

| ID  | ID  | Jnique_IC | Name   | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|--|------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|-------------------------|-------------|-----|-----|
|     |     |           |  |            |                 |         |                  |      |            |          |                           |                         |                         | Jul         | Sep | Nov |
| 1   | 1   | 0         | Version 2012 Sep 11                                | -          | 1               | -       | -                | ##   | 03/01/2000 | 0%       | -                         | -                       | -                       |             |     |     |
| 2   | 2   | 0         | Rel-11 Stage 1 frozen 09/2011                      | -          | 1               | -       | -                | ##   | 07/12/1998 | 0%       | -                         | -                       | -                       |             |     |     |
| 3   | 3   | 0         | Rel-11 Stage 2 frozen 03/2012                      | -          | 1               | -       | -                | ##   | 07/12/1998 | 0%       | -                         | -                       | -                       |             |     |     |
| 4   | 4   | 0         | Rel-11 Stage 3 freeze 09/2012                      | -          | 1               | -       | -                | ##   | 07/12/1998 | 0%       | -                         | -                       | -                       |             |     |     |
| 5   | 5   | 0         | Rel-12 Stage 1 freeze 03/2013                      | -          | 1               | -       | -                | ##   | 03/01/2000 | 0%       | -                         | -                       | -                       |             |     |     |
| 6   | 6   | 0         | Rel-12 Stage 2 freeze 12/2013                      | -          | 1               | -       | -                | ##   | 03/01/2000 | 0%       | -                         | -                       | -                       |             |     |     |
| 7   | 7   | 0         | Rel-12 Stage 3 freeze 06/2014                      | -          | 1               | -       | -                | ##   | 03/01/2000 | 0%       | -                         | -                       | -                       |             |     |     |
| 8   | 8   | 0         | Gantt: dark blue=done; light blue=to be done; grey | -          | 1               | -       | -                | ##   | 07/12/1998 | 0%       | -                         | -                       | -                       |             |     |     |
| 9   | 9   | 0         | Release 12 Features                                | -          | 1               | Rel-12  | SP,CP,F          | ##   | 12/03/2014 | 0%       | -                         | -                       | -                       |             |     |     |
| 10  | 10  | 490030    | SIPTO Service Continuity of IP Data S              | SIPTO_SC   | 1               | Rel-12  | S1               | ##   | 21/09/2011 | 100%     | <a href="#">SP-100589</a> | Vodafone                | .com                    |             |     |     |
| 12  | 12  | 500031    | Interworking between Mobile Operato                | MOSAP      | 1               | Rel-12  | S1,S2            | ##   | 18/09/2013 | 34%      | <a href="#">SP-120427</a> | Cisco                   | com)                    |             |     |     |
| 16  | 16  | 520027    | IMS Network-Independent Public User                | INIPUI     | 1               | Rel-12  | S1               | ##   | 20/06/2012 | 100%     | <a href="#">SP-120425</a> | Vodafone                | .com                    |             |     |     |
| 18  | 18  | 530042    | IMS-based Telepresence                             | IMS_TELEP  | 1               | Rel-12  | S1               | ##   | 20/06/2012 | 100%     | <a href="#">SP-110588</a> | Orange                  | .com                    |             |     |     |
| 20  | 20  | 530043    | Service and Media Reachability for Us              | SMURFs     | 1               | Rel-12  | S1               | ##   | 20/06/2012 | 100%     | <a href="#">SP-110653</a> | Vodafone                | .com                    |             |     |     |
| 22  | 22  | 550024    | Advanced IP Interconnection of Servic              | IPXSNAT    | 1               | Rel-12  | S1               | ##   | 12/09/2012 | 100%     | <a href="#">SP-120428</a> | KPN                     | no.nl                   |             |     |     |
| 24  | 24  | 550025    | Integration of Single Sign-On (SSO) fr             | SSO_Int    | 1               | Rel-12  | S1               | ##   | 12/09/2012 | 100%     | <a href="#">SP-120184</a> | InterDigi               | .com                    |             |     |     |
| 26  | 26  | 560019    | Explicit Communication Transfer Blin               | ECTB       | 1               | Rel-12  | S1               | ##   | 20/06/2012 | 100%     | <a href="#">SP-120301</a> | Orange                  | .ottn                   |             |     |     |
| 28  | 28  | 560020    | Group Communication System Enable                  | GCSE_LTE   | 1               | Rel-12  | S1               | ##   | 20/03/2013 | 5%       | <a href="#">SP-120421</a> | Nokia Si                | erke                    |             |     |     |
| 30  | 30  | 570027    | IMS access via Digital Video Broadcas              | IMSSat     | 1               | Rel-12  | S1               | ##   | 12/09/2012 | 100%     | <a href="#">SP-120543</a> | KPN                     | no.nl                   |             |     |     |
| 32  | 32  | 570028    | IMS Registration Control                           | IMS_RegCor | 1               | Rel-12  | S1               | ##   | 12/09/2012 | 100%     | <a href="#">SP-120544</a> | China M                 | .com                    |             |     |     |
| 34  | 34  | 570029    | User Plane Congestion management                   | UPCON      | 1               | Rel-12  | S1               | ##   | 12/12/2012 | 0%       | <a href="#">SP-120545</a> | KDDI                    | com)                    |             |     |     |
| 36  | 36  | 500028    | LIPA Mobility and SIPTO at the Local               | LIMONET    | 1               | Rel-12  | S2,C4,C          | ##   | 06/12/2013 | 7%       | <a href="#">SP-120256</a> | Huawei                  | .com                    |             |     |     |
| 48  | 48  | 510049    | Operator Policies for IP Interface Sele            | OPIIS      | 1               | Rel-12  | S2               | ##   | 06/03/2013 | 25%      | <a href="#">SP-120260</a> | LG Elect                | .com                    |             |     |     |
| 51  | 51  | 520029    | Short Message Service (SMS) submit                 | SMSMI      | 1               | Rel-12  | S2               | ##   | 06/03/2013 | 37%      | <a href="#">SP-120321</a> | Nokia Si                | .com                    |             |     |     |
| 54  | 54  | 560022    | Machine-Type and other mobile data                 | MTCe       | 1               | Rel-12  | S2,S1,S          | ##   | 11/12/2013 | 18%      | <a href="#">SP-120540</a> | Intel                   | Jain                    |             |     |     |
| 67  | 67  | 560024    | Policy and Charging Control for supp               | P4C        | 1               | Rel-12  | S2,S5            | ##   | 11/12/2013 | 24%      | <a href="#">SP-120443</a> | Huawei                  | i.com                   |             |     |     |
| 77  | 77  | 560025    | IMS Business Trunking for IP-PBX in                | BusTI      | 1               | Rel-12  | S2,S1            | ##   | 20/03/2013 | 19%      | <a href="#">SP-120272</a> | Deutsche                | .com                    |             |     |     |
| 81  | 81  | 560026    | WLAN Network Selection for 3GPP Te                 | WLAN_NS    | 1               | Rel-12  | S2,S1            | ##   | 20/03/2013 | 15%      | <a href="#">SP-120259</a> | Intel                   | .com                    |             |     |     |
| 83  | 83  | 560028    | Rel-12 Security small Enhancements                 | SEC12      | 1               | Rel-12  | S3               | ##   | 05/03/2013 | 40%      | not applicable            | -                       | -                       |             |     |     |
| 84  | 84  | 510054    | Security aspects of Public Warning S               | PWS_Sec    | 1               | Rel-12  | S3,S1            | ##   | 12/12/2012 | 91%      | <a href="#">SP-120434</a> | ST-Erics                | .com                    |             |     |     |
| 91  | 91  | 520031    | Security enhancements for usage of C               | Web_GBA    | 1               | Rel-12  | S3               | ##   | 06/03/2013 | 85%      | <a href="#">SP-110254</a> | Nokia                   | i.com                   |             |     |     |
| 92  | 92  | 560030    | Extended IMS media plane security fe               | eMEDIASEC  | 1               | Rel-12  | S3               | ##   | 05/03/2013 | 79%      | <a href="#">SP-120447</a> | Vodafone                | i.com                   |             |     |     |
| 93  | 93  | 570032    | Lawful Interception in the 3GPP Rel-1              | LI12       | 1               | Rel-12  | S3               | ##   | 06/12/2013 | 0%       | <a href="#">SP-120597</a> | PIDS, Alc               | .com                    |             |     |     |
| 94  | 94  | 470030    | Codec for Enhanced Voice Services                  | EVS_codec  | 1               | Rel-12  | S4,S1            | ##   | 11/12/2013 | 55%      | <a href="#">SP-100202</a> | Huawei                  | .com                    |             |     |     |
| 97  | 97  | 560040    | Coordination of Video Orientation                  | CVO        | 1               | Rel-12  | S4               | ##   | 12/12/2012 | 40%      | <a href="#">SP-120228</a> | Ericsson                | i.com                   |             |     |     |
| 98  | 98  | 570033    | High Efficiency Video Coding                       | HEVC       | 1               | Rel-12  | S4               | ##   | 05/03/2014 | 0%       | <a href="#">SP-120510</a> | Qualcom                 | .com)                   |             |     |     |
| 99  | 99  | 560031    | Rel-12 Operations, Administration, Ma              | OAM12      | 1               | Rel-12  | S5               | ##   | 17/09/2014 | 4%       | not applicable            | -                       | -                       |             |     |     |
| 113 | 113 | 570008    | Interworking between a PLMN with W                 | SAES_WLAN  | 1               | Rel-12  | C3               | ##   | 06/12/2013 | 0%       | <a href="#">CP-120540</a> | Huawei                  | i.com                   |             |     |     |
| 114 | 114 | 530002    | Introduction of ER-GSM band for GSM                | RT_ERGSM   | 1               | Rel-12  | G1,C1            | ##   | 17/05/2013 | 23%      | <a href="#">GP-111468</a> | Kapsch                  | h.net                   |             |     |     |
| 117 | 117 | 570002    | Downlink Multi Carrier GERAN                       | DMCG       | 1               | Rel-12  | G2,G1,C          | ##   | 28/02/2014 | 0%       | <a href="#">GP-121118</a> | Ericsson                | .com                    |             |     |     |
| 121 | 121 | 570021    | Further enhancements to H(e)NB mok                 | EHNb_enh3  | 1               | Rel-12  | R3,R2            | ##   | 14/06/2013 | 0%       | <a href="#">RP-121444</a> | Alcatel-L               |                         |             |     |     |
| 123 | 123 | 510033    | Carrier based HetNet ICIC for LTE                  | LTE_CA_Het | 1               | Rel-12  | R3,R1,F          | ##   | 14/06/2013 | 40%      | <a href="#">RP-121198</a> | Nokia Si                | .com                    |             |     |     |
| 125 | 125 | 550017    | LTE in the 1670-1675 MHz Band for U                | LTE_FDD_16 | 1               | Rel-12  | R4,R2,F          | ##   | 13/09/2013 | 5%       | <a href="#">RP-121397</a> | LightSqu                | .com                    |             |     |     |











































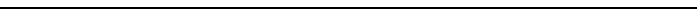
| ID  | ID  | Jnique_IC | Name  | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>apporte<br>a-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|---|------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|     |     |           |   |            |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 128 | 128 | 570017    | <a href="#">LTE in the US Wireless Communicat</a>       | LTE_WCS_b  | 1               | Rel-12  | R4,R2            | ##   | 13/09/2013 | 0%       | <a href="#">RP-121419</a>      | AT&T                    | .com                    |             |     |     |
| 131 | 131 | 570019    | <a href="#">Introduction of LTE 450 MHz band in I</a>   | LTE450_Bra | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121414</a>      | Huawei                  | com)                    |             |     |     |
| 134 | 134 | 570020    | <a href="#">Further Downlink MIMO Enhancement</a>       | LTE_eDL_MI | 1               | Rel-12  | R1,R4            | ##   | 13/09/2013 | 0%       | <a href="#">RP-121416</a>      | Alcatel-L               | com)                    |             |     |     |
| 137 | 137 | 570025    | <a href="#">New Carrier Type for LTE</a>                | LTE_NCT    | 1               | Rel-12  | R1,R2,F          | ##   | 13/06/2014 | 0%       | <a href="#">RP-121415</a>      | Ericsson                | .com                    |             |     |     |
| 140 | 140 | 530029    | <a href="#">LTE Advanced intra-band non-contigu</a>     | LTE_CA_NC  | 1               | Rel-12  | R4               | ##   | 06/12/2013 | 35%      | <a href="#">RP-121143</a>      | Sprint                  | .com                    |             |     |     |
| 143 | 143 | 550011    | <a href="#">LTE Advanced intra-band non-contigu</a>     | LTE_CA_NC  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 10%      | <a href="#">RP-120383</a>      | SK Telec                | ARK                     |             |     |     |
| 146 | 146 | 560015    | <a href="#">LTE Advanced intra-band Contiguous</a>      | LTE_CA_C_I | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 4%       | <a href="#">RP-120826</a>      | KDDI                    | lbara                   |             |     |     |
| 149 | 149 | 560016    | <a href="#">LTE Advanced intra-band non-contigu</a>     | LTE_CA_NC  | 1               | Rel-12  | R4               | ##   | 06/12/2013 | 5%       | <a href="#">RP-120593</a>      | T-Mobile                | .com                    |             |     |     |
| 152 | 152 | 570016    | <a href="#">LTE Advanced intra-band contiguous</a>      | LTE_CA_C_I | 1               | Rel-12  | R4               | ##   | 06/12/2013 | 0%       | <a href="#">RP-121352</a>      | China Ur                | n.cn)                   |             |     |     |
| 155 | 155 | 550010    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B3  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 10%      | <a href="#">RP-120867</a>      | SK Telec                | long                    |             |     |     |
| 158 | 158 | 560017    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B2  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 5%       | <a href="#">RP-121145</a>      | T-Mobile                | .com                    |             |     |     |
| 161 | 161 | 570012    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B2  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121421</a>      | Dish Net                | Tolli                   |             |     |     |
| 164 | 164 | 570013    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B3  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121161</a>      | KT                      | com)                    |             |     |     |
| 167 | 167 | 570014    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B3  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121174</a>      | NTT DOC                 | neda                    |             |     |     |
| 170 | 170 | 570015    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B3  | 1               | Rel-12  | R4               | ##   | 13/09/2013 | 0%       | <a href="#">RP-121178</a>      | China M                 | com)                    |             |     |     |
| 173 | 173 | 570018    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B1  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121448</a>      | Softbank                | ihara                   |             |     |     |
| 176 | 176 | 570026    | <a href="#">LTE Advanced inter-band Carrier Agg</a>     | LTE_CA_B3  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121169</a>      | eAccess                 | s.net                   |             |     |     |
| 179 | 179 | 560018    | <a href="#">(Small) Technical Enhancements and</a>      | TEI12      | 1               | Rel-12  | All              | ##   | 20/12/2013 | 0%       | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 180 | 180 | 570000    | <a href="#">Postponed - Enhanced CoMP for LTE</a>       | COMP_LTE_  | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121453</a>      | Samsung                 |                         |             |     |     |
| 181 | 181 | 570000    | <a href="#">Postponed - Further Enhancements for L</a>  | LTE_eDDA2  | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121291</a>      | Research                |                         |             |     |     |
| 182 | 182 | 570000    | <a href="#">Postponed - LTE Coverage Enhancement</a>    | Cov_Enh_LT | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121405</a>      | China Te                |                         |             |     |     |
| 183 | 183 | 570000    | <a href="#">Postponed - Performance Requirements</a>    | LTE_UL_8Rx | 1               | Rel-12  | R4               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121150</a>      | China Te                |                         |             |     |     |
| 184 | 184 | 570000    | <a href="#">Postponed - LTE Advanced inter-band C</a>   | LTE_CA_B1  | 1               | Rel-12  | R4               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121172</a>      | LG Uplus                |                         |             |     |     |
| 185 | 185 | 570000    | <a href="#">Postponed - eMBMS enhancements for</a>      | MBMS_LTE_  | 1               | Rel-12  | R1,R2,F          | ##   | 07/09/2012 | 0%       | <a href="#">RP-121452</a>      | Qualcom                 | io Xu                   |             |     |     |
| 186 | 186 | 570000    | <a href="#">Postponed - Proposed Enhancement II c</a>   | eMDT2_LTE  | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121205</a>      | MediaTel                |                         |             |     |     |
| 187 | 187 | 570000    | <a href="#">Postponed - Hetnet Mobility Enhanceme</a>   | HetNet_eMO | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121406</a>      | Alcatel-L               |                         |             |     |     |
| 188 | 188 | 570000    | <a href="#">Postponed - Further Enhancements to L</a>   | LTE_TDD_el | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121229</a>      | CATT                    |                         |             |     |     |
| 189 | 189 | 570000    | <a href="#">Postponed - Further LTE (UL) Carrier Ag</a> | LTE_CA_enh | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121245</a>      | Nokia                   |                         |             |     |     |
| 190 | 190 | 0         | <b>Release 12 Studies</b>                               | -          | 1               | Rel-12  | SP               | ##   | 12/03/2014 | 0%       | -                              | -                       | -                       |             |     |     |
| 191 | 191 | 470020    | <a href="#">Study on Alternatives to E.164 for Mac</a>  | FS_AMTC    | 1               | Rel-12  | S1               | ##   | 07/03/2012 | 100%     | <a href="#">SP-100198</a>      | T-Mobile                | i.com                   |             |     |     |
| 192 | 192 | 480032    | <a href="#">Study on enhancements for Machine-</a>      | FS_MTCe    | 1               | Rel-12  | S1               | ##   | 06/03/2013 | 45%      | <a href="#">SP-100448</a>      | Huawei                  | i.com                   |             |     |     |
| 193 | 193 | 490035    | <a href="#">Study on Integration of Single Sign-On</a>  | FS_SSO_Int | 1               | Rel-12  | S1               | ##   | 07/03/2012 | 100%     | <a href="#">SP-100640</a>      | InterDigi               | .com                    |             |     |     |
| 194 | 194 | 500035    | <a href="#">Study on Continuity of Data Sessions</a>    | FS_CSN     | 1               | Rel-12  | S1               | ##   | 14/12/2011 | 100%     | <a href="#">SP-100885</a>      | NEC                     | ab.eu                   |             |     |     |
| 195 | 195 | 500036    | <a href="#">Study on non-MTC Mobile Data Applic</a>     | FS_MODAL   | 1               | Rel-12  | S1               | ##   | 14/12/2011 | 100%     | <a href="#">SP-100889</a>      | Huawei, C               | ing Li                  |             |     |     |
| 196 | 196 | 530044    | <a href="#">Study on Proximity-based Services</a>       | FS_ProSe   | 1               | Rel-12  | S1               | ##   | 12/12/2012 | 75%      | <a href="#">SP-110638</a>      | Qualcom                 | .com)                   |             |     |     |
| 197 | 197 | 540027    | <a href="#">Study on User Plane Congestion man</a>      | FS_UPCON   | 1               | Rel-12  | S1               | ##   | 12/09/2012 | 100%     | <a href="#">SP-110819</a>      | KDDI                    | .com)                   |             |     |     |
| 198 | 198 | 540028    | <a href="#">Study on RAN Sharing Enhancements</a>       | FS_RSE     | 1               | Rel-12  | S1               | ##   | 12/12/2012 | 70%      | <a href="#">SP-110820</a>      | NEC                     | ab.eu                   |             |     |     |
| 199 | 199 | 570034    | <a href="#">Study on Application specific Conges</a>    | FS_ACDC    | 1               | Rel-12  | S1               | ##   | 19/06/2013 | 0%       | <a href="#">SP-120546</a>      | NTT DOC                 | co.jp)                  |             |     |     |
| 200 | 200 | 490034    | <a href="#">Study on IMS based Peer-to-Peer Con</a>     | FS_IMS_P2P | 1               | Rel-12  | S2,S1,S          | ##   | 12/12/2012 | 90%      | <a href="#">SP-100567</a>      | China M                 | com)                    |             |     |     |
| 204 | 204 | 490036    | <a href="#">Study on Core Network Overload solu</a>     | FS_CNO     | 1               | Rel-12  | S2               | ##   | 11/12/2013 | 35%      | <a href="#">SP-120490</a>      | Huawei                  | i.com                   |             |     |     |
| 205 | 205 | 500037    | <a href="#">Study on System Enhancements for E</a>      | FS_SEEE    | 1               | Rel-12  | S2               | ##   | 20/06/2012 | 100%     | <a href="#">SP-100888</a>      | Huawei                  | i.com                   |             |     |     |
| 206 | 206 | 510061    | <a href="#">Study on S2a Mobility based On GTP</a>      | FS_SaMOG   | 1               | Rel-12  | S2               | ##   | 06/03/2013 | 25%      | <a href="#">SP-120426</a>      | ZTE                     | m.cn)                   |             |     |     |
| 207 | 207 | 520035    | <a href="#">Study on Usage Monitoring Control ei</a>    | FS_UMONC   | 1               | Rel-12  | S2,S1,S          | ##   | 12/12/2012 | 71%      | <a href="#">SP-120554</a>      | ZTE, Hua                | m.cn                    |             |     |     |

