
|     |     | *<=====*       |    |
|     |     |                |    |

**Parametrization:**

| <u>Primitive</u>   | <u>Parameter</u> | <u>Value</u> |
|--------------------|------------------|--------------|
| (1) BTP_OTHER_TEST | func_id          | 18           |
| History:           | 16.10.01         | RM Initial   |

#### 4.2.118 MFWBT726: authorization reply opp

**Description:**

**Preamble:** MFWBT100

|     |     |                |    |
|-----|-----|----------------|----|
|     | APL | ACI            | PS |
| (1) |     |                |    |
|     |     | BTP_OTHER_TEST |    |
|     |     | *<=====*       |    |
|     |     |                |    |

**Parametrization:**

| <u>Primitive</u>   | <u>Parameter</u> | <u>Value</u> |
|--------------------|------------------|--------------|
| (1) BTP_OTHER_TEST | func_id          | 19           |
| History:           | 16.10.01         | RM Initial   |

#### 4.2.119 MFWBT727: get bluetooth authorizations

**Description:**

**Preamble:** MFWBT100

|     |                |    |
|-----|----------------|----|
| APL | ACI            | PS |
| (1) |                |    |
|     | BTP_OTHER_TEST |    |
|     | *<=====*       |    |
|     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 20         |
| History:           | 16.10.01  | RM Initial |

**4.2.120 MFWBT728: set bluetooth authorization fax**

**Description:**

**Preamble:** MFWBT100

|     |                |    |
|-----|----------------|----|
| APL | ACI            | PS |
| (1) |                |    |
|     | BTP_OTHER_TEST |    |
|     | *<=====*       |    |
|     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 21         |
| History:           | 16.10.01  | RM Initial |

**4.2.121 MFWBT729: set bluetooth authorization dun**

**Description:**

**Preamble:** MFWBT100

|     |                |    |
|-----|----------------|----|
| APL | ACI            | PS |
| (1) |                |    |
|     | BTP_OTHER_TEST |    |
|     | *<=====*       |    |
|     |                |    |

**Parametrization:**

| Primitive          | Parameter | Value      |
|--------------------|-----------|------------|
| (1) BTP_OTHER_TEST | func_id   | 22         |
| History:           | 16.10.01  | RM Initial |



(1) BTP\_OTHER\_TEST  
 func\_id 25  
 History: 16.10.01 RM Initial

#### 4.2.125 MFWBT733: authorization list for profile sync

**Description:**

**Preamble:** MFWBT101

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 9            |
| History:               | 16.10.01         | RM Initial   |

#### 4.2.126 MFWBT734: authorization list for profile opp

**Description:**

**Preamble:** MFWBT101

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 10           |
| History:               | 16.10.01         | RM Initial   |

#### 4.2.127 MFWBT735: authorization list for profile fax

**Description:**

**Preamble:** MFWBT101

| APL | ACI                | PS |
|-----|--------------------|----|
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====*           |    |

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 11         |
| History:               | 16.10.01  | RM Initial |

**4.2.128 MFWBT736: authorization list for profile hsg**

**Description:**

**Preamble:** MFWBT101

| APL | ACI                | PS |
|-----|--------------------|----|
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====*           |    |

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 12         |
| History:               | 16.10.01  | RM Initial |

**4.2.129 MFWBT737: authorization list for profile dun**

**Description:**

**Preamble:** MFWBT101

| APL | ACI                | PS |
|-----|--------------------|----|
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====*           |    |

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 13         |
| History:               | 16.10.01  | RM Initial |

### 4.2.130 MFWBT738: authorization list for all profiles

**Description:**

**Preamble:** MFWBT101

```

    APL          ACI          PS
    |            |            |
(1) |            | BTP_SEC_BROWS_TEST |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 14         |
| History:               | 16.10.01  | RM Initial |

### 4.2.131 MFWBT739: delete authorization for profile sync

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            | BTP_SEC_BROWS_TEST |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive              | Parameter | Value      |
|------------------------|-----------|------------|
| (1) BTP_SEC_BROWS_TEST | func_id   | 15         |
| History:               | 16.10.01  | RM Initial |

### 4.2.132 MFWBT740: delete authorization for profile dun

**Description:**

**Preamble:** MFWBT100

```

    APL          ACI          PS
    |            |            |
(1) |            | BTP_SEC_BROWS_TEST |
    |            | *<===== *
    |            |            |
    
```

**Parametrization:**

| Primitive | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

(1) BTP\_SEC\_BROWS\_TEST  
 func\_id 16  
 History: 16.10.01 RM Initial

#### 4.2.133 MFWBT741: delete authorization for profile fax

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 17           |
| History:               | 16.10.01         | RM Initial   |

#### 4.2.134 MFWBT742: delete authorization for profile opp

**Description:**

**Preamble:** MFWBT100

|     |     |                    |    |
|-----|-----|--------------------|----|
|     | APL | ACI                | PS |
| (1) |     |                    |    |
|     |     | BTP_SEC_BROWS_TEST |    |
|     |     | *<=====*           |    |
|     |     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 18           |
| History:               | 16.10.01         | RM Initial   |

#### 4.2.135 MFWBT743: delete authorization for profile hsg

**Description:**

**Preamble:** MFWBT100

|     |                    |    |
|-----|--------------------|----|
| APL | ACI                | PS |
|     |                    |    |
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====            |    |
|     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 19           |
| History:               | 16.10.01         | RM Initial   |

**4.2.136 MFWBT744: delete authorizations for a device**

**Description:**

**Preamble:** MFWBT100

|     |                    |    |
|-----|--------------------|----|
| APL | ACI                | PS |
|     |                    |    |
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====            |    |
|     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 20           |
| History:               | 16.10.01         | RM Initial   |

**4.2.137 MFWBT745: set common security mode**

**Description:**

**Preamble:** MFWBT100

|     |                    |    |
|-----|--------------------|----|
| APL | ACI                | PS |
|     |                    |    |
| (1) | BTP_SEC_BROWS_TEST |    |
|     | *<=====            |    |
|     |                    |    |

**Parametrization:**

| <u>Primitive</u>       | <u>Parameter</u> | <u>Value</u> |
|------------------------|------------------|--------------|
| (1) BTP_SEC_BROWS_TEST | func_id          | 21           |
| History:               | 16.10.01         | RM Initial   |



## Appendices

### A. Acronyms

**DS-WCDMA** Direct Sequence/Spread Wideband Code Division Multiple Access

### B. Glossary

**International Mobile Telecommunication 2000 (IMT-2000/ITU-2000)** Formerly referred to as FPLMTS (Future Public Land-Mobile Telephone System), this is the ITU's specification/family of standards for 3G. This initiative provides a global infrastructure through both satellite and terrestrial systems, for fixed and mobile phone users. The family of standards is a framework comprising a mix/blend of systems providing global roaming. <URL: <http://www.imt-2000.org/>>