| ID  | ID  | Jnique_IC | Name  | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | itat | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>porteur<br>e-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|---|-------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|-------------------------|-------------|-----|-----|
|     |     |           |   |             |                 |         |                  |      |            |          |                           |                         |                         | Jul         | Sep | Nov |
| 211 | 211 | 560037    | <a href="#">Study on Optimized Offloading to WLAN</a>     | FS_WORM     | 1               | Rel-12  | S2               | ##   | 19/06/2013 | 5%       | <a href="#">SP-120261</a> | RIM                     | .com                    |             |     |     |
| 212 | 212 | 560038    | <a href="#">Study on Application Based Charging</a>       | FS_ABC      | 1               | Rel-12  | S2               | ##   | 20/03/2013 | 12%      | <a href="#">SP-120271</a> | Allot Com               | .com                    |             |     |     |
| 213 | 213 | 410043    | <a href="#">Study on Multi Access PDN connectiv</a>       | FS_MAPIM    | 1               | Rel-12  | S2,S1            | ##   | 19/03/2013 | 71%      | <a href="#">SP-110452</a> | Qualcom                 | .com                    |             |     |     |
| 216 | 216 | 560039    | <a href="#">Study on IP Flow Mobility support for</a>     | FS_NBIFOM   | 1               | Rel-12  | S2               | ##   | 20/03/2013 | 20%      | <a href="#">SP-120270</a> | ZTE                     | .com                    |             |     |     |
| 217 | 217 | 480043    | <a href="#">Study on Extended IMS Media Plane S</a>       | FS_eMEDIAS  | 1               | Rel-12  | S3               | ##   | 12/12/2012 | 79%      | <a href="#">SP-100256</a> | Vodafone                | .com                    |             |     |     |
| 218 | 218 | 500034    | <a href="#">Study on Security aspects of Integrati</a>    | FS_SSO_Int  | 1               | Rel-12  | S3               | ##   | 12/12/2012 | 25%      | <a href="#">SP-100734</a> | Ericsson                | .com                    |             |     |     |
| 219 | 219 | 530047    | <a href="#">Study on IMS Firewall Traversal</a>           | FS_iFire    | 1               | Rel-12  | S3               | ##   | 12/12/2012 | 70%      | <a href="#">SP-110654</a> | Acme Pai                | .com                    |             |     |     |
| 220 | 220 | 550026    | <a href="#">Study on Security on spoofed call det</a>     | FS_SPOOF    | 1               | Rel-12  | S3               | ##   | 14/06/2013 | 25%      | <a href="#">SP-120030</a> | China Mo                | .com                    |             |     |     |
| 221 | 221 | 570035    | <a href="#">Study on Security Assurance Method</a>        | FS_SECAM    | 1               | Rel-12  | S3               | ##   | 19/06/2013 | 0%       | <a href="#">SP-120654</a> | Orange                  | .com                    |             |     |     |
| 222 | 222 | 540033    | <a href="#">Study on Improved Support for Dyna</a>        | FS_IS_DASH  | 1               | Rel-12  | S4               | ##   | 06/03/2013 | 20%      | <a href="#">SP-110887</a> | Qualcom                 | .com                    |             |     |     |
| 223 | 223 | 470050    | <a href="#">Study on version handling</a>                 | FS_OAM_VH   | 1               | Rel-12  | S5               | ##   | 12/12/2012 | 90%      | <a href="#">SP-100082</a> | Ericsson                | .com                    |             |     |     |
| 224 | 224 | 510046    | <a href="#">Study on management of Heterogene</a>         | FS_OAM_He   | 1               | Rel-12  | S5               | ##   | 11/09/2013 | 40%      | <a href="#">SP-110140</a> | Ericsson                | .com                    |             |     |     |
| 225 | 225 | 540032    | <a href="#">Study on OAM aspects of Network Sh</a>        | FS_OAM_SH   | 1               | Rel-12  | S5               | ##   | 12/12/2012 | 30%      | <a href="#">SP-110888</a> | Alcatel-L               | .com                    |             |     |     |
| 226 | 226 | 460001    | <a href="#">Study on GERAN improvements for M</a>         | FS_NIMTC_C  | 1               | Rel-12  | G1,G2            | ##   | 23/11/2012 | 60%      | <a href="#">GP-092418</a> | Ericsson                | .com                    |             |     |     |
| 227 | 227 | 490006    | <a href="#">Study on Solutions for GSM/EDGE BT</a>        | FS_Energy_E | 1               | Rel-12  | G1,G2            | ##   | 23/11/2012 | 85%      | <a href="#">GP-101638</a> | Nokia Sie               | .com                    |             |     |     |
| 228 | 228 | 520002    | <a href="#">Study on GERAN enhancements for N</a>         | FS_GERAN_   | 1               | Rel-12  | G2,G1            | ##   | 17/05/2013 | 40%      | <a href="#">GP-110999</a> | Huawei                  | .com                    |             |     |     |
| 229 | 229 | 500016    | <a href="#">Study on Inclusion of RF Pattern Matc</a>     | FS_LCS_LTE  | 1               | Rel-12  | R4               | ##   | 07/12/2012 | 55%      | <a href="#">RP-120885</a> | Polaris W               | .com                    |             |     |     |
| 230 | 230 | 530052    | <a href="#">Study on Provision of low-cost MTC U</a>      | FS_LC_MTC   | 1               | Rel-12  | R1,R2,F          | ##   | 01/03/2013 | 90%      | <a href="#">RP-121441</a> | Vodafone                | .com                    |             |     |     |
| 231 | 231 | 530054    | <a href="#">Study on Mobile Relay for E-UTRA</a>          | FS_LTE_mot  | 1               | Rel-12  | R3,R1            | ##   | 14/06/2013 | 80%      | <a href="#">RP-121443</a> | CATT                    | ig Hu                   |             |     |     |
| 232 | 232 | 550020    | <a href="#">Study on LTE-HRPD (High Rate Packe</a>        | FS_LTE_HRP  | 1               | Rel-12  | R3               | ##   | 07/12/2012 | 30%      | <a href="#">RP-120380</a> | China Tel               | .com                    |             |     |     |
| 233 | 233 | 530056    | <a href="#">Study on RF and EMC requirements f</a>        | FS_AAS_BS   | 1               | Rel-12  | R4,R1            | ##   | 07/12/2012 | 65%      | <a href="#">RP-111349</a> | Huawei                  | .com                    |             |     |     |
| 234 | 234 | 550021    | <a href="#">Study on Passive InterModulation (PI</a>      | FS_BS_PIM   | 1               | Rel-12  | R4,G1            | ##   | 07/12/2012 | 55%      | <a href="#">RP-120268</a> | Ericsson                | .com                    |             |     |     |
| 235 | 235 | 570022    | <a href="#">Study on LTE FDD in the bands 1980-</a>       | FS_LTE_198  | 1               | Rel-12  | R4               | ##   | 14/06/2013 | 0%       | <a href="#">RP-121420</a> | KT                      | .com                    |             |     |     |
| 236 | 236 | 570023    | <a href="#">Study on Scenarios and Requirement</a>        | FS_LTE_SC   | 1               | Rel-12  | RP               | ##   | 07/12/2012 | 0%       | <a href="#">RP-121418</a> | China Mo                | .com                    |             |     |     |
| 237 | 237 | 570024    | <a href="#">Study on UMTS Heterogeneous Netw</a>          | FS_UTRA_he  | 1               | Rel-12  | R1,R2,F          | ##   | 14/06/2013 | 0%       | <a href="#">RP-121436</a> | Huawei                  | .com                    |             |     |     |
| 238 | 238 | 570000    | <a href="#">Postponed - Study on Small Data Trans</a>     | FS_UTRA_    | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121156</a> | China Un                |                         |             |     |     |
| 239 | 239 | 570000    | <a href="#">Postponed - Study on DCH enhanceme</a>        | FS_UTRA_D   | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121170</a> | Qualcom                 |                         |             |     |     |
| 240 | 240 | 570000    | <a href="#">Postponed - Study on LTE and HSDPA (</a>      | FS_LTE_HSL  | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121181</a> | Nokia Sie               |                         |             |     |     |
| 241 | 241 | 570000    | <a href="#">Postponed - Study on 3D-channel mode</a>      | FS_LTE_     | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121412</a> | Nokia Sie               |                         |             |     |     |
| 242 | 242 | 570000    | <a href="#">Postponed - Study on LTE Downlink En</a>      | FS_LTE_     | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121413</a> | Nokia Sie               |                         |             |     |     |
| 243 | 243 | 570000    | <a href="#">Postponed - Study on LTE Device to De</a>     | FS_LTE_D2L  | 1               | Rel-12  | R1,R2,F          | ##   | 07/09/2012 | 0%       | <a href="#">RP-121435</a> | Qualcom                 | vildar                  |             |     |     |
| 244 | 244 | 570000    | <a href="#">Postponed - Study on HSPA RRM Enh</a>         | FS_HSPA_R   | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121353</a> | China Un                |                         |             |     |     |
| 245 | 245 | 570000    | <a href="#">Postponed - Study on RAN Enhanceme</a>        | FS_HSPA_L   | 1               | Rel-12  | R3               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121196</a> | China Un                |                         |             |     |     |
| 246 | 246 | 570000    | <a href="#">Postponed - Study on next-generation S</a>    | FS_UTRA_L   | 1               | Rel-12  | R3               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121200</a> | Nokia Sie               |                         |             |     |     |
| 247 | 247 | 570000    | <a href="#">Postponed - Study on LTE extensions to</a>    | FS_LTE_feM  | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121201</a> | Nokia Sie               |                         |             |     |     |
| 248 | 248 | 570000    | <a href="#">Postponed - Study on Push to talk over</a>    | FS_LTE_     | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121211</a> | Alcatel-L               |                         |             |     |     |
| 249 | 249 | 570000    | <a href="#">Postponed - Study on WLAN/3GPP Rad</a>        | FS_UTRA_L   | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121228</a> | Intel                   |                         |             |     |     |
| 250 | 250 | 570000    | <a href="#">Postponed - Study on Further EUL Enha</a>     | FS_EDCH_ei  | 1               | Rel-12  | R2               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121248</a> | Ericsson                |                         |             |     |     |
| 251 | 251 | 570000    | <a href="#">Postponed - Study on Further Enhanced</a>     | FS_LTE_UE   | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121249</a> | Renesas                 |                         |             |     |     |
| 252 | 252 | 570000    | <a href="#">Postponed - Study on Full Dimension MI</a>    | FS_LTE_FD   | 1               | Rel-12  | R1               | ##   | 07/09/2012 | 0%       | <a href="#">RP-121410</a> | Samsung                 |                         |             |     |     |
| 253 | 253 | 570000    | <a href="#">Postponed - Study on Enhanced Interfer</a>    | FS_LTE_iSei | 1               | Rel-12  | R1,R2,F          | ##   | 06/12/2013 | 0%       | <a href="#">RP-121399</a> | Broadcor                | .com                    |             |     |     |
| 254 | 254 | 460025    | <a href="#">Deleted - Study on UICC/USIM enhancements</a> | FS_U2e      | 1               | Rel-12  | S1               | ##   | 07/03/2012 | 100%     | <a href="#">SP-090903</a> | Giesecke                | .com                    |             |     |     |
| 255 | 255 | 0         | <b>Release 11 Features</b>                                | -           | 1               | Rel-11  | SP,CP,C          | ##   | 07/12/2012 | 85%      | -                         | -                       | -                       |             |     |     |

| ID  | ID  | Jnique_IC | Name                                     | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|--|------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|---------------------------|-------------|-----|-----|
|     |     |           |  |            |                 |         |                  |      |            |          |                                |                         |                           | Jul         | Sep | Nov |
| 256 | 256 | 470051    | Advanced IP Interconnection of Service   | IPXS       | 1               | Rel-11  | S1,S2,C          | ##   | 07/12/2012 | 99%      | <a href="#">SP-100876</a>      | Telefónica              | .com                      |             |     |     |
| 262 | 262 | 480030    | System Improvements to Machine-Type      | SIMTC      | 1               | Rel-11  | S1,S2,S          | ##   | 12/12/2012 | 99%      | <a href="#">SP-110877</a>      | KPN                     | no.nl                     |             |     |     |
| 310 | 310 | 480031    | Unstructured Supplementary Service       | USSI       | 1               | Rel-11  | S1,C1,C          | ##   | 07/12/2012 | 95%      | <a href="#">SP-100408</a>      | Deutsche                | ile.at                    |             |     |     |
| 315 | 315 | 490031    | QoS Control Based on Subscriber Sp       | QoS_SSL    | 1               | Rel-11  | S1,S2,S          | ##   | 20/06/2012 | 100%     | <a href="#">SP-110519</a>      | Vodafone                | .com                      |             |     |     |
| 320 | 320 | 490032    | Optimized Service Charging and Alloc     | OSCAR      | 1               | Rel-11  | S1,S2            | ##   | 07/03/2012 | 100%     | <a href="#">SP-110347</a>      | Vodafone                | .com                      |             |     |     |
| 324 | 324 | 530021    | Inclusion of Media Resource Broker (     | MRB        | 1               | Rel-11  | C1,C3,II         | ##   | 07/12/2012 | 82%      | <a href="#">CP-120277</a>      | AT&T                    | com)                      |             |     |     |
| 330 | 330 | 500030    | Non Voice Emergency Services             | NOVES      | 1               | Rel-11  | S1,S2            | ##   | 07/03/2012 | 100%     | <a href="#">SP-100884</a>      | Qualcom                 | .com                      |             |     |     |
| 333 | 333 | 510047    | Support for 3GPP Voice Interworking      | VINE       | 1               | Rel-11  | S1,C1            | ##   | 07/12/2012 | 77%      | <a href="#">SP-110176</a>      | Tatara S                | com)                      |             |     |     |
| 337 | 337 | 520028    | Anonymous Call Rejection in the CS c     | ACR_CS     | 1               | Rel-11  | S1,C4,C          | ##   | 02/12/2011 | 100%     | <a href="#">SP-110421</a>      | Alcatel-L               | .com                      |             |     |     |
| 342 | 342 | 460026    | Support for BroadBand Forum Acces        | BBAI       | 1               | Rel-11  | S2,S1,C          | ##   | 07/12/2012 | 97%      | <a href="#">SP-120539</a>      | Ericsson                | .com                      |             |     |     |
| 368 | 368 | 480035    | Single Radio Voice Call Continuity (SR   | eMPS_SRVC  | 1               | Rel-11  | S2               | ##   | 14/12/2011 | 100%     | <a href="#">SP-110346</a>      | NTT DoC                 | o.jp)                     |             |     |     |
| 371 | 371 | 500026    | Single Radio Video Call Continuity for   | vSRVCC     | 1               | Rel-11  | S2,C1,C          | ##   | 15/06/2012 | 100%     | <a href="#">SP-100704</a>      | Samsung                 | .com                      |             |     |     |
| 377 | 377 | 480038    | Network Provided Location Informatic     | NWK-PL2IM  | 1               | Rel-11  | S2,S1,S          | ##   | 07/12/2012 | 99%      | <a href="#">SP-110631</a>      | T-Mobile                | o.uk                      |             |     |     |
| 386 | 386 | 500032    | Service Awareness and Privacy Policy     | SAPP       | 1               | Rel-11  | S2,S1,C          | ##   | 02/12/2011 | 100%     | <a href="#">SP-100882</a>      | Allot Cor               | com)                      |             |     |     |
| 390 | 390 | 500033    | VPLMN Autonomous CSG Roaming             | VCSG       | 1               | Rel-11  | S2,C4            | ##   | 07/09/2012 | 100%     | <a href="#">SP-100706</a>      | Qualcom                 | com)                      |             |     |     |
| 393 | 393 | 510048    | Data Identification in Access Network    | DIDA       | 1               | Rel-11  | S2,C1            | ##   | 07/12/2012 | 96%      | <a href="#">SP-110084</a>      | Qualcom                 | com)                      |             |     |     |
| 397 | 397 | 510050    | Location-Based Selection of gateWay      | LOBSTER    | 1               | Rel-11  | S2,C4            | ##   | 15/06/2012 | 100%     | <a href="#">SP-110752</a>      | ZTE                     | m.cn                      |             |     |     |
| 402 | 402 | 530001    | Single Radio Voice Call Continuity fro   | rSRVCC     | 1               | Rel-11  | S2,C1,C          | ##   | 07/12/2012 | 86%      | <a href="#">SP-110475</a>      | Orange                  | .com                      |             |     |     |
| 411 | 411 | 530046    | S2a Mobility based On GTP and WLAN       | SaMOG_WL   | 1               | Rel-11  | S2,C4,C          | ##   | 07/12/2012 | 89%      | <a href="#">SP-110642</a>      | ZTE                     | n.cn)                     |             |     |     |
| 418 | 418 | 540029    | Roaming Architecture for Voice over I    | RAVEL      | 1               | Rel-11  | S2,S5,C          | ##   | 07/12/2012 | 92%      | <a href="#">SP-110885</a>      | Deutsche                | .com                      |             |     |     |
| 424 | 424 | 560027    | IMS Overload Control                     | IOC        | 1               | Rel-11  | S2,C1,C          | ##   | 07/12/2012 | 82%      | <a href="#">SP-120273</a>      | Orange, Qing            |                           |             |     |     |
| 432 | 432 | 520030    | Rel-11 Security small Enhancements       | SEC11      | 1               | Rel-11  | S3               | ##   | 12/09/2012 | 100%     | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 433 | 433 | 440055    | ZUC EEA3 and EIA3 (new Encryption)       | EEA3_EIA3  | 1               | Rel-11  | S3,R5            | ##   | 07/09/2012 | 100%     | <a href="#">SP-090457</a>      | CATR                    | tr.cn)                    |             |     |     |
| 436 | 436 | 480039    | Specification of Protection against Un   | SPUCI      | 1               | Rel-11  | S3               | ##   | 07/03/2012 | 100%     | <a href="#">SP-100428</a>      | NEC                     | com)                      |             |     |     |
| 437 | 437 | 510053    | H(e)NB security features for UE mobil    | HNB_mob_Si | 1               | Rel-11  | S3               | ##   | 07/03/2012 | 100%     | <a href="#">SP-110025</a>      | Huawei                  | com)                      |             |     |     |
| 438 | 438 | 540012    | Generic Bootstrapping Architecture (G    | GBA-ext    | 1               | Rel-11  | S3,C4,C          | ##   | 07/09/2012 | 100%     | <a href="#">SP-110884</a>      | Nokia                   | .com                      |             |     |     |
| 443 | 443 | 520032    | Lawful Interception in the 3GPP Rel-1    | LI11       | 1               | Rel-11  | S3               | ##   | 20/06/2012 | 100%     | <a href="#">SP-110424</a>      | PIDS, Alc               | com                       |             |     |     |
| 444 | 444 | 520033    | Extensions of Acoustic Test Specifica    | Ext_ATS    | 1               | Rel-11  | S4               | ##   | 12/09/2012 | 100%     | <a href="#">SP-110309</a>      | Orange, (               | com)                      |             |     |     |
| 445 | 445 | 530048    | Enhancements to Multimedia: PSS, M       | EMM        | 1               | Rel-11  | S4               | ##   | 12/12/2012 | 84%      | <a href="#">SP-120025</a>      | Qualcom                 | com)                      |             |     |     |
| 449 | 449 | 560041    | Mobile 3D Video Coding                   | M3DV       | 1               | Rel-11  | S4               | ##   | 12/09/2012 | 100%     | <a href="#">SP-120229</a>      | Orange                  | .com                      |             |     |     |
| 450 | 450 | 510051    | Rel-11 Operations, Administration, Ma    | OAM11      | 1               | Rel-11  | S5               | ##   | 12/12/2012 | 69%      | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 463 | 463 | 510052    | Rel-11 Charging Management small E       | CH11       | 1               | Rel-11  | S5               | ##   | 12/12/2012 | 92%      | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 467 | 467 | 510029    | Transit Inter Operator Identifier for IM | IOI_IMS_CH | 1               | Rel-11  | S5,S1,C          | ##   | 15/06/2012 | 100%     | <a href="#">SP-110132</a>      | Deutsche                | m.de                      |             |     |     |
| 471 | 471 | 480011    | User Data Convergence - Data Model       | UDC_DM     | 1               | Rel-11  | C4,S1            | ##   | 07/09/2012 | 100%     | <a href="#">CP-110384</a>      | Telecom                 | alia.it                   |             |     |     |
| 475 | 475 | 510004    | Definition of the UICC Application for   | HPM_UICC   | 1               | Rel-11  | C6               | ##   | 15/06/2012 | 100%     | <a href="#">CP-110289</a>      | Gemalto                 | .com                      |             |     |     |
| 476 | 476 | 520007    | Usability improvement of Inter-IMS Ne    | NNL_OI     | 1               | Rel-11  | C3               | ##   | 15/06/2012 | 100%     | <a href="#">CP-110533</a>      | NTT                     | .co.jp                    |             |     |     |
| 477 | 477 | 520008    | enhanced Nodes Restoration for EPC       | eNR_EPC    | 1               | Rel-11  | C4,C1,C          | ##   | 07/12/2012 | 73%      | <a href="#">CP-120449</a>      | ZTE                     | m.cn                      |             |     |     |
| 481 | 481 | 520009    | Reference Location Information           | RLI        | 1               | Rel-11  | C4,C1            | ##   | 16/09/2011 | 100%     | <a href="#">CP-110386</a>      | Huawei                  | .com                      |             |     |     |
| 484 | 484 | 520010    | IMS Stage 3 IETF Protocol Alignment      | IMSProtoc5 | 1               | Rel-11  | C1,C3            | ##   | 07/09/2012 | 100%     | <a href="#">CP-110437</a>      | Alcatel-L               | .com                      |             |     |     |
| 487 | 487 | 530003    | Service Identification for RRC Improv    | SIRIG      | 1               | Rel-11  | S2,C4,C          | ##   | 07/09/2012 | 100%     | <a href="#">CP-120033</a>      | China M                 | .com                      |             |     |     |
| 493 | 493 | 530018    | IMS Emergency PSAP Callback (Stage       | EMC_PC     | 1               | Rel-11  | C1,C3,II         | ##   | 07/12/2012 | 0%       | <a href="#">CP-110725</a>      | Ericsson                | .com                      |             |     |     |
| 497 | 497 | 530019    | SAE Protocol Development                 | SAES2      | 1               | Rel-11  | C1               | ##   | 07/09/2012 | 100%     | <a href="#">CP-110639</a>      | Nokia Si                | .com                      |             |     |     |
| 500 | 500 | 530020    | GCSMSC and GCR Redundancy for V          | RT_VGCS_R  | 1               | Rel-11  | C1,C4            | ##   | 07/09/2012 | 100%     | <a href="#">CP-120279</a>      | Nokia Si                | .com                      |             |     |     |

| ID  | ID  | Jnique_IC | Name                                   | Acronym      | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|--|--------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|---------------------------|-------------|-----|-----|
|     |     |           |  |              |                 |         |                  |      |            |          |                           |                         |                           | Jul         | Sep | Nov |
| 503 | 503 | 540015    | Support of RFC 6140 in IMS             | GINI         | 1               | Rel-11  | C1               | ##   | 07/09/2012 | 100%     | <a href="#">CP-110760</a> | Deutsche                | m.de                      |             |     |     |
| 504 | 504 | 540017    | Enhancements for Multimedia Priority   | eMPS_Gatew   | 1               | Rel-11  | C4,C3            | ##   | 07/09/2012 | 100%     | <a href="#">CP-110806</a> | Telcordia               | iaikh                     |             |     |     |
| 507 | 507 | 550007    | Inter-IMS Network to Network Interfac  | NNI_timers   | 1               | Rel-11  | C3               | ##   | 07/09/2012 | 100%     | <a href="#">CP-120082</a> | Telecom                 | alia.it                   |             |     |     |
| 508 | 508 | 560005    | AT commands for Universal Resource     | ATURI        | 1               | Rel-11  | C1               | ##   | 07/12/2012 | 30%      | <a href="#">CP-120275</a> | Intel                   | l.com                     |             |     |     |
| 509 | 509 | 560006    | PS Additional Number (Stage 3)         | PSAN         | 1               | Rel-11  | C4               | ##   | 07/09/2012 | 100%     | <a href="#">CP-120253</a> | Deutsche                | ile.at                    |             |     |     |
| 510 | 510 | 560007    | Generic IMS User Group Over Sh         | GenUG_Sh     | 1               | Rel-11  | C4               | ##   | 07/09/2012 | 100%     | <a href="#">CP-120254</a> | Alcatel-L               | t.com                     |             |     |     |
| 511 | 511 | 570010    | IMS Operator Determined Call Barring   | IODB         | 1               | Rel-11  | C1,C4            | ##   | 07/12/2012 | 0%       | <a href="#">CP-120685</a> | Orange                  | .com                      |             |     |     |
| 514 | 514 | 570011    | Enhanced T.38 FAX support (Stage 3)    | MMTel_T.38   | 1               | Rel-11  | C3,C1,C          | ##   | 07/12/2012 | 70%      | <a href="#">CP-120673</a> | NEC                     | com)                      |             |     |     |
| 518 | 518 | 510001    | Full Support of Multi-Operator Core N  | Full_MOCN-I  | 1               | Rel-11  | G2,S2,C          | ##   | 12/12/2012 | 84%      | <a href="#">GP-121090</a> | Alcatel-L               | .com                      |             |     |     |
| 525 | 525 | 540003    | Medium range/local area requirement:   | MRLA         | 1               | Rel-11  | G1               | ##   | 23/11/2012 | 95%      | <a href="#">GP-111780</a> | Ericsson                | tröm                      |             |     |     |
| 528 | 528 | 550023    | Domain Specific Access Control in G    | GDSAC        | 1               | Rel-11  | G2               | ##   | 31/08/2012 | 100%     | <a href="#">GP-120452</a> | Vodafone                | .com                      |             |     |     |
| 529 | 529 | 500020    | Extending 850 MHz Upper Band (814 -    | e850_UB      | 1               | Rel-11  | R4,R2,F          | ##   | 07/12/2012 | 98%      | <a href="#">RP-111396</a> | Sprint                  | .com                      |             |     |     |
| 533 | 533 | 530030    | Further Self Optimizing Networks (SO   | SONenh2_L1   | 1               | Rel-11  | R3,R2            | ##   | 07/12/2012 | 70%      | <a href="#">RP-120314</a> | Nokia Si                | .com                      |             |     |     |
| 535 | 535 | 530033    | Enhancement of Minimization of Drive   | eMDT_UMTS    | 1               | Rel-11  | R2,R1,F          | ##   | 07/12/2012 | 90%      | <a href="#">RP-121204</a> | MediaTel                | sson                      |             |     |     |
| 537 | 537 | 530037    | E-UTRA medium range and MSR medi       | medBS_clas   | 1               | Rel-11  | R4,G1            | ##   | 07/12/2012 | 54%      | <a href="#">RP-111383</a> | Ericsson                | .com                      |             |     |     |
| 541 | 541 | 550015    | RF Requirements for Multi-Band and I   | MB_MSR_RF    | 1               | Rel-11  | R4,G1            | ##   | 01/03/2013 | 22%      | <a href="#">RP-120857</a> | Huawei                  | com)                      |             |     |     |
| 544 | 544 | 550016    | Verification of radiated multi-antenna | HSPA_LTE_I   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 30%      | <a href="#">RP-120368</a> | Vodafone                | naya                      |             |     |     |
| 546 | 546 | 560013    | Further enhancements to H(e)NB mot     | EHNB_enh1    | 1               | Rel-11  | R3,R2            | ##   | 07/12/2012 | 40%      | <a href="#">RP-121427</a> | Alcatel-L               | .com                      |             |     |     |
| 548 | 548 | 560014    | Further enhancements to H(e)NB mot     | EHNB_enh2    | 1               | Rel-11  | R3,R2            | ##   | 07/12/2012 | 0%       | <a href="#">RP-121147</a> | Alcatel-L               | .com                      |             |     |     |
| 550 | 550 | 430011    | Network-Based Positioning Support in   | LCS_LTE-NE   | 1               | Rel-11  | R2,R1,F          | ##   | 07/12/2012 | 36%      | <a href="#">RP-120859</a> | TruePosi                | .com                      |             |     |     |
| 553 | 553 | 480026    | Service continuity improvements for I  | MBMS_LTE_    | 1               | Rel-11  | R2,R3            | ##   | 07/09/2012 | 100%     | <a href="#">RP-120258</a> | Huawei                  | com                       |             |     |     |
| 555 | 555 | 510021    | Further Enhanced Non CA-based ICIC     | eICIC_enh_L  | 1               | Rel-11  | R1,R2,F          | ##   | 07/12/2012 | 55%      | <a href="#">RP-120860</a> | China M                 | .com                      |             |     |     |
| 558 | 558 | 510028    | New Band LTE Downlink FDD 716-728      | LTE_DL_FDI   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 38%      | <a href="#">RP-110435</a> | AT&T                    | .com                      |             |     |     |
| 561 | 561 | 510031    | LTE RAN Enhancements for Diverse C     | LTE_eDDA     | 1               | Rel-11  | R2               | ##   | 07/12/2012 | 95%      | <a href="#">RP-120256</a> | Research                | com)                      |             |     |     |
| 563 | 563 | 510032    | LTE E850 - Lower Band for Region 2 (   | LTE_e850_L   | 1               | Rel-11  | R1,R2,F          | ##   | 07/12/2012 | 85%      | <a href="#">RP-120602</a> | NII Holdi               | .com                      |             |     |     |
| 567 | 567 | 520017    | LTE for 700 MHz Digital Dividend       | LTE_APAC7    | 1               | Rel-11  | R4,R2,F          | ##   | 01/03/2013 | 76%      | <a href="#">RP-110875</a> | Ericsson                | .com                      |             |     |     |
| 571 | 571 | 520019    | Relays for LTE (part 2)                | LTE_Relay2   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 86%      | <a href="#">RP-110914</a> | Ericsson                | om                        |             |     |     |
| 574 | 574 | 530031    | Signalling and Procedure for Interfere | SPIA_IDC_L'  | 1               | Rel-11  | R2,R4            | ##   | 07/12/2012 | 85%      | <a href="#">RP-111355</a> | China M                 | g HU                      |             |     |     |
| 577 | 577 | 530032    | Coordinated Multi-Point Operation for  | COMP_LTE     | 1               | Rel-11  | R1,R2,F          | ##   | 14/06/2013 | 40%      | <a href="#">RP-111365</a> | Samsun                  | .com                      |             |     |     |
| 582 | 582 | 530036    | Network Energy Saving for E-UTRAN      | Netw_Energ   | 1               | Rel-11  | R3               | ##   | 07/09/2012 | 100%     | <a href="#">RP-120620</a> | China M                 | .com                      |             |     |     |
| 585 | 585 | 540025    | Enhanced downlink control channel(s    | LTE_enh_dl   | 1               | Rel-11  | R1,R2,F          | ##   | 01/03/2013 | 31%      | <a href="#">RP-120871</a> | Alcatel-L               | t.com                     |             |     |     |
| 588 | 588 | 550012    | Public Safety Broadband High Power     | LTE_B14_PS   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 70%      | <a href="#">RP-120362</a> | Motorola                | .com                      |             |     |     |
| 590 | 590 | 550013    | Improved Minimum Performance Requi     | LTE_Interf_F | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 70%      | <a href="#">RP-120382</a> | Renesas                 | man                       |             |     |     |
| 592 | 592 | 550014    | Additional special subframe configura  | LTE_TDD_ac   | 1               | Rel-11  | R4,R2,F          | ##   | 07/09/2012 | 100%     | <a href="#">RP-120384</a> | China M                 | Shen                      |             |     |     |
| 594 | 594 | 480023    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B3    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 100%     | <a href="#">RP-120830</a> | TeliaSon                | .com                      |             |     |     |
| 597 | 597 | 500017    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B4    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 57%      | <a href="#">RP-121458</a> | AT&T                    | .com                      |             |     |     |
| 600 | 600 | 500018    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B4    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 47%      | <a href="#">RP-120905</a> | Ericsson                | .com                      |             |     |     |
| 603 | 603 | 510022    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B4    | 1               | Rel-11  | R4,R2            | ##   | 07/12/2012 | 45%      | <a href="#">RP-120877</a> | Leap Wir                | com)                      |             |     |     |
| 606 | 606 | 510023    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B5    | 1               | Rel-11  | R4,R2            | ##   | 07/12/2012 | 93%      | <a href="#">RP-120221</a> | US Cellu                | IANY                      |             |     |     |
| 609 | 609 | 510024    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B7    | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-120889</a> | Huawei                  | Chen                      |             |     |     |
| 612 | 612 | 510025    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B2    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 57%      | <a href="#">RP-110432</a> | AT&T                    | .com                      |             |     |     |
| 615 | 615 | 510026    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B4    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 22%      | <a href="#">RP-110433</a> | AT&T                    | .com                      |             |     |     |
| 618 | 618 | 510027    | LTE Advanced inter-band Carrier Agg    | LTE_CA_B5    | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 22%      | <a href="#">RP-110434</a> | AT&T                    | .com                      |             |     |     |



| ID  | ID  | Jnique_IC | Name  | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012   |     |     |
|-----|-----|-----------|---|-------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|---------------------------|---|-----|-----|
|     |     |           |   |             |                 |         |                  |      |            |          |                                |                         |                           | Jul   | Sep | Nov |
| 621 | 621 | 530023    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B3   | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-120887</a>      | Vodafone                | .com                      |    |     |     |
| 624 | 624 | 530024    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B8   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 25%      | <a href="#">RP-120888</a>      | Vodafone                | .com                      |    |     |     |
| 627 | 627 | 530025    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B1   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 40%      | <a href="#">RP-120904</a>      | China Te                | n.cn)                     |    |     |     |
| 630 | 630 | 530026    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B3   | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-120899</a>      | SK Telec                | Park                      |    |     |     |
| 633 | 633 | 530027    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B4   | 1               | Rel-11  | R4               | ##   | 07/12/2012 | 33%      | <a href="#">RP-121152</a>      | Rogers V                | .com                      |    |     |     |
| 636 | 636 | 540020    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B1   | 1               | Rel-11  | R4,R2            | ##   | 07/12/2012 | 45%      | <a href="#">RP-120898</a>      | KDDI                    | lbara                     |    |     |     |
| 639 | 639 | 540021    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B1   | 1               | Rel-11  | R4,R2            | ##   | 07/09/2012 | 100%     | <a href="#">RP-120892</a>      | KDDI                    | lbara                     |    |     |     |
| 642 | 642 | 540022    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B1   | 1               | Rel-11  | R4,R2            | ##   | 15/06/2012 | 100%     | <a href="#">RP-120866</a>      | NTT DoC                 | co.jp)                    |    |     |     |
| 645 | 645 | 540023    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B1   | 1               | Rel-11  | R4,R2            | ##   | 07/12/2012 | 100%     | <a href="#">RP-121173</a>      | NTT DoC                 | co.jp)                    |    |     |     |
| 648 | 648 | 550018    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B3   | 1               | Rel-11  | R4               | ##   | 14/06/2013 | 42%      | <a href="#">RP-121162</a>      | KT                      | com)                      |    |     |     |
| 651 | 651 | 510030    | <a href="#">LTE Carrier Aggregation Enhancemen</a>                    | LTE_CA_enl  | 1               | Rel-11  | R1,R2,F          | ##   | 01/03/2013 | 33%      | <a href="#">RP-120861</a>      | Nokia                   | .com                      |    |     |     |
| 654 | 654 | 520015    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B3l  | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-110862</a>      | Huawei                  | .com                      |    |     |     |
| 657 | 657 | 520016    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B4   | 1               | Rel-11  | R4               | ##   | 02/03/2012 | 100%     | <a href="#">RP-120249</a>      | Clearwir                | .com                      |    |     |     |
| 660 | 660 | 530028    | <a href="#">LTE Advanced inter-band Carrier Agg</a>                   | LTE_CA_B7   | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-121193</a>      | China Ur                | n.cn)                     |    |     |     |
| 663 | 663 | 570006    | <a href="#">UE Conformance Test Aspects – LTE</a>                     | LTE_CA_intr | 1               | Rel-11  | R5               | ##   | 13/09/2013 | 0%       | <a href="#">RP-121429</a>      | Nokia                   | .com                      |    |     |     |
| 664 | 664 | 450016    | <a href="#">UE Over The Air (Antenna) conforman</a>                   | UEAnt_FSTe  | 1               | Rel-11  | R4,R5            | ##   | 07/12/2012 | 97%      | <a href="#">RP-111381</a>      | CATR                    | com)                      |    |     |     |
| 667 | 667 | 500019    | <a href="#">Eight carrier HSDPA</a>                                   | 8C_HSDPA    | 1               | Rel-11  | R1,R2,F          | ##   | 07/12/2012 | 100%     | <a href="#">RP-101419</a>      | Ericsson                | .com                      |    |     |     |
| 670 | 670 | 500021    | <a href="#">UE demodulation performance require</a>                   | LCR_TDD_U   | 1               | Rel-11  | R4,R5            | ##   | 02/03/2012 | 100%     | <a href="#">RP-111244</a>      | China M                 | com)                      |    |     |     |
| 673 | 673 | 500022    | <a href="#">Uplink Transmit Diversity for HSPA</a>                    | HSPA_UL_T   | 1               | Rel-11  | R1,R4,F          | ##   | 07/12/2012 | 86%      | <a href="#">RP-120367</a>      | Huawei                  | .com                      |    |     |     |
| 678 | 678 | 510018    | <a href="#">Introduction of New Configuration for</a>                 | 4C_HSDPA_   | 1               | Rel-11  | R4,R2            | ##   | 15/06/2012 | 100%     | <a href="#">RP-110308</a>      | Telus Co                | im                        |    |     |     |
| 681 | 681 | 510019    | <a href="#">Non-contiguous 4C-HSDPA operation</a>                     | NC_4C_HSD   | 1               | Rel-11  | R4,R2,F          | ##   | 07/12/2012 | 77%      | <a href="#">RP-110416</a>      | Ericsson                | .com                      |    |     |     |
| 684 | 684 | 510020    | <a href="#">Further Enhancements to CELL_FACH</a>                     | Cell_FACH_  | 1               | Rel-11  | R1,R2,F          | ##   | 07/12/2012 | 64%      | <a href="#">RP-111321</a>      | Qualcom                 | arwal                     |    |     |     |
| 687 | 687 | 530034    | <a href="#">HSDPA Multiflow Data Transmission</a>                     | HSDPA_MFT   | 1               | Rel-11  | R2,R1,F          | ##   | 01/03/2013 | 57%      | <a href="#">RP-111375</a>      | Nokia Sir               | enko                      |    |     |     |
| 690 | 690 | 530035    | <a href="#">Four Branch MIMO transmission for H</a>                   | 4Tx_HSDPA   | 1               | Rel-11  | R1,R2,F          | ##   | 01/03/2013 | 42%      | <a href="#">RP-111393</a>      | Ericsson                | .com                      |    |     |     |
| 693 | 693 | 540009    | <a href="#">MIMO with 64QAM for HSUPA</a>                             | MIMO_64QA   | 1               | Rel-11  | R1,R2,F          | ##   | 14/06/2013 | 39%      | <a href="#">RP-111642</a>      | Nokia Sir               | i-aho                     |    |     |     |
| 696 | 696 | 540024    | <a href="#">HSDPA Dual-Band Multi-Carrier comb</a>                    | HSDPA_DB_   | 1               | Rel-11  | R4,R2            | ##   | 07/09/2012 | 100%     | <a href="#">RP-111746</a>      | Ericsson                | .com                      |    |     |     |
| 699 | 699 | 480004    | <a href="#">(Small) Technical Enhancements and</a>                    | TEI11       | 1               | Rel-11  | All              | ##   | 12/09/2012 | 100%     | <a href="#">not applicable</a> | -                       | -                         |    |     |     |
| 700 | 700 | 560001    | <a href="#">Test - (Small) Technical Enhancement</a>                  | TEI11_Test  | 1               | Rel-11  | R5,G3n           | ##   | 11/12/2013 | 100%     | <a href="#">not applicable</a> | -                       | -                         |  |     |     |
| 701 | 701 | 571004    | <a href="#">(IETF) (Small) Technical Enhancemen</a>                   | TEI11       | 1               | Rel-11  | C4-IETF          | ##   | 07/12/2012 | 25%      | <a href="#">not applicable</a> | Lionel Mc               | -                         |  |     |     |
| 702 | 702 | 540016    | <a href="#">Deleted - Enhancement of the Protocols for SMS over S</a> | PROTODC_S   | 1               | Rel-11  | C4,C1            | ##   | 15/06/2012 | 100%     | <a href="#">CP-120034</a>      | Alcate-Lt               | .com                      |  |     |     |
| 706 | 706 | 0         | <a href="#">Release 11 Studies</a>                                    | -           | 1               | Rel-11  | SP,CP,C          | ##   | 07/12/2012 | 100%     | -                              | -                       | -                         |  |     |     |
| 707 | 707 | 450047    | <a href="#">Study on IMS based Peer-to-Peer Con</a>                   | FS_IMS_P2P  | 1               | Rel-11  | S1,S2            | ##   | 10/06/2010 | 100%     | <a href="#">SP-090491</a>      | China Mo                | .com)                     |  |     |     |
| 708 | 708 | 460024    | <a href="#">Study on Non Voice Emergency Servi</a>                    | FS_NOVES    | 1               | Rel-11  | S1               | ##   | 21/09/2011 | 100%     | <a href="#">SP-090897</a>      | Qualcom                 | .com)                     |  |     |     |
| 709 | 709 | 480033    | <a href="#">Study on Support for 3GPP Voice Inte</a>                  | FS_VINE     | 1               | Rel-11  | S1,S2            | ##   | 23/03/2011 | 100%     | <a href="#">SP-100411</a>      | Tatara Sy               | .com)                     |  |     |     |
| 710 | 710 | 490033    | <a href="#">Study on IMS Network-Independent P</a>                    | FS_INIPUI   | 1               | Rel-11  | S1               | ##   | 08/06/2011 | 100%     | <a href="#">SP-100652</a>      | Vodafone                | .com)                     |  |     |     |
| 711 | 711 | 410041    | <a href="#">Study on IMS Evolution</a>                                | FS_eIMS     | 1               | Rel-11  | S2               | ##   | 14/12/2011 | 100%     | <a href="#">SP-100360</a>      | China Mo                | .com)                     |  |     |     |
| 712 | 712 | 440047    | <a href="#">Study on Policy solutions and enhanc</a>                  | FS_PP       | 1               | Rel-11  | S2,S1            | ##   | 08/06/2011 | 100%     | <a href="#">SP-090895</a>      | AT&T                    | .com)                     |  |     |     |
| 713 | 713 | 440048    | <a href="#">Study on IPv6 Migration</a>                               | FS_IP6M     | 1               | Rel-11  | S2               | ##   | 08/06/2011 | 100%     | <a href="#">SP-090362</a>      | China Mo                | .com)                     |  |     |     |
| 714 | 714 | 460030    | <a href="#">Study on Single Radio Voice Call Con</a>                  | FS_rSRVCC   | 1               | Rel-11  | S2               | ##   | 14/12/2011 | 100%     | <a href="#">SP-090806</a>      | Orange                  | .com)                     |  |     |     |
| 715 | 715 | 510044    | <a href="#">Study on Roaming Architecture for Vc</a>                  | FS_RAVEL    | 1               | Rel-11  | S2               | ##   | 14/12/2011 | 100%     | <a href="#">SP-110087</a>      | Deutsche                | .com)                     |  |     |     |
| 716 | 716 | 380084    | <a href="#">Study on UTRAN key management en</a>                      | FS_UKM      | 1               | Rel-11  | S3               | ##   | 07/03/2012 | 100%     | <a href="#">SP-090283</a>      | Ericsson                | .com)                     |  |     |     |
| 717 | 717 | 480048    | <a href="#">Study on Single Sign On (SSO) Applic</a>                  | FS_SSO_AP   | 1               | Rel-11  | S3               | ##   | 20/06/2012 | 100%     | <a href="#">SP-100639</a>      | Nokia                   | .com)                     |  |     |     |
| 718 | 718 | 520036    | <a href="#">Study on Mobile 3D Video Coding</a>                       | FS_M3DVC    | 1               | Rel-11  | S4               | ##   | 20/06/2012 | 100%     | <a href="#">SP-110310</a>      | Orange                  | .com)                     |  |     |     |

| ID  | ID  | Jnique_IC | Name   | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|--|-------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|---------------------------|-------------|-----|-----|
|     |     |           |  |             |                 |         |                  |      |            |          |                           |                         |                           | Jul         | Sep | Nov |
| 719 | 719 | 480047    | Study on Management of Converged I             | FS_ManCon   | 1               | Rel-11  | S5               | ##   | 12/09/2012 | 100%     | <a href="#">SP-100377</a> | Nokia Sie               | .com                      |             |     |     |
| 720 | 720 | 490039    | Study on User Data Convergence (UD             | FS_UDC_Ap   | 1               | Rel-11  | S5               | ##   | 14/12/2011 | 100%     | <a href="#">SP-110127</a> | Alcatel-L               | .com                      |             |     |     |
| 721 | 721 | 510045    | Study on OAM aspects of inter-RAT E            | FS_OAM_ES   | 1               | Rel-11  | S5               | ##   | 14/12/2011 | 100%     | <a href="#">SP-110138</a> | Nokia Sie               | .com                      |             |     |     |
| 722 | 722 | 480015    | Study on impacts on UE-Core Networ             | FS_UE-CN_E  | 1               | Rel-11  | C1               | ##   | 03/06/2011 | 100%     | <a href="#">CP-100330</a> | NEC                     | .eu                       |             |     |     |
| 723 | 723 | 490014    | Study on EPC Nodes Restoration                 | FS_EPC_NR   | 1               | Rel-11  | C4               | ##   | 07/12/2012 | 95%      | <a href="#">CP-100700</a> | ZTE                     | .m.cn                     |             |     |     |
| 724 | 724 | 480003    | Study on Signal Precoding enhancem             | FS_SPEED    | 1               | Rel-11  | G1,G2            | ##   | 02/03/2012 | 100%     | <a href="#">GP-111281</a> | Ericsson                | .com                      |             |     |     |
| 725 | 725 | 520001    | Study on Voice services over Adaptiv           | FS_eVAMOS   | 1               | Rel-12  | GP,G2,C          | ##   | 23/11/2012 | 35%      | <a href="#">GP-110991</a> | China Mo                | .com                      |             |     |     |
| 726 | 726 | 470014    | Study on Coordinated Multi-Point ope           | FS_CoMP_L   | 1               | Rel-11  | R1,R2,F          | ##   | 16/09/2011 | 100%     | <a href="#">RP-101425</a> | Samsung                 | .com                      |             |     |     |
| 727 | 727 | 480028    | Study on Signalling and procedure fo           | FS_SPIA_IDC | 1               | Rel-11  | R2,R4            | ##   | 16/09/2011 | 100%     | <a href="#">RP-100671</a> | China Mo                | .com                      |             |     |     |
| 728 | 728 | 510034    | Study on HetNet mobility enhancemen            | FS_HetNet_e | 1               | Rel-11  | R2,R1,F          | ##   | 07/09/2012 | 100%     | <a href="#">RP-110709</a> | Alcatel-L               | .com                      |             |     |     |
| 729 | 729 | 510037    | Study on further Downlink MIMO enh             | FS_LTE_eDL  | 1               | Rel-11  | R1               | ##   | 09/12/2011 | 100%     | <a href="#">RP-111366</a> | Alcatel-L               | .com                      |             |     |     |
| 730 | 730 | 510039    | Study on Further Enhancements to L             | FS_LTE_TDC  | 1               | Rel-11  | R1,R4            | ##   | 15/06/2012 | 100%     | <a href="#">RP-110450</a> | CATT                    | .cn                       |             |     |     |
| 731 | 731 | 530053    | Study on LTE Coverage Enhancement              | FS_Cov_Enh  | 1               | Rel-11  | R1,R2            | ##   | 15/06/2012 | 100%     | <a href="#">RP-120225</a> | China Tel               | .cn                       |             |     |     |
| 732 | 732 | 530055    | Study on Enhanced performance requ             | FS_enh_perf | 1               | Rel-11  | R4,R1            | ##   | 02/03/2012 | 100%     | <a href="#">RP-111378</a> | NTT DoC                 | .agae                     |             |     |     |
| 733 | 733 | 550022    | Study on Measurements of radio perf            | FS_LTE_OT   | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-120412</a> | CATR                    | .com                      |             |     |     |
| 734 | 734 | 430020    | Study on Measurement of Radiated Po            | FS_HSPA_L1  | 1               | Rel-11  | R4               | ##   | 02/03/2012 | 100%     | <a href="#">RP-111754</a> | Vodafone                | .com                      |             |     |     |
| 735 | 735 | 440016    | Study on Extending 850 MHz                     | FS_e850     | 1               | Rel-11  | R4               | ##   | 07/09/2012 | 100%     | <a href="#">RP-090666</a> | Ericsson                | .com                      |             |     |     |
| 736 | 736 | 450015    | Study on RAN improvements for Mac              | FS_NIMTC_F  | 1               | Rel-11  | R2,R1,F          | ##   | 16/09/2011 | 100%     | <a href="#">RP-100330</a> | Huawei                  | .com                      |             |     |     |
| 737 | 737 | 500002    | Study on UE Application Layer Data T           | FS_UE_App   | 1               | Rel-11  | R5,R4            | ##   | 09/12/2011 | 100%     | <a href="#">RP-101422</a> | Spirent                 | .com                      |             |     |     |
| 738 | 738 | 510036    | Study on further enhancements for HI           | FS_EHNB_er  | 1               | Rel-11  | R3,R2            | ##   | 15/06/2012 | 100%     | <a href="#">RP-120373</a> | Alcatel-L               | .com                      |             |     |     |
| 739 | 739 | 510038    | Study on Interference analysis betwe           | FS_B800_B9  | 1               | Rel-11  | R4               | ##   | 15/06/2012 | 100%     | <a href="#">RP-111752</a> | LG Uplus                | .kr                       |             |     |     |
| 740 | 740 | 520018    | Study on UMTS/LTE in 900 MHz band              | FS_UTRA_L1  | 1               | Rel-11  | R4               | ##   | 15/06/2012 | 100%     | <a href="#">RP-120617</a> | NTT DoC                 | .jp                       |             |     |     |
| 741 | 741 | 500014    | Study on Uplink MIMO                           | FS_UTRA_UI  | 1               | Rel-11  | R1               | ##   | 16/09/2011 | 100%     | <a href="#">RP-101432</a> | Qualcom                 | .wani                     |             |     |     |
| 742 | 742 | 500015    | Study on HSDPA Multipoint Transmis             | FS_HSDPA_I  | 1               | Rel-11  | R1,R2,F          | ##   | 16/09/2011 | 100%     | <a href="#">RP-101439</a> | Nokia Sie               | .com                      |             |     |     |
| 743 | 743 | 530057    | Study on UE Over The Air (OTA) test r          | FS_OTA_pha  | 1               | Rel-11  | R4,R5            | ##   | 07/09/2012 | 100%     | <a href="#">RP-120208</a> | Nokia                   | .com                      |             |     |     |
| 744 | 744 | 540026    | Study on HSPA feedback and signallin           | FS_LCRTDD   | 1               | Rel-11  | R1               | ##   | 07/09/2012 | 100%     | <a href="#">RP-111766</a> | TD Tech                 | .com                      |             |     |     |
| 745 | 745 | 510035    | Deleted - Study on Enhanced Uplink Transmissio | FS_eUL_TX   | 1               | Rel-11  | R1               | ##   | 15/06/2012 | 100%     | <a href="#">RP-120259</a> | Huawei                  | .Zhou                     |             |     |     |
| 746 | 746 | 0         | Release 10 Features                            | -           | 1               | Rel-10  | CP,GP,I          | ##   | 21/09/2011 | 100%     | -                         | -                       | -                         |             |     |     |
| 747 | 747 | 390073    | Enhancements for Multimedia Priority           | eMPS        | 1               | Rel-10  | S1,S2,C          | ##   | 18/03/2011 | 100%     | <a href="#">SP-080051</a> | Telcordia               | .com                      |             |     |     |
| 758 | 758 | 410030    | Network Improvements for Machine-T             | NIMTC       | 1               | Rel-10  | S1,S2,S          | ##   | 01/03/2013 | 89%      | <a href="#">SP-100863</a> | KPN                     | .nl                       |             |     |     |
| 773 | 773 | 430035    | Multi Access PDN Connectivity                  | MAPCON      | 1               | Rel-10  | S2,C4,C          | ##   | 18/03/2011 | 100%     | <a href="#">SP-090659</a> | Telecom                 | .alia.it                  |             |     |     |
| 779 | 779 | 440052    | IMS Service Continuity – Inter Device          | IMS_SC_eID  | 1               | Rel-10  | S1,S2,C          | ##   | 07/12/2012 | 88%      | <a href="#">SP-090452</a> | Huawei                  | .com                      |             |     |     |
| 784 | 784 | 450030    | IP-Short-Message-Gateway enhancem              | CPM-SMS     | 1               | Rel-10  | S1,S2,C          | ##   | 17/09/2010 | 100%     | <a href="#">SP-090615</a> | China M                 | .com                      |             |     |     |
| 788 | 788 | 450033    | Completion of Communications on N              | CCNL        | 1               | Rel-10  | S1,C1,C          | ##   | 18/03/2011 | 100%     | <a href="#">SP-090493</a> | Deutsche                | .inger                    |             |     |     |
| 792 | 792 | 450035    | Local IP Access and Selected Internet          | LIPA_SIPTO  | 1               | Rel-10  | S2,S1,S          | ##   | 23/03/2011 | 100%     | <a href="#">SP-110131</a> | Huawei,                 | .com                      |             |     |     |
| 806 | 806 | 450041    | IP Flow Mobility and seamless WLAN             | IFOM        | 1               | Rel-10  | S2,S1,S          | ##   | 23/03/2011 | 100%     | <a href="#">SP-100089</a> | Qualcom                 | .com                      |             |     |     |
| 813 | 813 | 450044    | Enabling Coder Selection and Rate Ac           | ECSRA_LAA   | 1               | Rel-10  | S2,S4,C          | ##   | 07/09/2012 | 100%     | <a href="#">SP-100467</a> | Qualcom                 | .com                      |             |     |     |
| 823 | 823 | 450053    | Extended H(e)NB features                       | EHNBF       | 1               | Rel-10  | S1,S2,S          | ##   | 23/09/2010 | 100%     | <a href="#">SP-100407</a> | NEC                     | .ab.eu                    |             |     |     |
| 827 | 827 | 460028    | Optimal Media Routing                          | OMR         | 1               | Rel-10  | S2,S5,C          | ##   | 08/06/2011 | 100%     | <a href="#">SP-090803</a> | Alcatel-L               | .com                      |             |     |     |
| 834 | 834 | 470026    | IMS Emergency Session Enhancement              | IESE        | 1               | Rel-10  | S1,S2,C          | ##   | 03/06/2011 | 100%     | <a href="#">SP-100170</a> | Deutsche                | .o.uk                     |             |     |     |
| 838 | 838 | 480037    | S2b Mobility based on GTP                      | SMOG        | 1               | Rel-10  | S2,C4,C          | ##   | 18/03/2011 | 100%     | <a href="#">SP-100357</a> | Alcatel-L               | .com                      |             |     |     |
| 844 | 844 | 500006    | Policy Enhancements for Sponsored (            | PEST        | 1               | Rel-10  | S2,C3            | ##   | 18/03/2011 | 100%     | <a href="#">SP-110196</a> | Qualcom                 | .com                      |             |     |     |
| 847 | 847 | 470029    | Lawful Interception in the 3GPP Rel-10         | LI10        | 1               | Rel-10  | S3               | ##   | 08/06/2011 | 100%     | <a href="#">SP-100108</a> | PIDS, BT                | .com                      |             |     |     |

| ID  | ID  | Jnique_IC | Name                                   | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|-----|-----|-----------|--|------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|-------------------------|-------------|-----|-----|
|     |     |           |  |            |                 |         |                  |      |            |          |                           |                         |                         | Jul         | Sep | Nov |
| 856 | 856 | 470033    | Optimization of IMS based PSS and M    | OPT_IMS_P  | 1               | Rel-10  | S4               | ##   | 23/03/2011 | 100%     | <a href="#">SP-100031</a> | Ericsson                | i.com                   |             |     |     |
| 857 | 857 | 470034    | HTTP-based Streaming and Downloa       | HTTP_SDS   | 1               | Rel-10  | S4,IETF          | ##   | 21/09/2011 | 100%     | <a href="#">SP-100032</a> | Qualcom                 | com)                    |             |     |     |
| 860 | 860 | 480040    | PSS and MBMS enhancements              | MBS_Enh    | 1               | Rel-10  | S4               | ##   | 23/03/2011 | 100%     | <a href="#">SP-100305</a> | Ericsson                | i.com                   |             |     |     |
| 861 | 861 | 480041    | Enhancements and Addition of Audio     | EAAAT      | 1               | Rel-10  | S4               | ##   | 08/06/2011 | 100%     | <a href="#">SP-100306</a> | Vodafone                | i.com                   |             |     |     |
| 862 | 862 | 510055    | Video Coding Enhancements in MTSI      | VCEM       | 1               | Rel-10  | S4               | ##   | 23/03/2011 | 100%     | <a href="#">SP-110050</a> | Ericsson                | i.com                   |             |     |     |
| 863 | 863 | 460031    | Rel-10 Operations, Administration, Ma  | OAM10      | 1               | Rel-10  | S5,C4            | ##   | 21/09/2011 | 100%     | <a href="#">TR 30.820</a> | -                       | -                       |             |     |     |
| 883 | 883 | 470044    | Rel-10 Charging Management small E     | CH10       | 1               | Rel-10  | S5               | ##   | 23/03/2011 | 100%     | <a href="#">TR 30.820</a> | -                       | -                       |             |     |     |
| 885 | 885 | 470046    | Advice of Charge (AoC) service supp    | eAoC       | 1               | Rel-10  | S5,C1            | ##   | 03/06/2011 | 100%     | <a href="#">SP-100080</a> | Deutsche                | m.de                    |             |     |     |
| 888 | 888 | 470003    | IMS Stage 3 IETF Protocol Alignment    | IMSProtoc4 | 1               | Rel-10  | C1               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100099</a> | Alcatel-Lt              | i.com                   |             |     |     |
| 889 | 889 | 480012    | Enhanced User Data Convergence (UI     | eUDC       | 1               | Rel-10  | C4               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100295</a> | China Mo                | .com)                   |             |     |     |
| 890 | 890 | 480014    | Further improvements of II-NNI Stage   | II-NNI2    | 1               | Rel-10  | C3               | ##   | 07/12/2012 | 86%      | <a href="#">CP-100326</a> | Orange                  | .com                    |             |     |     |
| 894 | 894 | 480013    | AT Commands for IMS-configuration      | AT_IMS     | 1               | Rel-10  | C1               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100376</a> | Ericsson                | i.com                   |             |     |     |
| 895 | 895 | 490011    | AT Commands for USIM Application T     | AT_UICC    | 1               | Rel-10  | C1               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100646</a> | ST-Erics                | om                      |             |     |     |
| 896 | 896 | 490012    | Communication Control for IMS by US    | CC_IMS_USI | 1               | Rel-10  | C6               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100647</a> | Gemalto                 | i.com                   |             |     |     |
| 897 | 897 | 500003    | Dynamic view of SIP message for Inte   | NNI_DV     | 1               | Rel-10  | C3               | ##   | 03/06/2011 | 100%     | <a href="#">CP-100795</a> | NTT                     | .co.jp                  |             |     |     |
| 898 | 898 | 500007    | Introduction of Smart Card Web Serve   | SCWS_L     | 1               | Rel-10  | C6               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100883</a> | Telecom                 | alia.it                 |             |     |     |
| 899 | 899 | 500008    | USAT using AT Commands                 | USAT_AT    | 1               | Rel-10  | C6               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100884</a> | Giesecke                | com                     |             |     |     |
| 900 | 900 | 500010    | Single Radio Voice Call Continuity (SR | eSRVCC     | 1               | Rel-10  | C1,C4,F          | ##   | 07/12/2012 | 81%      | <a href="#">CP-100881</a> | China M                 | com)                    |             |     |     |
| 904 | 904 | 500011    | Single Radio Voice Call Continuity (SR | aSRVCC     | 1               | Rel-10  | C1,R5            | ##   | 01/03/2013 | 50%      | <a href="#">CP-110145</a> | ZTE                     | m.cn                    |             |     |     |
| 907 | 907 | 500012    | PCRF failure and restoration           | PCRF_FR    | 1               | Rel-10  | C4,C3            | ##   | 18/03/2011 | 100%     | <a href="#">CP-100703</a> | NEC                     | com)                    |             |     |     |
| 910 | 910 | 510002    | Formalization of WLAN Files            | FoWF       | 1               | Rel-10  | C1               | ##   | 18/03/2011 | 100%     | <a href="#">CP-110288</a> | Deutsche                | m.de                    |             |     |     |
| 911 | 911 | 510007    | CS and IMS Interworking for CAT serv   | CIIC_ES    | 1               | Rel-10  | C3               | ##   | 03/06/2011 | 100%     | <a href="#">CP-110283</a> | ZTE                     | m.cn                    |             |     |     |
| 912 | 912 | 510008    | EPC Node Restoration without Idle m    | EPC_NR     | 1               | Rel-10  | C4               | ##   | 18/03/2011 | 100%     | <a href="#">CP-110092</a> | Alcatel-Lt              | i.com                   |             |     |     |
| 913 | 913 | 510108    | EPC Node Restoration with Idle mode    | EPC_NR_ISF | 1               | Rel-10  | C4               | ##   | 03/06/2011 | 100%     | <a href="#">CP-110287</a> | NEC                     | .com)                   |             |     |     |
| 914 | 914 | 510009    | Mobile Terminating Roaming Forward     | MTRF       | 1               | Rel-10  | C4               | ##   | 03/06/2011 | 100%     | <a href="#">CP-110093</a> | Ericsson                | i.com                   |             |     |     |
| 915 | 915 | 510010    | UICC access to IMS Specification       | IMS-UICC-S | 1               | Rel-10  | C6,C1            | ##   | 03/06/2011 | 100%     | <a href="#">CP-110279</a> | Gemalto                 | .com                    |             |     |     |
| 918 | 918 | 550006    | Testing for Terminal support of Rel-10 | USIM_R10_T | 1               | Rel-10  | C6               | ##   | 07/12/2012 | 40%      | <a href="#">CP-120396</a> | Gemalto                 | i.com                   |             |     |     |
| 919 | 919 | 440021    | CN aspects of Local Call Local Switch  | LCLS-CN    | 1               | Rel-10  | C4               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100867</a> | Vodafone                | i.com                   |             |     |     |
| 924 | 924 | 430001    | Local Call Local Switch                | LCLS       | 1               | Rel-10  | GP,G2            | ##   | 20/05/2011 | 100%     | <a href="#">GP-101989</a> | Huawei                  | com                     |             |     |     |
| 925 | 925 | 480002    | Tightened Link Level Performance Re    | TIGHTER    | 1               | Rel-10  | G1,G2,C          | ##   | 23/11/2012 | 82%      | <a href="#">GP-101083</a> | Renesas                 | .com                    |             |     |     |
| 929 | 929 | 490001    | Support of Multi-Operator Core Netw    | MOCN-GERA  | 1               | Rel-10  | G2,S2,C          | ##   | 04/03/2011 | 100%     | <a href="#">GP-101443</a> | Alcatel-L               | .com                    |             |     |     |
| 933 | 933 | 490002    | Enhancements of Iur-g interface        | elurg      | 1               | Rel-10  | G2,R3            | ##   | 03/06/2011 | 100%     | <a href="#">GP-101758</a> | China M                 | n.cn)                   |             |     |     |
| 936 | 936 | 380077    | 1.28 Mcps TDD Repeater                 | RANimp-Rep | 1               | Rel-10  | R4               | ##   | 19/03/2010 | 100%     | <a href="#">RP-071003</a> | RITT                    | i.com                   |             |     |     |
| 937 | 937 | 450019    | 1.28 Mcps TDD Multi-carrier HSUPA      | TDD_MC_HS  | 1               | Rel-10  | R1,R2,F          | ##   | 10/12/2010 | 100%     | <a href="#">RP-090990</a> | CATR                    | m.cn)                   |             |     |     |
| 938 | 938 | 460014    | 1.28 Mcps TDD Home NodeB RF requi      | HNB_LCRTD  | 1               | Rel-10  | R4               | ##   | 10/12/2010 | 100%     | <a href="#">RP-100607</a> | TD Tech                 | com)                    |             |     |     |
| 941 | 941 | 470012    | Multi-User Multiple-Input and Multiple | MUMIMO_LC  | 1               | Rel-10  | R1,R2,F          | ##   | 03/06/2011 | 100%     | <a href="#">RP-100347</a> | CATT                    | e.cn)                   |             |     |     |
| 944 | 944 | 450027    | AGNSS Minimum Performance for UT       | AGNSSPerf_ | 1               | Rel-10  | R4,R5            | ##   | 16/09/2011 | 100%     | <a href="#">RP-100363</a> | Thales                  | .com                    |             |     |     |
| 947 | 947 | 460005    | Inclusion of RF Pattern Matching Tech  | LCS_UMTS_  | 1               | Rel-10  | R2,R3            | ##   | 18/03/2011 | 100%     | <a href="#">RP-091427</a> | Polaris V               | com)                    |             |     |     |
| 949 | 949 | 460015    | Four carrier HSDPA                     | 4C_HSDPA   | 1               | Rel-10  | R1,R2,F          | ##   | 07/12/2012 | 86%      | <a href="#">RP-100991</a> | Qualcom                 | com)                    |             |     |     |
| 953 | 953 | 470013    | Performance Requirements for two-ar    | 2ant_UE_LC | 1               | Rel-10  | R4               | ##   | 03/06/2011 | 100%     | <a href="#">RP-100168</a> | TD Tech                 | i.com                   |             |     |     |
| 956 | 956 | 480020    | Automatic Neighbour Relation (ANR) i   | ANR_UTRAN  | 1               | Rel-10  | R3,R2,F          | ##   | 07/12/2012 | 94%      | <a href="#">RP-100688</a> | ZTE                     | m.cn                    |             |     |     |
| 959 | 959 | 480021    | Support of New Band Combinations f     | DB_DC_HSD  | 1               | Rel-10  | R4,R2            | ##   | 03/06/2011 | 100%     | <a href="#">RP-100657</a> | AT&T                    | com)                    |             |     |     |
| 962 | 962 | 480022    | MIMO operation with non-MIMO coexi     | MIMO_HSDP  | 1               | Rel-10  | R4,R5            | ##   | 02/03/2012 | 100%     | <a href="#">RP-100993</a> | Qualcom                 | i Lee                   |             |     |     |



| ID   | ID   | Jnique_IC | Name   | Acronym       | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|---------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |      |           |  |               |                 |         |                  |      |            |          |                                |                         |                           | Jul         | Sep | Nov |
| 966  | 966  | 490022    | Interfrequency detected set measuremen                 | Interf_dset_m | 1               | Rel-10  | R2,R4            | ##   | 10/12/2010 | 100%     | <a href="#">RP-101015</a>      | Nokia                   | i.com                     |             |     |     |
| 967  | 967  | 460007    | Carrier Aggregation for LTE                            | LTE_CA        | 1               | Rel-10  | R1,R2,F          | ##   | 07/12/2012 | 87%      | <a href="#">RP-100661</a>      | Nokia                   | i.com                     |             |     |     |
| 971  | 971  | 460008    | Enhanced Downlink Multiple Antenna                     | LTE_eDL_MI    | 1               | Rel-10  | R1,R2,F          | ##   | 14/06/2013 | 81%      | <a href="#">RP-100196</a>      | NTT DoC                 | com)                      |             |     |     |
| 975  | 975  | 460009    | Uplink Multiple Antenna Transmissior                   | LTE_UL_MIN    | 1               | Rel-10  | R1,R2,F          | ##   | 07/12/2012 | 95%      | <a href="#">RP-100959</a>      | Huawei                  | i.com                     |             |     |     |
| 979  | 979  | 460013    | Relays for LTE   | LTE_Relay     | 1               | Rel-10  | R1,R2,F          | ##   | 08/06/2011 | 100%     | <a href="#">RP-110911</a>      | Ericsson                | i.com                     |             |     |     |
| 987  | 987  | 470007    | Enhanced Inter-Cell Interference Cont                  | eICIC_LTE     | 1               | Rel-10  | R1,R2,F          | ##   | 07/12/2012 | 85%      | <a href="#">RP-100383</a>      | China M                 | com)                      |             |     |     |
| 991  | 991  | 470008    | LTE TDD in 2600MHz for US                              | LTE_TDD_2     | 1               | Rel-10  | R4,R2,F          | ##   | 10/12/2010 | 100%     | <a href="#">RP-101003</a>      | Clearwin                | i.com                     |             |     |     |
| 995  | 995  | 470009    | Adding 2 GHz band LTE FDD (Band 2)                     | S_Band_LTE    | 1               | Rel-10  | R2,R4,F          | ##   | 09/12/2011 | 100%     | <a href="#">RP-110775</a>      | DBSD                    | i.com                     |             |     |     |
| 999  | 999  | 470010    | Adding L-Band (Band 24) LTE for Anc                    | L_Band_LTE    | 1               | Rel-10  | R4,R2,F          | ##   | 16/09/2011 | 100%     | <a href="#">RP-101284</a>      | LightSqu                | i.com                     |             |     |     |
| 1003 | 1003 | 470011    | LTE Self Optimizing Networks (SON) e                   | SONenh_LTI    | 1               | Rel-10  | R3,R2,F          | ##   | 03/06/2011 | 100%     | <a href="#">RP-101004</a>      | Nokia Si                | i.com                     |             |     |     |
| 1005 | 1005 | 480027    | Further enhancements to MBMS for L                     | MBMS_LTE_     | 1               | Rel-10  | R2,R3,F          | ##   | 02/03/2012 | 100%     | <a href="#">RP-101244</a>      | Huawei                  | com)                      |             |     |     |
| 1008 | 1008 | 380173    | UMTS/LTE 3500 MHz                                      | Rinimp8-UM    | 1               | Rel-10  | R4,R2,F          | ##   | 07/12/2012 | 97%      | <a href="#">RP-091380</a>      | Ericsson                | i.com                     |             |     |     |
| 1012 | 1012 | 460003    | Minimization of Drive Tests for E-UTR                  | MDT_UMTSL     | 1               | Rel-10  | R2,R4,F          | ##   | 07/12/2012 | 77%      | <a href="#">RP-100360</a>      | Nokia Si                | i.com                     |             |     |     |
| 1015 | 1015 | 470005    | HNB and HeNB Mobility Enhancement                      | HNB_HENB_     | 1               | Rel-10  | R3,R2,F          | ##   | 07/12/2012 | 60%      | <a href="#">RP-110183</a>      | Alcatel-L               | i.com                     |             |     |     |
| 1018 | 1018 | 480024    | Expanded 1900 MHz Band for UTRA a                      | E1900         | 1               | Rel-10  | R4,R2,F          | ##   | 07/09/2012 | 100%     | <a href="#">RP-100676</a>      | Sprint                  | i.com                     |             |     |     |
| 1022 | 1022 | 480025    | Multi-standard radio Base Station RF                   | MSR_NC        | 1               | Rel-10  | R4,G1            | ##   | 25/11/2011 | 100%     | <a href="#">RP-101402</a>      | Ericsson                | i.com                     |             |     |     |
| 1027 | 1027 | 440044    | (Small) Technical Enhancements and                     | TEI10         | 1               | Rel-10  | All              | ##   | 23/03/2011 | 100%     | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 1028 | 1028 | 521004    | (IETF) (Small) Technical Enhancemen                    | TEI10         | 1               | Rel-10  | C1-IETF          | ##   | 07/12/2012 | 75%      | <a href="#">not applicable</a> | Andrew A                | -                         |             |     |     |
| 1029 | 1029 | 531001    | (IETF) (Small) Technical Enhancemen                    | TEI10         | 1               | Rel-10  | C1-IETF          | ##   | 29/07/2011 | 100%     | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 1030 | 1030 | 540004    | Test - (Small) Technical Enhancement                   | TEI10_Test    | 1               | Rel-10  | R5,G3n           | ##   | 07/12/2012 | 100%     | <a href="#">not applicable</a> | n/a                     |                           |             |     |     |
| 1031 | #### | 350014    | Deleted - Registration in Densely-populated area (RED) | RED           | 1               | Rel-10  | S1               | ##   | 24/09/2009 | 100%     | <a href="#">SP-070133</a>      | NTT DoC                 | co.jp                     |             |     |     |
| 1034 | #### | 380062    | Deleted - Network Selection for non-3GPP Access        | N3GtoNSP      | 1               | Rel-10  | S1,C6            | ##   | 24/09/2009 | 100%     | <a href="#">SP-070874</a>      | Telefónica              | i.com                     |             |     |     |
| 1037 | #### | 420025    | Deleted - GTP-based S8 chaining                        | GTPchaining   | 1               | Rel-10  | S2               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080798</a>      | Huawei                  | com)                      |             |     |     |
| 1039 | #### | 430017    | Deleted - UTRAN 2 ms TTI uplink range improvement      | RANimp-2mT    | 1               | Rel-10  | R1,R2,F          | ##   | 19/03/2010 | 100%     | <a href="#">RP-090333</a>      | Nokia Si                | com)                      |             |     |     |
| 1040 | #### | 440043    | Deleted - Enhanced Home NodeB / eNodeB continuation    | eHNB          | 1               | Rel-10  | S2               | ##   | 25/03/2010 | 100%     | <a href="#">not applicable</a> | Alcatel-Lt              | evon                      |             |     |     |
| 1041 | #### | 460010    | Deleted - Fixed Wireless Customer-Premises Equipmen    | FW_CPE_RF     | 1               | Rel-10  | R4,R5            | ##   | 03/06/2011 | 100%     | <a href="#">RP-091432</a>      | Verizon V               | i.com                     |             |     |     |
| 1044 | #### | 460012    | Deleted - Latency reductions for LTE                   | LTE_LATREL    | 1               | Rel-10  | R2,R1            | ##   | 10/12/2010 | 100%     | <a href="#">RP-091449</a>      | Ericsson                | i.com                     |             |     |     |
| 1046 | #### | 470006    | Deleted - Enhanced Interference Management for Home    | HNB_IM        | 1               | Rel-10  | R3               | ##   | 17/09/2010 | 100%     | <a href="#">RP-100392</a>      | Qualcom                 | com)                      |             |     |     |
| 1048 | 1048 | 0         | Release 10 Studies                                     | -             | 1               | Rel-10  | CP,GP,I          | ##   | 23/03/2011 | 100%     | -                              | -                       | -                         |             |     |     |
| 1049 | 1049 | 370045    | Study on enhanced voice service requ                   | FS_EV_EPS     | 1               | Rel-10  | S1,S4            | ##   | 25/03/2010 | 100%     | <a href="#">SP-070698</a>      | France T                | lippe                     |             |     |     |
| 1052 | 1052 | 380083    | Study on advanced requirements for I                   | FS_IPXS       | 1               | Rel-10  | S1               | ##   | 10/12/2009 | 100%     | <a href="#">SP-070878</a>      | Telefónica              | i.com                     |             |     |     |
| 1053 | 1053 | 410039    | Study on Personal Broadcast Service                    | FS_PBS        | 1               | Rel-10  | S1               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080504</a>      | ETRI                    | j Cho                     |             |     |     |
| 1054 | 1054 | 410040    | Study on LCS support in SAE for non-                   | FS_LCS_n3C    | 1               | Rel-10  | S1               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080648</a>      | SK Teleco               | i.com                     |             |     |     |
| 1055 | 1055 | 430030    | Study on Haptic Services                               | FS_Haptics    | 1               | Rel-10  | S1               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090664</a>      | SK Teleco               | i.com                     |             |     |     |
| 1056 | 1056 | 370050    | Study on System enhancements for t                     | FS_IMS_LBC    | 1               | Rel-10  | S2               | ##   | 10/12/2009 | 100%     | <a href="#">SP-080556</a>      | Telecom                 | i.com                     |             |     |     |
| 1057 | 1057 | 390055    | Study on Intra Domain Connection of                    | FS_IDC        | 1               | Rel-10  | S2               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080094</a>      | China Mo                | com)                      |             |     |     |
| 1058 | 1058 | 440049    | Study on Single Radio Voice Call Con                   | FS_eSRVCC     | 1               | Rel-10  | S2               | ##   | 23/09/2010 | 100%     | <a href="#">SP-090363</a>      | China Mo                | com)                      |             |     |     |
| 1059 | 1059 | 470048    | Study on Single Radio Video Call Con                   | FS_vSRVCC     | 1               | Rel-10  | S2               | ##   | 23/09/2010 | 100%     | <a href="#">SP-100168</a>      | Samsung                 | com)                      |             |     |     |
| 1060 | 1060 | 470049    | Study on S2b Mobility based on GTP                     | FS_SMOG       | 1               | Rel-10  | S2               | ##   | 10/06/2010 | 100%     | <a href="#">SP-100169</a>      | Alcatel-Lt              | i.com                     |             |     |     |
| 1061 | 1061 | 430040    | Study on Surround Sound codec exte                     | FS_SS_PSS_    | 1               | Rel-10  | S4               | ##   | 23/03/2011 | 100%     | <a href="#">SP-090019</a>      | Fraunhof                | er.de                     |             |     |     |
| 1062 | 1062 | 480044    | Study on Improved Video Coding Sup                     | FS_IVCS       | 1               | Rel-10  | S4               | ##   | 23/03/2011 | 100%     | <a href="#">SP-100304</a>      | Nokia, ET               | i.re.kr                   |             |     |     |
| 1063 | 1063 | 410044    | Study on Rc Reference Point Functio                    | FS_OAM_Rc     | 1               | Rel-10  | S5               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080464</a>      | Huawei                  | i.com                     |             |     |     |
| 1064 | 1064 | 430044    | Study on Telecommunication Manage                      | FS_OAM_ES     | 1               | Rel-10  | S5               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090048</a>      | Orange, V               | ange)                     |             |     |     |

| ID   | ID   | Jnique_IC | Name  | Acronym       | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|---|---------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |      |           |   |               |                 |         |                  |      |            |          |                                |                         |                           | Jul         | Sep | Nov |
| 1065 | 1065 | 440069    | <a href="#">Study on Integration of Device Manag</a>          | FS_IDMI_Itf-I | 1               | Rel-10  | S5               | ##   | 25/03/2010 | 100%     | <a href="#">SP-100088</a>      | Motorola                | i.com                     |             |     |     |
| 1066 | 1066 | 460037    | <a href="#">Study on Alignment of 3GPP Generic</a>            | FS_3GNRM_     | 1               | Rel-10  | S5               | ##   | 23/03/2011 | 100%     | <a href="#">SP-090759</a>      | Nokia Sie               | i.com                     |             |     |     |
| 1067 | 1067 | 460038    | <a href="#">Study on Harmonization of 3GPP Alar</a>           | FS_3G_TMF_    | 1               | Rel-10  | S5               | ##   | 23/03/2011 | 100%     | <a href="#">SP-090760</a>      | Nokia Sie               | i.com                     |             |     |     |
| 1068 | 1068 | 480045    | <a href="#">Study on Alarm Correlation and Alarm</a>          | FS_AC_ARC     | 1               | Rel-10  | S5               | ##   | 23/03/2011 | 100%     | <a href="#">SP-100775</a>      | Ericsson                | i.com                     |             |     |     |
| 1069 | 1069 | 480046    | <a href="#">Study on Alignment of 3GPP PM IRP a</a>           | FS_3G_TMF_    | 1               | Rel-10  | S5               | ##   | 23/03/2011 | 100%     | <a href="#">SP-100291</a>      | Alcatel-L               | i.com                     |             |     |     |
| 1070 | 1070 | 450013    | <a href="#">Study on Policy and Charging Rules F</a>          | FS_PCRF-F     | 1               | Rel-10  | C3               | ##   | 17/09/2010 | 100%     | <a href="#">CP-090861</a>      | NEC                     | b.eu                      |             |     |     |
| 1071 | 1071 | 480016    | <a href="#">Study on User Data Convergence (UD</a>            | FS_UDCe       | 1               | Rel-10  | C4               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100296</a>      | Alcatel-L               | i.com                     |             |     |     |
| 1072 | 1072 | 480017    | <a href="#">Study on UICC access to IMS</a>                   | FS_IMS-UIC    | 1               | Rel-10  | C6               | ##   | 18/03/2011 | 100%     | <a href="#">CP-100424</a>      | Gemalto                 | i.com                     |             |     |     |
| 1073 | 1073 | 450014    | <a href="#">Study on Uplink Tx Diversity for HSPA</a>         | FS_UL-TxDiv   | 1               | Rel-10  | R4               | ##   | 04/06/2010 | 100%     | <a href="#">RP-090987</a>      | Qualcom                 | i.com                     |             |     |     |
| 1074 | 1074 | 460016    | <a href="#">Study on Solutions for Energy Saving</a>          | FS_Energy_L   | 1               | Rel-10  | R1,R3            | ##   | 17/09/2010 | 100%     | <a href="#">RP-091439</a>      | Vodafone                | i.com                     |             |     |     |
| 1075 | 1075 | 470015    | <a href="#">Study on Potential solutions for energ</a>        | FS_Energy_L   | 1               | Rel-10  | R3,R2            | ##   | 03/06/2011 | 100%     | <a href="#">RP-100674</a>      | China Mo                | i.com                     |             |     |     |
| 1076 | 1076 | 470016    | <a href="#">Study on Improvements of distributed</a>          | FS_distr_ant  | 1               | Rel-10  | R1,R2,F          | ##   | 10/12/2010 | 100%     | <a href="#">RP-100178</a>      | ZTE                     | im.cn                     |             |     |     |
| 1077 | #### | 400037    | <i>Deleted - Study on Unauthenticated PS Emergency Call</i>   | FS_UAPSEC     | 1               | Rel-10  | S1               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080320</a>      | Nokia Sie               | erkei                     |             |     |     |
| 1078 | #### | 410042    | <i>Deleted - Study on enhancements to IMS border function</i> | FS_eIMS_IB    | 1               | Rel-10  | S2               | ##   | 15/12/2010 | 100%     | <a href="#">SP-090809</a>      | Starent N               | i.com                     |             |     |     |
| 1079 | #### | 440050    | <i>Deleted - Study on EPC Charging enhancement</i>            | FS_EPCchar    | 1               | Rel-10  | S5               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090318</a>      | Nokia Sie               | i.com                     |             |     |     |
| 1080 | #### | 450012    | <i>Deleted - Study on Interworking Proxy between GTP ba</i>   | FS_GTP-MIF    | 1               | Rel-10  | C4               | ##   | 04/06/2010 | 100%     | <a href="#">CP-090517</a>      | NTT DoC                 | i.com                     |             |     |     |
| 1081 | 1081 | 0         | <b>Release 9 Features</b>                                     | -             | 1               | Rel-9   | CP,GP,I          | ##   | 05/06/2008 | 100%     | -                              | -                       | -                         |             |     |     |
| 1082 | 1082 | 400035    | <a href="#">Enhanced Home NodeB / eNodeB</a>                  | EHNB          | 1               | Rel-9   | S1,S2,S          | ##   | 09/12/2011 | 100%     | <a href="#">SP-090214</a>      | T-Mobile                | ile.at                    |             |     |     |
| 1098 | 1098 | 370026    | <a href="#">Value-Added Services for Short Messa</a>          | VAS4SMS       | 1               | Rel-9   | S1,C4,C          | ##   | 04/12/2009 | 100%     | <a href="#">SP-070572</a>      | China M                 | i.com                     |             |     |     |
| 1102 | 1102 | 370027    | <a href="#">Definition of End-User Identity</a>               | EUI           | 1               | Rel-9   | S1               | ##   | 11/12/2008 | 100%     | <a href="#">SP-090380</a>      | Nokia Sie               | i.com                     |             |     |     |
| 1104 | 1104 | 380067    | <a href="#">Customized Ringing Signal</a>                     | CRS           | 1               | Rel-9   | S1,C1            | ##   | 03/12/2009 | 100%     | <a href="#">SP-080502</a>      | SK Telec                | obile)                    |             |     |     |
| 1107 | 1107 | 380057    | <a href="#">Public Warning System</a>                         | PWS           | 1               | Rel-9   | S1,C1,C          | ##   | 07/12/2012 | 98%      | <a href="#">SP-070876</a>      | T-Mobile                | i.com                     |             |     |     |
| 1114 | 1114 | 400031    | <a href="#">Support of Personal Area Networks ar</a>          | PAN_EPNM      | 1               | Rel-9   | S1,C1            | ##   | 04/06/2010 | 100%     | <a href="#">SP-080430</a>      | Vodafone                | i.com                     |             |     |     |
| 1118 | 1118 | 400032    | <a href="#">Multi-Media Telephony Service enhan</a>           | eMMTel        | 1               | Rel-9   | S1,S5,C          | ##   | 25/03/2010 | 100%     | <a href="#">SP-080503</a>      | France T                | ottin                     |             |     |     |
| 1123 | 1123 | 400034    | <a href="#">User Data Convergence (UDC)</a>                   | UDC           | 1               | Rel-9   | S1,S5,C          | ##   | 10/06/2010 | 100%     | <a href="#">SP-080448</a>      | Nokia Sie               | om                        |             |     |     |
| 1130 | 1130 | 410032    | <a href="#">IMS Services Centralization and Conti</a>         | IMS_SCC       | 1               | Rel-9   | S1,S2,C          | ##   | 19/03/2010 | 100%     | <a href="#">SP-080633</a>      | NEC                     | b.eu)                     |             |     |     |
| 1137 | 1137 | 420020    | <a href="#">Service Specific Access Control in EP</a>         | SSAC          | 1               | Rel-9   | S1,C1,F          | ##   | 15/06/2012 | 100%     | <a href="#">SP-080882</a>      | NTT DoC                 | i.com                     |             |     |     |
| 1141 | 1141 | 380064    | <a href="#">Support for IMS Emergency Calls over</a>          | IMS_EMER_I    | 1               | Rel-9   | S1,S2,S          | ##   | 20/09/2012 | 100%     | <a href="#">SP-080844</a>      | Alcatel-L               | rclay                     |             |     |     |
| 1159 | 1159 | 430006    | <a href="#">LCS for LTE and EPS</a>                           | LCS_LTE_EI    | 1               | Rel-9   | S2,C1,C          | ##   | 02/03/2012 | 100%     | <a href="#">not applicable</a> | -                       | -                         |             |     |     |
| 1166 | 1166 | 400039    | <a href="#">MBMS support in EPS</a>                           | MBMS_EPS      | 1               | Rel-9   | S2,S3,S          | ##   | 09/12/2011 | 100%     | <a href="#">SP-080737</a>      | China M                 | i.com                     |             |     |     |
| 1174 | 1174 | 420024    | <a href="#">Access Network Discovery and Select</a>           | eANDSF        | 1               | Rel-9   | S2,C1            | ##   | 19/03/2010 | 100%     | <a href="#">SP-080887</a>      | Motorola                | i.com                     |             |     |     |
| 1177 | 1177 | 430034    | <a href="#">Multiple PDN Connection to the Same</a>           | MUPSAP        | 1               | Rel-9   | S2,C4,C          | ##   | 19/03/2010 | 100%     | <a href="#">SP-090098</a>      | Samsung                 | i.com                     |             |     |     |
| 1181 | 1181 | 450049    | <a href="#">System aspects of vocoder rate adapt</a>          | LTEimp-Voc    | 1               | Rel-9   | S2,S4,C          | ##   | 12/09/2012 | 100%     | <a href="#">SP-090653</a>      | Qualcom                 | i.com                     |             |     |     |
| 1187 | 1187 | 33025     | <a href="#">Access Security Enhancements</a>                  | ACCSEC2       | 1               | Rel-9   | S3               | ##   | 04/06/2009 | 100%     | <a href="#">SP-040865</a>      | Ericsson                | i.com                     |             |     |     |
| 1188 | 1188 | 410027    | <a href="#">Protection against Unsolicited Comm</a>           | PUCI          | 1               | Rel-9   | S3,S1            | ##   | 10/12/2009 | 100%     | <a href="#">SP-080482</a>      | NEC                     | i.com)                    |             |     |     |
| 1191 | 1191 | 430036    | <a href="#">IMS Media Plane Security</a>                      | MEDIASEC      | 1               | Rel-9   | S3,C1,C          | ##   | 12/09/2012 | 100%     | <a href="#">SP-090128</a>      | Vodafone                | i.com                     |             |     |     |
| 1198 | 1198 | 440053    | <a href="#">GBAPush enhancements (Generic pu</a>              | eGBAPush      | 1               | Rel-9   | S3               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090282</a>      | Ericsson                | Blom                      |             |     |     |
| 1200 | 1200 | 440054    | <a href="#">Extended Identity Management</a>                  | GBA-IdM       | 1               | Rel-9   | S3               | ##   | 10/12/2009 | 100%     | <a href="#">SP-090284</a>      | Nokia                   | i.com                     |             |     |     |
| 1201 | 1201 | 440056    | <a href="#">Network Domain Security (NDS) enha</a>            | NDS_Backh     | 1               | Rel-9   | S3,C4,II         | ##   | 07/12/2012 | 97%      | <a href="#">SP-090286</a>      | Vodafone                | i.com                     |             |     |     |
| 1205 | 1205 | 440057    | <a href="#">128 bit encryption for GSM and GPRS</a>           | A5/4-GEA4     | 1               | Rel-9   | S3,C1,C          | ##   | 10/12/2009 | 100%     | <a href="#">SP-090287</a>      | Ericsson                | rman                      |             |     |     |
| 1212 | 1212 | 420027    | <a href="#">Timed Graphics</a>                                | TG            | 1               | Rel-9   | S4               | ##   | 25/03/2010 | 100%     | <a href="#">SP-080683</a>      | Ericsson                | i.com                     |             |     |     |
| 1213 | 1213 | 430037    | <a href="#">Managing MTSI Media Adaptation</a>                | M3A           | 1               | Rel-9   | S4               | ##   | 10/12/2009 | 100%     | <a href="#">SP-090021</a>      | Samsung                 | j.com                     |             |     |     |
| 1214 | 1214 | 440046    | <a href="#">PSS and MBMS Aspects</a>                          | PMA           | 1               | Rel-9   | S4               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090261</a>      | Ericsson,               | i.com                     |             |     |     |

| ID   | ID   | Jnique_IC | Name  | Acronym      | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>porteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|---|--------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |   |              |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 1217 | 1217 | 430046    | IMS based PSS and MBMS User Servi                       | IMS_PSS_Mf   | 1               | Rel-9   | S4               | ##   | 10/12/2009 | 100%     | <a href="#">SP-090225</a>      | Ericsson                | i.com                   |             |     |     |
| 1218 | 1218 | 440051    | Syndicated Feed Reception within 3G                     | SFR          | 1               | Rel-9   | S4               | ##   | 10/12/2009 | 100%     | <a href="#">SP-090260</a>      | Ericsson                | i.com                   |             |     |     |
| 1219 | 1219 | 450048    | Distortion Measurement Test Methods                     | DTMR         | 1               | Rel-9   | S4               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090575</a>      | Motorola                | .com)                   |             |     |     |
| 1220 | 1220 | 420029    | Rel-9 Operations, Administration, Mai                   | OAM9         | 1               | Rel-9   | S5               | ##   | 10/06/2010 | 100%     | <a href="#">TR 30.819</a>      | -                       | -                       |             |     |     |
| 1234 | 1234 | 440068    | Rel-9 Charging Management small En                      | CH9          | 1               | Rel-9   | S5               | ##   | 25/03/2010 | 100%     | <a href="#">TR 30.819</a>      | -                       | -                       |             |     |     |
| 1235 | 1235 | 400008    | CS-IBCF and CS-TrGW definition in 3G                    | CS-IBCF      | 1               | Rel-9   | C3,C4            | ##   | 19/03/2010 | 100%     | <a href="#">CP-090073</a>      | Telecom                 | alia.it                 |             |     |     |
| 1238 | 1238 | 410008    | IMS – Interconnection Border Control                    | IMS_IBCF     | 1               | Rel-9   | C4,C3            | ##   | 04/12/2009 | 100%     | <a href="#">CP-090019</a>      | Alcatel-L               | ent.fr                  |             |     |     |
| 1241 | 1241 | 410009    | IMS Application Level Gateway Contr                     | IMS_AGCF     | 1               | Rel-9   | C4               | ##   | 04/12/2009 | 100%     | <a href="#">CP-090020</a>      | Alcatel-L               | ent.fr                  |             |     |     |
| 1242 | 1242 | 420016    | Enhancements of IMS Customized Al                       | eCAT         | 1               | Rel-9   | C1               | ##   | 04/06/2010 | 100%     | <a href="#">CP-080796</a>      | China M                 | ng Yi                   |             |     |     |
| 1244 | 1244 | 440017    | Completion of IMS Restoration Proce                     | eIMS_RP      | 1               | Rel-9   | C3, C4,          | ##   | 19/03/2010 | 100%     | <a href="#">CP-091050</a>      | Ericsson                | .com)                   |             |     |     |
| 1248 | 1248 | 440039    | IMS Stage 3 IETF Protocol Alignment                     | IMSProtoc3   | 1               | Rel-9   | C1,IETF          | ##   | 07/12/2012 | 79%      | <a href="#">CP-090491</a>      | Alcatel-L               | .com)                   |             |     |     |
| 1252 | 1252 | 440070    | Operational description of the Inter-IV                 | II-NNI       | 1               | Rel-9   | C3,IETF          | ##   | 07/12/2012 | 80%      | <a href="#">CP-090331</a>      | Orange                  | .com                    |             |     |     |
| 1260 | 1260 | 450005    | Definition of MI interface for Control F                | EMC2         | 1               | Rel-9   | C1               | ##   | 19/03/2010 | 100%     | <a href="#">CP-090746</a>      | Alcatel-L               | .com)                   |             |     |     |
| 1261 | 1261 | 450009    | PCC enhancements  | PCC-Enh      | 1               | Rel-9   | C3               | ##   | 04/12/2009 | 100%     | <a href="#">CP-090744</a>      | Huawei                  | .com)                   |             |     |     |
| 1262 | 1262 | 460004    | 3GPP IMS Conferencing Management                        | IMS_ConfMO   | 1               | Rel-9   | C1               | ##   | 04/12/2009 | 100%     | <a href="#">CP#46 Report</a>   | -                       | -                       |             |     |     |
| 1263 | 1263 | 470004    | In Case of Emergency (ICE) Graphics                     | ICE_Graphics | 1               | Rel-9   | C6               | ##   | 19/03/2010 | 100%     | <a href="#">CP-100178</a>      | Sagem-O                 | i.com                   |             |     |     |
| 1264 | 1264 | 410023    | Rel-9 Improvements of the Radio Inter                   | RlnImp9      | 1               | Rel-9   | RP,GP            | ##   | 19/03/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1273 | 1273 | 440006    | Rel-9 Improvements of the Radio Inter                   | RlnImp-UEC   | 1               | Rel-9   | R5               | ##   | 17/09/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1278 | 1278 | 450018    | Conformance Test Aspects – SMS over                     | SMSoverIMS   | 1               | Rel-9   | R5               | ##   | 19/03/2010 | 100%     | <a href="#">RP-090959</a>      | Alcatel-L               | .com)                   |             |     |     |
| 1279 | 1279 | 430013    | Rel-9 RAN improvements                                  | RANimp       | 1               | Rel-9   | RP               | ##   | 19/03/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1285 | 1285 | 490025    | Rel-9 RAN improvements - UE Confor                      | -            | 1               | Rel-9   | R5               | ##   | 07/12/2012 | 97%      | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1289 | 1289 | 420007    | LTE improvements  | LTEimp       | 1               | Rel-9   | R1,R2,F          | ##   | 03/06/2011 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1293 | 1293 | 420011    | Rel-9 Self-Organizing Networks (SON)                    | SON          | 1               | Rel-9   | R3,R2            | ##   | 19/03/2010 | 100%     | <a href="#">RP-090162</a>      | Nokia Sie               | i.com                   |             |     |     |
| 1294 | 1294 | 38002     | AGNSS Performances and Testing Pro                      | AGNSSPTP     | 1               | Rel-9   | G1,G3n           | ##   | 20/05/2011 | 100%     | <a href="#">GP-092342</a>      | Thales                  | .com                    |             |     |     |
| 1297 | 1297 | 420002    | Voice services over Adaptive Multi-us                   | VAMOS        | 1               | Rel-9   | GP,G1,           | ##   | 02/03/2012 | 100%     | <a href="#">GP-081949</a>      | Nokia Sir               | i.com                   |             |     |     |
| 1303 | 1303 | 440002    | Cell Broadcast protocol Base Station                    | CEBRO        | 1               | Rel-9   | GP,C1            | ##   | 19/03/2010 | 100%     | <a href="#">GP-091022</a>      | Ericsson                | .com                    |             |     |     |
| 1306 | 1306 | 440003    | Hybrid Location   | HILT         | 1               | Rel-9   | GP               | ##   | 20/11/2009 | 100%     | <a href="#">GP-091075</a>      | TruePosit               | .com)                   |             |     |     |
| 1307 | 1307 | 420099    | (Small) Technical Enhancements and                      | TEI9         | 1               | Rel-9   | All              | ##   | 10/12/2009 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1308 | 1308 | 460002    | Test - (Small) Technical Enhancement                    | TEI9_Test    | 1               | Rel-9   | R5,G3n           | ##   | 24/12/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1309 | #### | 330017    | Deleted - Services Alignment and Migration              | ServAl       | 1               | Rel-9   | S1               | ##   | 18/09/2008 | 100%     | <a href="#">SP-070126</a>      | Telefónica              | .com                    |             |     |     |
| 1311 | #### | 380071    | Deleted - Harmonization of Gq/Rx for Common IMS         | IMS_Comm_    | 1               | Rel-9   | S2               | ##   | 12/03/2009 | 100%     | <a href="#">SP-070822</a>      | Alcatel-L               | nt.be                   |             |     |     |
| 1312 | #### | 380081    | Deleted - Support of WiMAX - LTE Mobility               | WiMAX_LTE    | 1               | Rel-9   | R2               | ##   | 25/12/2009 | 100%     | <a href="#">RP-070511</a>      | Samsung                 | -                       |             |     |     |
| 1313 | #### | 380082    | Deleted - Support of WiMAX - UMTS Mobility              | WiMAX_UMT    | 1               | Rel-9   | R2               | ##   | 25/12/2009 | 100%     | <a href="#">RP-070511</a>      | Intel                   | -                       |             |     |     |
| 1314 | #### | 380086    | Deleted - Definition of 3GPP UICC services over the new | UICCCHS      | 1               | Rel-9   | C6               | ##   | 19/03/2010 | 100%     | <a href="#">CP-070837</a>      | Gemalto                 | i.com                   |             |     |     |
| 1315 | #### | 390040    | Deleted - SAES Enhancements (non RAN aspects)           | SAES_Ph2     | 1               | Rel-9   | S2               | ##   | 08/12/2008 | 100%     | -                              | Nokia Sie               | -                       |             |     |     |
| 1320 | #### | 440071    | Deleted - Lawful Interception in the 3GPP Rel-9         | LI9          | 1               | Rel-9   | S3               | ##   | 25/03/2010 | 100%     | <a href="#">SP-090831</a>      | PIDS, No                | Ryan                    |             |     |     |
| 1321 | 1321 | 0         | Release 9 Studies                                       | -            | 1               | Rel-9   | CP,RP,S          | ##   | 19/03/2010 | 100%     | -                              | -                       | -                       |             |     |     |
| 1322 | 1322 | 400036    | Study on Service Specific Access Cor                    | FS_SSAC      | 1               | Rel-9   | S1               | ##   | 11/12/2008 | 100%     | <a href="#">SP-080319</a>      | NTT DoC                 | co.jp)                  |             |     |     |
| 1323 | 1323 | 350052    | Study on CS Domain Services over EF                     | FS_CSoPS     | 1               | Rel-9   | S2               | ##   | 12/03/2009 | 100%     | <a href="#">SP-080800</a>      | T-Mobile                | le.net                  |             |     |     |
| 1324 | 1324 | 370043    | Study on Extended Support of IMS En                     | FS_IMS-eCal  | 1               | Rel-9   | S2               | ##   | 11/12/2008 | 100%     | <a href="#">SP-070547</a>      | Qualcom                 | Edge                    |             |     |     |
| 1325 | 1325 | 320031    | Study on Service Continuity for Emerg                   | FS_VCCEm     | 1               | Rel-9   | S2               | ##   | 12/03/2009 | 100%     | <a href="#">SP-080555</a>      | Nortel                  | .com)                   |             |     |     |
| 1326 | 1326 | 370053    | Study on Security Aspects of Remote                     | FS_UM2M      | 1               | Rel-9   | S3,C6            | ##   | 10/12/2009 | 100%     | <a href="#">SP-070702</a>      | Ericsson                | i.com                   |             |     |     |
| 1327 | 1327 | 360006    | Study on System Maintenance over It                     | FS_OAM-Mai   | 1               | Rel-9   | S5               | ##   | 24/09/2009 | 100%     | <a href="#">SP-070306</a>      | ZTE                     | m.cn)                   |             |     |     |

| ID   | ID    | Jnique_IC | Name  | Acronym      | Outline Level | Release | Resource Names | Itai | Finish     | % Complet | Hyperlink                      | WI apporteur name | WI apporteur e-mail | Qtr 3, 2012 |     |     |
|------|-------|-----------|---|--------------|---------------|---------|----------------|------|------------|-----------|--------------------------------|-------------------|---------------------|-------------|-----|-----|
|      |       |           |   |              |               |         |                |      |            |           |                                |                   |                     | Jul         | Sep | Nov |
| 1328 | 1328  | 360007    | <a href="#">Study on Self-Organizing Networks (SON)</a>           | FS_OAM-SO    | 1             | Rel-9   | S5             | ##   | 04/06/2009 | 100%      | <a href="#">SP-080461</a>      | Huawei            | com                 |             |     |     |
| 1329 | 1329  | 390017    | <a href="#">Study on Self-healing of Self-Organizing Networks</a> | FS_OAM-SO    | 1             | Rel-9   | S5             | ##   | 24/09/2009 | 100%      | <a href="#">SP-080076</a>      | ZTE               | im.cn               |             |     |     |
| 1330 | 1330  | 400029    | <a href="#">Study on Service Oriented Architecture</a>            | FS_OAM_SC    | 1             | Rel-9   | S5             | ##   | 04/06/2009 | 100%      | <a href="#">SP-080281</a>      | Ericsson          | l.com               |             |     |     |
| 1331 | 1331  | 380079    | <a href="#">Study on Evaluation of the inclusion of</a>           | FS_RAN-PatI  | 1             | Rel-9   | R4             | ##   | 04/12/2009 | 100%      | <a href="#">RP-071050</a>      | Polaris W         | com                 |             |     |     |
| 1332 | 1332  | 390031    | <a href="#">Study on LTE-Advanced</a>                             | FS_RAN_LTE   | 1             | Rel-9   | R1,R2,F        | ##   | 19/03/2010 | 100%      | <a href="#">RP-091360</a>      | NTT DoC           | i Abe               |             |     |     |
| 1333 | 1333  | 410016    | <a href="#">Study on 1.28 Mcps TDD Home NodeB</a>                 | FS_RAN-HNI   | 1             | Rel-9   | R4             | ##   | 04/12/2009 | 100%      | <a href="#">RP-080767</a>      | TD Tech           | com                 |             |     |     |
| 1334 | 1334  | 420012    | <a href="#">Study on E-UTRAN Mobility Evaluation</a>              | FS_EUTRAN    | 1             | Rel-9   | R1             | ##   | 29/05/2009 | 100%      | <a href="#">RP-081137</a>      | Qualcom           | com                 |             |     |     |
| 1335 | 1335  | 430021    | <a href="#">Study on Minimization of drive-tests in</a>           | FS_NGN_mir   | 1             | Rel-9   | R2             | ##   | 04/12/2009 | 100%      | <a href="#">RP-090341</a>      | Qualcom           | com                 |             |     |     |
| 1336 | 1336  | 430027    | <a href="#">Study on Enhanced Interference Manag</a>              | FS_eInterfMg | 1             | Rel-9   | R4             | ##   | 29/05/2009 | 100%      | <a href="#">RP-090361</a>      | Qualcom           | com                 |             |     |     |
| 1337 | 1337  | 440015    | <a href="#">Study on Enhanced Interference Manag</a>              | FS_eInterfMg | 1             | Rel-9   | R3             | ##   | 18/09/2009 | 100%      | <a href="#">RP-090667</a>      | Qualcom           | com                 |             |     |     |
| 1338 | ##### | 320026    | <i>Deleted - Study on Protection against SMS and MMS sp</i>       | FS_CPSMal    | 1             | Rel-9   | S3             | ##   | 24/09/2009 | 100%      | <a href="#">SP-060446</a>      | Orange            | ge.ch               |             |     |     |
| 1339 | 1339  | 0         | <b>Release 8 Features</b>   | -            | 1             | Rel-8   | CP,GP,I        | ##   | 19/03/2010 | 100%      | -                              | -                 | -                   |             |     |     |
| 1340 | 1340  | 320005    | <a href="#">3GPP System Architecture Evolution (SAE)</a>          | SAES         | 1             | Rel-8   | S1,S2,S        | ##   | 15/06/2012 | 100%      | <a href="#">SP-080132</a>      | T-Mobile          | ile.at              |             |     |     |
| 1433 | 1433  | 450022    | <a href="#">Conformance Test Aspects – Mobility</a>               | DSMIPv6_UE   | 1             | Rel-8   | R5             | ##   | 17/09/2010 | 100%      | <a href="#">RP-090754</a>      | Qualcom           | com                 |             |     |     |
| 1434 | 1434  | 370025    | <a href="#">IMS Centralized Service Control (ICSR)</a>            | ICSRA        | 1             | Rel-8   | S1,S2,C        | ##   | 07/12/2012 | 80%       | <a href="#">SP-070924</a>      | AT&T              | com                 |             |     |     |
| 1447 | 1447  | 370059    | <a href="#">IMS Multimedia Telephony and Supple</a>               | IMSTSS       | 1             | Rel-8   | S1,S5,C        | ##   | 01/08/2014 | 93%       | <a href="#">not applicable</a> | -                 | -                   |             |     |     |
| 1469 | 1469  | 390035    | <a href="#">3GPP2 Input to Common IMS</a>                         | CIMS_3GPP2   | 1             | Rel-8   | S1,S2,S        | ##   | 11/12/2008 | 100%      | <a href="#">SP-080220</a>      | Nortel            | com                 |             |     |     |
| 1476 | 1476  | 350005    | <a href="#">IMS Enhancements for support of Pac</a>               | PktCbl       | 1             | Rel-8   | S2,S3,C        | ##   | 30/05/2008 | 100%      | <a href="#">not applicable</a> | Cablelab          | com                 |             |     |     |
| 1488 | 1488  | 360012    | <a href="#">IMS System enhancements for corpor</a>                | IMS_Corp     | 1             | Rel-8   | S2,S1,C        | ##   | 07/12/2012 | 94%       | <a href="#">SP-080095</a>      | Orange            | anira               |             |     |     |
| 1494 | 1494  | 380069    | <a href="#">Maintenance of TISpan documentatio</a>                | MAINTISP     | 1             | Rel-8   | S2,C1,C        | ##   | 07/12/2012 | 82%       | <a href="#">not applicable</a> | -                 | -                   |             |     |     |
| 1499 | 1499  | 390056    | <a href="#">IMS Service Continuity</a>                            | IMS-Cont     | 1             | Rel-8   | S2,S1,C        | ##   | 29/05/2009 | 100%      | <a href="#">SP-080092</a>      | LG Elect          | com                 |             |     |     |
| 1503 | 1503  | 370078    | <a href="#">Security Enhancements for IMS</a>                     | IMS-Sec      | 1             | Rel-8   | S3,C1,C        | ##   | 06/03/2009 | 100%      | <a href="#">SP-070496</a>      | Ericsson          | com                 |             |     |     |
| 1509 | 1509  | 34046     | <a href="#">IMS initiated and controlled PSS and I</a>            | IMS_PSS_MI   | 1             | Rel-8   | S4,S3,It       | ##   | 21/09/2011 | 100%      | <a href="#">SP-080201</a>      | FT, Erics         | com                 |             |     |     |
| 1512 | 1512  | 713024    | <a href="#">Multimedia interworking between IMS</a>               | MIW-IMS      | 1             | Rel-8   | C3,C4          | ##   | 05/12/2008 | 100%      | <a href="#">CP-070729</a>      | Vodafone          | com                 |             |     |     |
| 1517 | 1517  | 360029    | <a href="#">IMS Stage 3 IETF Protocol Alignment</a>               | IMSProtoc2   | 1             | Rel-8   | C1,IETF        | ##   | 07/12/2012 | 85%       | <a href="#">CP-080794</a>      | Alcatel-L         | com                 |             |     |     |
| 1522 | 1522  | 380014    | <a href="#">Interworking between User-to-User Si</a>              | UUSIW        | 1             | Rel-8   | C1,C3,It       | ##   | 07/12/2012 | 81%       | <a href="#">CP-070782</a>      | Huawei            | com                 |             |     |     |
| 1527 | 1527  | 380018    | <a href="#">Support of Overlap signalling</a>                     | Overlap      | 1             | Rel-8   | C3,C1,C        | ##   | 06/03/2009 | 100%      | <a href="#">CP-070731</a>      | Deutsche          | m.de                |             |     |     |
| 1531 | 1531  | 380035    | <a href="#">AS/MRFC Stage 2 and 3</a>                             | MRFC_TS      | 1             | Rel-8   | C1,IETF        | ##   | 15/06/2012 | 100%      | <a href="#">CP-070784</a>      | Hewlett-I         | com                 |             |     |     |
| 1535 | 1535  | 400012    | <a href="#">IMS Restoration Procedures</a>                        | IMS_RP       | 1             | Rel-8   | C4,C1          | ##   | 06/03/2009 | 100%      | <a href="#">CP-080447</a>      | Ericsson          | com                 |             |     |     |
| 1538 | 1538  | 410003    | <a href="#">IMS Application Server Service Data D</a>             | IMS_ASIO     | 1             | Rel-8   | C4             | ##   | 06/03/2009 | 100%      | <a href="#">CP-080451</a>      | Alcatel-Lt        | com                 |             |     |     |
| 1539 | 1539  | 340030    | <a href="#">I-WLAN Network Selection Principle (I</a>             | IWLANNSP     | 1             | Rel-8   | S1,C1,C        | ##   | 06/03/2009 | 100%      | <a href="#">SP-060932</a>      | Telefóni          | com                 |             |     |     |
| 1543 | 1543  | 370049    | <a href="#">Mobility between 3GPP-WLAN Interw</a>                 | IWLAN_Mob    | 1             | Rel-8   | S2,C1          | ##   | 06/03/2009 | 100%      | <a href="#">SP-070701</a>      | Orange            | com                 |             |     |     |
| 1546 | 1546  | 460006    | <a href="#">Conformance Test Aspects – Mobility</a>               | IWLAN_Mob    | 1             | Rel-8   | R5             | ##   | 17/09/2010 | 100%      | <a href="#">RP-091349</a>      | Qualcom           | com                 |             |     |     |
| 1547 | 1547  | 7042      | <a href="#">Enhancements for Voice Group Call S</a>               | EVA          | 1             | Rel-8   | S1,C1,C        | ##   | 18/09/2009 | 100%      | <a href="#">SP-070904</a>      | Nortel            | com                 |             |     |     |
| 1553 | 1553  | 31081     | <a href="#">Personal Network Management</a>                       | PNM          | 1             | Rel-8   | S1,C1,S        | ##   | 06/03/2009 | 100%      | <a href="#">SP-080327</a>      | Vodafone          | com                 |             |     |     |
| 1561 | 1561  | 330005    | <a href="#">eCall Data Transfer</a>                               | EData        | 1             | Rel-8   | S1,C1          | ##   | 06/03/2009 | 100%      | <a href="#">SP-060678</a>      | Airbiquity        | com                 |             |     |     |
| 1564 | 1564  | 34042     | <a href="#">eCall data transfer Phase 2: Comparis</a>             | eCall_Phase2 | 1             | Rel-8   | S4             | ##   | 24/09/2009 | 100%      | <a href="#">SP-070756</a>      | Airbiquity        | r.com               |             |     |     |
| 1565 | 1565  | 450001    | <a href="#">eCall Conformance Testing</a>                         | eCall_MSTes  | 1             | Rel-8   | G3new          | ##   | 03/09/2010 | 100%      | <a href="#">GP-091098</a>      | Ericsson,         | com                 |             |     |     |
| 1566 | 1566  | 450023    | <a href="#">Conformance Test Aspects – non-mo</a>                 | UMTS_eCall   | 1             | Rel-8   | R5             | ##   | 04/06/2010 | 100%      | <a href="#">RP-090952</a>      | Ericsson,         | com                 |             |     |     |
| 1567 | 1567  | 380060    | <a href="#">IP Interconnection of Services</a>                    | IPinterc     | 1             | Rel-8   | S1,S2,S        | ##   | 06/03/2009 | 100%      | <a href="#">SP-080565</a>      | Telefóni          | com                 |             |     |     |
| 1575 | 1575  | 360025    | <a href="#">Support of (G)MSC-S – (G)MSC-S Nc I</a>               | SIP_Nc       | 1             | Rel-8   | C4,C3          | ##   | 06/03/2009 | 100%      | <a href="#">CP-080282</a>      | Vodafone          | com                 |             |     |     |
| 1580 | 1580  | 370051    | <a href="#">Earthquake and Tsunami Warning Sys</a>                | ETWS         | 1             | Rel-8   | S1,S2,C        | ##   | 15/05/2009 | 100%      | <a href="#">SP-070815</a>      | NTT DoC           | co.jp               |             |     |     |
| 1586 | 1586  | 440011    | <a href="#">Conformance Test Aspects – UMTS E</a>                 | ETWS_UMTS    | 1             | Rel-8   | R5             | ##   | 12/03/2010 | 100%      | <a href="#">RP-090467</a>      | NTT DoC           | co.jp               |             |     |     |

| ID   | ID   | Jnique_IC | Name   | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>porteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |  |            |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 1587 | 1587 | 380059    | In Case of Emergency numbers storage                 | ICE        | 1               | Rel-8   | S1,C6            | ##   | 06/03/2009 | 100%     | <a href="#">SP-070944</a>      | Vodafone                | i.com                   |             |     |     |
| 1590 | 1590 | 330006    | Local Charging Zone Requirements                     | LCZR       | 1               | Rel-8   | S1               | ##   | 12/03/2008 | 100%     | <a href="#">SP-060482</a>      | China Mo                | i.com                   |             |     |     |
| 1591 | 1591 | 340029    | Customized Alerting Tone (CAT) service               | CAT        | 1               | Rel-8   | S1,C1,C          | ##   | 18/09/2009 | 100%     | <a href="#">SP-070122</a>      | China M                 | i.com                   |             |     |     |
| 1599 | 1599 | 340031    | Service-Level Interworking for Message               | MESSIW     | 1               | Rel-8   | S1,S2,C          | ##   | 06/03/2009 | 100%     | <a href="#">SP-070816</a>      | Huawei                  | i.com                   |             |     |     |
| 1604 | 1604 | 340044    | Multimedia Priority Service                          | PRIOR      | 1               | Rel-8   | S1,C1,C          | ##   | 18/09/2009 | 100%     | <a href="#">SP-060780</a>      | Telcordia               | i.com                   |             |     |     |
| 1609 | 1609 | 360010    | Open Service Access (OSA) Rel-8                      | OSA8       | 1               | Rel-8   | S1,C5            | ##   | 30/05/2008 | 100%     | <a href="#">SP-070692</a>      | Orange                  | Jong                    |             |     |     |
| 1631 | 1631 | 360032    | Paging Permission with Access Control                | PPACR      | 1               | Rel-8   | S1,C1            | ##   | 05/12/2008 | 100%     | <a href="#">SP-070501</a>      | NTT DoC                 | ashi                    |             |     |     |
| 1634 | 1634 | 490017    | Conformance Test Aspects – Paging                    | PPAC_UECo  | 1               | Rel-8   | R5               | ##   | 10/12/2010 | 100%     | <a href="#">RP-100806</a>      | NTT DoC                 | i.com                   |             |     |     |
| 1635 | 1635 | 380063    | Charging for multi-phases services                   | CHRGMPH    | 1               | Rel-8   | S1               | ##   | 12/03/2008 | 100%     | <a href="#">SP-080053</a>      | Telecom                 | alia.it                 |             |     |     |
| 1637 | 1637 | 380065    | Home NodeB / eNodeB                                  | HomeNB     | 1               | Rel-8   | S1,C1,C          | ##   | 06/03/2009 | 100%     | <a href="#">SP-070952</a>      | Vodafone                | itson                   |             |     |     |
| 1642 | 1642 | 390033    | UTRA HNB   | HNB        | 1               | Rel-8   | RP,S5            | ##   | 04/06/2009 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1647 | 1647 | 430022    | UTRA HNB – UE Conformance Testing                    | HNB-UECon  | 1               | Rel-8   | R5               | ##   | 04/06/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1649 | 1649 | 350015    | Lawful Interception in the 3GPP Rel-8                | LI8        | 1               | Rel-8   | S3               | ##   | 12/03/2009 | 100%     | <a href="#">SP-070238</a>      | BMWV, V                 | n.net                   |             |     |     |
| 1650 | 1650 | 390046    | Generic Bootstrapping Architecture P                 | GBAPush    | 1               | Rel-8   | S3,C1,C          | ##   | 06/03/2009 | 100%     | <a href="#">SP-080133</a>      | Ericsson                | Blom                    |             |     |     |
| 1654 | 1654 | 34045     | Requirements and Test methods for V                  | RETEM_WB   | 1               | Rel-8   | S4               | ##   | 11/12/2008 | 100%     | <a href="#">SP-080004</a>      | FT, Eric                | i.com                   |             |     |     |
| 1655 | 1655 | 34043     | Extending PSS and MBMS User Service                  | PSS_MBMS   | 1               | Rel-8   | S4               | ##   | 11/12/2008 | 100%     | <a href="#">SP-070757</a>      | Ericsson                | i.com                   |             |     |     |
| 1656 | 1656 | 400028    | Encoding formats, transport formats ;                | MTSI_eMHI  | 1               | Rel-8   | S4,C3,C          | ##   | 12/03/2009 | 100%     | <a href="#">SP-080443</a>      | Ericsson                | i.com                   |             |     |     |
| 1661 | 1661 | 340063    | Rel-8 Operations, Administration, Mai                | OAM8       | 1               | Rel-8   | S5,C1,C          | ##   | 07/12/2012 | 96%      | <a href="#">TR 30.818</a>      | -                       | -                       |             |     |     |
| 1680 | 1680 | 350016    | Rel-8 Charging Management small En                   | CH8        | 1               | Rel-8   | S5               | ##   | 11/12/2008 | 100%     | <a href="#">TR 30.818</a>      | -                       | -                       |             |     |     |
| 1685 | 1685 | 380024    | Conferencing enhancements for Mp i                   | eMp        | 1               | Rel-8   | C4               | ##   | 05/12/2008 | 100%     | <a href="#">CP-080725</a>      | Huawei                  | i.com                   |             |     |     |
| 1688 | 1688 | 320014    | Contact Manager for 3GPP UICC appli                  | eUPHBOOK   | 1               | Rel-8   | C6               | ##   | 05/12/2008 | 100%     | <a href="#">CP-080382</a>      | Gemalto                 | i.com                   |             |     |     |
| 1693 | 1693 | 20068     | Rel-8 LTE – 3G Long Term Evolution -                 | LTE        | 1               | Rel-8   | RP,S5            | ##   | 12/03/2009 | 100%     | <a href="#">RP-080747</a>      | NTT DoC                 | o.jp)                   |             |     |     |
| 1708 | 1708 | 25029     | Rel-8 LTE – Terminal Conformance Te                  | LTE-UECon1 | 1               | Rel-8   | R5               | ##   | 04/12/2009 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1712 | 1712 | 350040    | Rel-8 Improvements of the Radio Inter                | RlnImp8    | 1               | Rel-8   | RP               | ##   | 06/03/2009 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1721 | 1721 | 25125     | Rel-8 Improvements of the Radio Inter                | RlnImp-UEC | 1               | Rel-8   | R5               | ##   | 05/12/2008 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1724 | 1724 | 370035    | Rel-8 RAN improvements                               | RANImp     | 1               | Rel-8   | RP               | ##   | 29/05/2009 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1738 | 1738 | 25126     | Rel-8 RAN improvements - UE Confor                   | RANImp-UEC | 1               | Rel-8   | R5               | ##   | 17/09/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1750 | 1750 | 360008    | 3.84 Mcps TDD MBSFN Integrated Mo                    | MBSFN-DOB  | 1               | Rel-8   | R1               | ##   | 05/12/2008 | 100%     | <a href="#">RP-081124</a>      | Ericsson                | i.com                   |             |     |     |
| 1751 | 1751 | 440008    | Conformance Test Aspects – 3.84 Mcp                  | MBSFN_IMB  | 1               | Rel-8   | R5               | ##   | 19/03/2010 | 100%     | <a href="#">RP-090583</a>      | IPwireles               | i.com)                  |             |     |     |
| 1752 | 1752 | 50583     | GERAN support for GERAN - 3G Long                    | GELTE      | 1               | Rel-8   | GP,G1,G          | ##   | 25/11/2011 | 100%     | <a href="#">GP-061757</a>      | Nokia, N                | i.com                   |             |     |     |
| 1757 | 1757 | 55586     | U-TDOA Enhancement                                   | GUTEN      | 1               | Rel-8   | GP               | ##   | 16/11/2007 | 100%     | <a href="#">GP-070865</a>      | TruePosit               | i.com)                  |             |     |     |
| 1758 | 1758 | 50587     | GAN Enhancements                                     | GANENH     | 1               | Rel-8   | GP               | ##   | 04/09/2009 | 100%     | <a href="#">GP-071484</a>      | T-Mobile                | i.com                   |             |     |     |
| 1761 | 1761 | 50591     | AoIP (A-interface over IP)                           | AoIP       | 1               | Rel-8   | GP,S4,C          | ##   | 11/12/2008 | 100%     | <a href="#">GP-081361</a>      | China M                 | i.com                   |             |     |     |
| 1768 | 1768 | 51147     | New multicarrier BTS class                           | MCBTS      | 1               | Rel-8   | G1               | ##   | 29/08/2008 | 100%     | <a href="#">GP-071542</a>      | Alcatel-L               | int.de                  |             |     |     |
| 1769 | 1769 | 38001     | Support for Additional Navigation Sat                | ANSS       | 1               | Rel-8   | S1,G2,F          | ##   | 11/12/2008 | 100%     | <a href="#">GP-081784</a>      | Qualcom                 | anda                    |             |     |     |
| 1773 | 1773 | 51149     | Conformance testing for the Latency I                | CLATRED    | 1               | Rel-8   | G1, G3r          | ##   | 05/03/2010 | 100%     | <a href="#">GP-080367</a>      | Ericsson                | i.com                   |             |     |     |
| 1776 | 1776 | 53091     | MS conformance testing of changes in                 | PSHCT-MSte | 1               | Rel-8   | G3new            | ##   | 21/11/2008 | 100%     | <a href="#">GP-080411</a>      | Rohde &                 | COM                     |             |     |     |
| 1777 | 1777 | 320001    | (Small) Technical Enhancements and                   | TEI8       | 1               | Rel-8   | All              | ##   | 11/12/2008 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1778 | 1778 | 521029    | (IETF) (Small) Technical Enhancemen                  | TEI8       | 1               | Rel-8   | C1-IETF          | ##   | 07/09/2012 | 100%     | <a href="#">not applicable</a> | Christer I              | i.com                   |             |     |     |
| 1779 | 1779 | 400025    | Test - (Small) Technical Enhancement                 | TEI8_Test  | 1               | Rel-8   | R5,G3n           | ##   | 24/12/2010 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 1780 | #### | 31067     | Deleted - All-IP Network                             | AIPN       | 1               | Rel-8   | S1               | ##   | 15/03/2006 | 100%     | <a href="#">SP-050181</a>      | NTT DoC                 | co.jp                   |             |     |     |
| 1782 | #### | 340032    | Deleted - was Rel-7 - LCS for 3GPP Interworking WLAN | LCS4_IWLAN | 1               | Rel-8   | S2               | ##   | 28/09/2007 | 100%     | <a href="#">SP-060818</a>      | LG Electr               | i.com                   |             |     |     |
| 1783 | #### | 330010    | Deleted - never approved- FBI Phase 2                | FBI2       | 1               | Rel-8   | S2               | ##   | 28/09/2007 | 100%     | -                              | Nokia Sie               |                         |             |     |     |



| ID   | ID   | Jnique_IC | Name   | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | itat | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|-------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |      |           |  |             |                 |         |                  |      |            |          |                           |                         |                           | Jul         | Sep | Nov |
| 1784 | #### | 330007    | <a href="#">Deleted - Enhancements to BS30 Bearer service for Video</a>  | BS30        | 1               | Rel-8   | S1               | ##   | 15/03/2007 | 100%     | <a href="#">SP-060484</a> | 3                       |                           |             |     |     |
| 1785 | #### | 370055    | <a href="#">Deleted - IMS Enhancements Rel-8</a>                         | IMS8        | 1               | Rel-8   | S1               | ##   | 14/12/2007 | 100%     | -                         | Telecom                 |                           |             |     |     |
| 1786 | #### | 400023    | <a href="#">Deleted - Contact Manager Conformance Test specification</a> | eUPHBOOK-   | 1               | Rel-8   | C6               | ##   | 19/03/2010 | 100%     | <a href="#">CP-080430</a> | Comprior                | Self                      |             |     |     |
| 1789 | #### | 53092     | <a href="#">Deleted - MS conformance testing of Support of Conver</a>    | SCSAGBCT-   | 1               | Rel-8   | G3new            | ##   | 04/09/2009 | 100%     | <a href="#">GP-080330</a> | Nokia                   | l.com                     |             |     |     |
| 1790 | 1790 | 0         | <b>Release 8 Studies</b>   | -           | 1               | Rel-8   | CP,GP,I          | ##   | 12/11/2010 | 100%     | -                         | -                       | -                         |             |     |     |
| 1791 | 1791 | 7026      | <a href="#">Study on Customised Alerting Tone (C</a>                     | FS_CAT      | 1               | Rel-8   | S1               | ##   | 14/09/2006 | 100%     | <a href="#">SP-060474</a> | China Mo                | .com)                     |             |     |     |
| 1792 | 1792 | 7027      | <a href="#">Study on Facilitating Machine to Mach</a>                    | FS_M2M      | 1               | Rel-8   | S1               | ##   | 08/03/2007 | 100%     | <a href="#">SP-050527</a> | Siemens                 | lerkel                    |             |     |     |
| 1793 | 1793 | 31089     | <a href="#">Study on Network Composition</a>                             | FS_NetComp  | 1               | Rel-8   | S1               | ##   | 12/12/2007 | 100%     | <a href="#">SP-060478</a> | Nokia Sie               | b.eu)                     |             |     |     |
| 1794 | 1794 | 320024    | <a href="#">Study on Requirements of IMS Multim</a>                      | FS_IMSconf  | 1               | Rel-8   | S1               | ##   | 12/09/2007 | 100%     | <a href="#">SP-060479</a> | China Mo                | .com)                     |             |     |     |
| 1795 | 1795 | 320025    | <a href="#">Study on support of a Public Warning</a>                     | FS_PWS      | 1               | Rel-8   | S1               | ##   | 14/03/2008 | 100%     | <a href="#">SP-080054</a> | T-Mobile                | l.com                     |             |     |     |
| 1796 | 1796 | 330016    | <a href="#">Study on Paging Permission with Acc</a>                      | FS_PPAC     | 1               | Rel-8   | S1               | ##   | 20/09/2007 | 100%     | <a href="#">SP-060785</a> | NTT DoC                 | co.jp)                    |             |     |     |
| 1797 | 1797 | 340033    | <a href="#">Study on Non-3GPP access Network S</a>                       | FS_N3GtoNS  | 1               | Rel-8   | S1               | ##   | 05/06/2008 | 100%     | <a href="#">SP-080318</a> | Telefónica              | l.com                     |             |     |     |
| 1798 | 1798 | 340034    | <a href="#">Study on Value Added Services for Sh</a>                     | FS_VAS4SM   | 1               | Rel-8   | S1               | ##   | 07/12/2007 | 100%     | <a href="#">SP-060786</a> | China Mo                | .com)                     |             |     |     |
| 1799 | 1799 | 340035    | <a href="#">Study on Service continuity between i</a>                    | FS_SMLS WL  | 1               | Rel-8   | S1               | ##   | 06/12/2007 | 100%     | <a href="#">SP-060936</a> | NEC                     | ab.eu                     |             |     |     |
| 1800 | 1800 | 370086    | <a href="#">Study on Services Alignment and Mig</a>                      | FS_ServAI   | 1               | Rel-8   | S1               | ##   | 12/03/2008 | 100%     | <a href="#">SP-070126</a> | Telefónica              | l.com                     |             |     |     |
| 1801 | 1801 | 32085     | <a href="#">Study on 3GPP System Architecture E</a>                      | FS_SAE      | 1               | Rel-8   | S2,S3            | ##   | 12/03/2009 | 100%     | <a href="#">SP-070163</a> | Vodafone                | dney                      |             |     |     |
| 1805 | 1805 | 320028    | <a href="#">Study on Stage 2 aspects of IMS Servi</a>                    | FS_ISB_ST2  | 1               | Rel-8   | S2               | ##   | 18/09/2008 | 100%     | <a href="#">SP-060443</a> | Telcordia               | l.com                     |             |     |     |
| 1806 | 1806 | 7049      | <a href="#">Study on IMS utilizing multicast beare</a>                   | FS_MLTICAS  | 1               | Rel-8   | S2               | ##   | 06/12/2007 | 100%     | <a href="#">SP-060148</a> | Nokia Sie               |                           |             |     |     |
| 1807 | 1807 | 350051    | <a href="#">Study on Multimedia Session Continu</a>                      | FS_MMSC     | 1               | Rel-8   | S2               | ##   | 05/06/2008 | 100%     | <a href="#">SP-070818</a> | LG Electr               |                           |             |     |     |
| 1808 | 1808 | 380034    | <a href="#">Study on centralized IMS service cont</a>                    | FS_ICCS     | 1               | Rel-8   | S2,S1            | ##   | 12/03/2008 | 100%     | <a href="#">SP-070494</a> | Ericsson                | .com                      |             |     |     |
| 1811 | 1811 | 380078    | <a href="#">Study on Architecture of IMS based C</a>                     | FS_CAT-SI2  | 1               | Rel-8   | S2               | ##   | 18/09/2008 | 100%     | <a href="#">SP-070905</a> | China Mo                | .com)                     |             |     |     |
| 1812 | 1812 | 380085    | <a href="#">Study on Home (e)NodeB Security</a>                          | FS_HNB_Sec  | 1               | Rel-8   | S3               | ##   | 12/03/2009 | 100%     | <a href="#">SP-070783</a> | Huawei                  | l.com                     |             |     |     |
| 1813 | 1813 | 360015    | <a href="#">Study on Transferring of emergency c</a>                     | eCALLIBMS   | 1               | Rel-8   | S4               | ##   | 12/12/2007 | 100%     | <a href="#">SP-060935</a> | Airbiquity              | r.com                     |             |     |     |
| 1814 | #### | 35065     | <a href="#">Study on Element Operations System</a>                       | OAM7-NIM- E | 1               | Rel-8   | S5               | ##   | 12/06/2008 | 100%     | <a href="#">SP-070307</a> | China Mo                | .com)                     |             |     |     |
| 1815 | #### | 35074     | <a href="#">Study on SA5 MTOSI XML Harmonizat</a>                        | OAM8-NIM-X  | 1               | Rel-8   | S5               | ##   | 12/09/2007 | 100%     | <a href="#">SP-070305</a> | Nortel                  | l.com                     |             |     |     |
| 1816 | 1816 | 320006    | <a href="#">Study on Common Profile Storage (CP</a>                      | OAM7-CPS    | 1               | Rel-8   | S5               | ##   | 07/06/2007 | 100%     | <a href="#">SP-060263</a> | T-Mobile                | ille.at                   |             |     |     |
| 1817 | 1817 | 340036    | <a href="#">Study on Management for LTE and SA</a>                       | FS_OAM_LTI  | 1               | Rel-8   | S5               | ##   | 11/12/2008 | 100%     | <a href="#">SP-060753</a> | Ericsson                | .com                      |             |     |     |
| 1818 | 1818 | 350004    | <a href="#">Study on Charging Aspects of 3GPP S</a>                      | FS_SAEchar  | 1               | Rel-8   | S5               | ##   | 06/12/2007 | 100%     | <a href="#">SP-070174</a> | Nokia Sie               | l.com                     |             |     |     |
| 1819 | 1819 | 7048      | <a href="#">Study on AS-MRFC media server cont</a>                       | MRFC        | 1               | Rel-8   | C1               | ##   | 13/06/2008 | 100%     | <a href="#">CP-060180</a> | Hewlett-F               | l.com                     |             |     |     |
| 1820 | 1820 | 350018    | <a href="#">Study on IMS Restoration Procedures</a>                      | FS_IMS_RP   | 1               | Rel-8   | C4               | ##   | 30/05/2008 | 100%     | <a href="#">CP-070031</a> | Ericsson                | l.com                     |             |     |     |
| 1821 | 1821 | 360030    | <a href="#">Study on IMS Application Server Servi</a>                    | FS_IMS_ASIC | 1               | Rel-8   | C4               | ##   | 12/09/2008 | 100%     | <a href="#">CP-070685</a> | Alcatel-L               | rottin                    |             |     |     |
| 1822 | 1822 | 360031    | <a href="#">Study on Customized Alerting Tone (C</a>                     | FS_CAT_VV(  | 1               | Rel-8   | C4               | ##   | 12/09/2008 | 100%     | <a href="#">CP-070518</a> | China Mo                | l.com                     |             |     |     |
| 1823 | 1823 | 380023    | <a href="#">Study on InterWorking Function betw</a>                      | FS_MAP2Dia  | 1               | Rel-8   | C4               | ##   | 05/12/2008 | 100%     | <a href="#">CP-070760</a> | Huawei                  | l.com                     |             |     |     |
| 1824 | 1824 | 370041    | <a href="#">Study on Scope of future HSPA Evolu</a>                      | FS_RAN-LCF  | 1               | Rel-8   | R1               | ##   | 30/05/2008 | 100%     | <a href="#">RP-070748</a> | RITT                    | u Fei                     |             |     |     |
| 1825 | 1825 | 370042    | <a href="#">Study on Synchronized E-DCH for UTI</a>                      | FS_RAN-UpI  | 1               | Rel-8   | R1               | ##   | 07/03/2008 | 100%     | <a href="#">RP-070678</a> | Nokia Sie               | l.com                     |             |     |     |
| 1826 | 1826 | 360016    | <a href="#">Study on Improved network controller</a>                     | FS_RAN-LTE  | 1               | Rel-8   | R4               | ##   | 03/12/2007 | 100%     | <a href="#">RP-070511</a> | Motorola                | l.com                     |             |     |     |
| 1827 | 1827 | 350039    | <a href="#">Study on 3G Home NodeB/eNodeB</a>                            | FS_RAN-HNI  | 1               | Rel-8   | R4               | ##   | 30/05/2008 | 100%     | <a href="#">RP-070257</a> | Motorola                | l.com                     |             |     |     |
| 1828 | 1828 | 50589     | <a href="#">Study on A-interface over IP</a>                             | AIN TIP     | 1               | Rel-8   | GP               | ##   | 22/02/2008 | 100%     | <a href="#">GP-071562</a> | China Mo                | l.com                     |             |     |     |
| 1829 | 1829 | 50590     | <a href="#">Study on Multi-User Reusing-One-Slo</a>                      | MUROS       | 1               | Rel-8   | GP               | ##   | 12/11/2010 | 100%     | <a href="#">GP-072033</a> | Nokia Sie               | l.com                     |             |     |     |
| 1830 | 1830 | 51148     | <a href="#">Study on Optimized Transmit Pulse S</a>                      | WIDER       | 1               | Rel-8   | G1               | ##   | 21/05/2010 | 100%     | <a href="#">GP-072026</a> | Research                | l.com                     |             |     |     |
| 1831 | #### | 350017    | <a href="#">Deleted - Study on Mobility between 3GPP-WLAN Interv</a>     | FS_SM3GWL   | 1               | Rel-8   | S2               | ##   | 18/09/2008 | 100%     | <a href="#">SP-070106</a> | Orange                  |                           |             |     |     |
| 1832 | #### | 370044    | <a href="#">Deleted - equals 340035 -FS on Service continuity betw</a>   | FS_SCMobTo  | 1               | Rel-8   | S1               | ##   | 14/12/2007 | 100%     | <a href="#">SP-070557</a> | BT                      | l.com                     |             |     |     |
| 1833 | #### | 380068    | <a href="#">Deleted - Study on Evaluation of LCS Control Plane Sol</a>   | FS_LCS_EP   | 1               | Rel-8   | S2               | ##   | 30/05/2008 | 100%     | <a href="#">SP-070819</a> | SiRF                    |                           |             |     |     |

| ID   | ID   | Jnique_IC | Name   | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | Itai | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|-------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |  |             |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 1834 | #### | 380080    | <i>Deleted - Study on HS-PDSCH serving cell change enh</i> | FS_RAN-HSI  | 1               | Rel-8   | R4               | ##   | 07/03/2008 | 100%     | <a href="#">RP-071044</a>      | Qualcom                 |                         |             |     |     |
| 1835 | #### | 390032    | <i>Deleted - Study on Dual-Cell HSDPA operation</i>        | FS_RAN-DCI  | 1               | Rel-8   | R1               | ##   | 06/03/2009 | 100%     | <a href="#">RP-080228</a>      | Qualcom                 | Blanz                   |             |     |     |
| 1836 | 1836 | 0         | <b>Release 7 Features</b>                                  | -           | 1               | Rel-7   | CP,GP,I          | ##   | 06/12/2007 | 100%     | -                              | -                       | -                       |             |     |     |
| 1837 | 1837 | 732097    | <b>Identification of Communication Servi</b>               | ServID      | 1               | Rel-7   | S2,S1,C          | ##   | 14/09/2007 | 100%     | <a href="#">SP-060293</a>      | Ericsson                | .com                    |             |     |     |
| 1842 | 1842 | 32116     | <b>Supporting Globally Routable User Ag</b>                | GRUU        | 1               | Rel-7   | S2,S1,C          | ##   | 15/06/2007 | 100%     | <a href="#">SP-050633</a>      | Research                | com)                    |             |     |     |
| 1846 | 1846 | 7038      | <b>Multimedia Telephony Service for IMS</b>                | MTSI        | 1               | Rel-7   | S1,C1,S          | ##   | 15/06/2007 | 100%     | <a href="#">SP-060224</a>      | Ericsson                | .com                    |             |     |     |
| 1851 | 1851 | 350147    | <b>Multimedia Telephony Service for IMS</b>                | MTSI-UECon  | 1               | Rel-7   | R5               | ##   | 12/03/2009 | 100%     | <a href="#">RP-080605</a>      | Ericsson,               | i.com                   |             |     |     |
| 1852 | 1852 | 377001    | <b>TISPAN requirements for Multimedia</b>                  | TMTEL7      | 1               | Rel-7   | S1               | ##   | 06/12/2007 | 100%     | <a href="#">SP-070568</a>      | -                       |                         |             |     |     |
| 1853 | 1853 | 387001    | <b>Maintenance of TISPAN release 1 con</b>                 | MCIMSTR1    | 1               | Rel-7   | S2               | ##   | 07/03/2008 | 100%     | <a href="#">SP-070915</a>      | Ericsson                | rbes                    |             |     |     |
| 1858 | 1858 | 32045     | <b>PS domain and IMS impacts for supp</b>                  | EMC1        | 1               | Rel-7   | S2,S1,C          | ##   | 09/12/2011 | 100%     | <a href="#">SP-050604</a>      | Siemens                 | bhart                   |             |     |     |
| 1871 | 1871 | 11065     | <b>IMS Support of Conferencing</b>                         | IMSConf     | 1               | Rel-7   | C1               | ##   | 15/03/2007 | 100%     | <a href="#">CP-070120</a>      | Alcatel-Lt              | .com)                   |             |     |     |
| 1872 | 1872 | 34033     | <b>Performance Characterization of VoIM</b>                | VoIMS-PCVo  | 1               | Rel-7   | S4               | ##   | 06/12/2007 | 100%     | <a href="#">SP-050089</a>      | Alcatel-Lt              | i.com                   |             |     |     |
| 1873 | 1873 | 31062     | <b>WLAN-UMTS Interworking Phase 2</b>                      | WLAN2       | 1               | Rel-7   | S1,S2            | ##   | 07/06/2005 | 100%     | <a href="#">SP-030712</a>      | Telenor                 | .com                    |             |     |     |
| 1876 | 1876 | 32110     | <b>WLAN Interworking – Private Network</b>                 | WLANPNA     | 1               | Rel-7   | S2,C1,C          | ##   | 26/09/2006 | 100%     | <a href="#">SP-050489</a>      | NEC                     | com)                    |             |     |     |
| 1882 | 1882 | 32092     | <b>Enhancements to support QoS provis</b>                  | WLANQOS     | 1               | Rel-7   | S2,C4,C          | ##   | 09/03/2007 | 100%     | <a href="#">SP-050682</a>      | Samsunç                 |                         |             |     |     |
| 1887 | 1887 | 32079     | <b>Location Services enhancements</b>                      | LCS3        | 1               | Rel-7   | S1,S2,G          | ##   | 17/12/2007 | 100%     | <a href="#">SP-040682</a>      | -                       | -                       |             |     |     |
| 1899 | 1899 | 31084     | <b>MBMS Enhancements</b>                                   | MBMSE       | 1               | Rel-7   | S1,R1,C          | ##   | 30/11/2007 | 100%     | <a href="#">SP-050389</a>      | China M                 | .com                    |             |     |     |
| 1905 | 1905 | 400058    | <b>MBMS - UE Conformance Testing</b>                       | MBMSE_UEC   | 1               | Rel-7   | R5               | ##   | 04/12/2009 | 100%     | <a href="#">not applicable</a> | -                       |                         |             |     |     |
| 1909 | 1909 | 34038     | <b>MBMS User Service Extensions</b>                        | MBMSUSE     | 1               | Rel-7   | S4               | ##   | 07/06/2007 | 100%     | <a href="#">SP-050838</a>      | Ericsson                | i.com                   |             |     |     |
| 1910 | 1910 | 31051     | <b>Advanced Global Navigation Satellite</b>                | LCS3-AGNS   | 1               | Rel-7   | S1,S2,G          | ##   | 31/08/2007 | 100%     | <a href="#">SP-040681</a>      | Alcatel                 | .com                    |             |     |     |
| 1914 | 1914 | 50581     | <b>A-GPS Minimum Performance</b>                           | GAGR        | 1               | Rel-7   | G1,G3            | ##   | 31/08/2007 | 100%     | <a href="#">GP-060834</a>      | Spirent                 | .com                    |             |     |     |
| 1915 | 1915 | 31048     | <b>USSD message delivery and transfer t</b>                | USSD-USIM   | 1               | Rel-7   | S1,C6            | ##   | 12/08/2005 | 100%     | <a href="#">SP-040104</a>      | Axalto                  | com)                    |             |     |     |
| 1918 | 1918 | 31063     | <b>Combinational Services</b>                              | CSICS       | 1               | Rel-7   | S1,S2,C          | ##   | 06/03/2006 | 100%     | <a href="#">SP-050228</a>      | TeliaSon                | .com                    |             |     |     |
| 1923 | 1923 | 31065     | <b>CAMEL Trunk Triggers</b>                                | TTCAMEL     | 1               | Rel-7   | S1,C4            | ##   | 05/12/2005 | 100%     | <a href="#">SP-040743</a>      | Nortel                  | com)                    |             |     |     |
| 1926 | 1926 | 31088     | <b>IMS Service Brokering enhancements</b>                  | ISB         | 1               | Rel-7   | S1               | ##   | 13/03/2006 | 100%     | <a href="#">SP-050830</a>      | Telcordia               | i.com                   |             |     |     |
| 1928 | 1928 | 11045     | <b>Enhancements of VGCS for public au</b>                  | EVGCS       | 1               | Rel-7   | S1,C1,C          | ##   | 15/06/2007 | 100%     | <a href="#">SP-040304</a>      | -                       |                         |             |     |     |
| 1934 | 1934 | 11055     | <b>Improvements of VGCS for parallel us</b>                | IVGCS       | 1               | Rel-7   | S1               | ##   | 15/03/2007 | 100%     | <a href="#">SP-070167</a>      | -                       | -                       |             |     |     |
| 1940 | 1940 | 31071     | <b>Open Service Access (OSA) Rel-7</b>                     | OSA7        | 1               | Rel-7   | S1,C5            | ##   | 08/06/2007 | 100%     | <a href="#">SP-050183</a>      | AePONA                  | .com                    |             |     |     |
| 1952 | 1952 | 31053     | <b>Selective Disabling of UE Capabilities</b>              | SDoUE       | 1               | Rel-7   | S1,S2,C          | ##   | 15/06/2007 | 100%     | <a href="#">SP-050182</a>      | Motorola                |                         |             |     |     |
| 1956 | 1956 | 7041      | <b>Network selection enhancements (NS</b>                  | NSP-CR      | 1               | Rel-7   | S1               | ##   | 15/06/2007 | 100%     | <a href="#">SP-060220</a>      | O2                      | .com                    |             |     |     |
| 1959 | 1959 | 25048     | <b>Network selection enhancements (NS</b>                  | NSP-CR_UEI  | 1               | Rel-7   | R5               | ##   | 05/12/2008 | 100%     | <a href="#">RP-080135</a>      | Nokia                   | i.com                   |             |     |     |
| 1960 | 1960 | 32064     | <b>Access Class Barring and Overload P</b>                 | ACBOP       | 1               | Rel-7   | S2,C1            | ##   | 08/09/2006 | 100%     | <a href="#">SP-040338</a>      | Vodafone                | dney                    |             |     |     |
| 1966 | 1966 | 32074     | <b>System enhancements for Fixed Broa</b>                  | FBI         | 1               | Rel-7   | S2,S3,S          | ##   | 09/12/2011 | 100%     | <a href="#">SP-060145</a>      | -                       | -                       |             |     |     |
| 1979 | 1979 | 32081     | <b>Support of SMS over generic 3GPP IP</b>                 | SMSIP       | 1               | Rel-7   | S2,C4,C          | ##   | 14/06/2007 | 100%     | <a href="#">SP-060658</a>      | Huawei                  | .com                    |             |     |     |
| 1985 | 1985 | 32082     | <b>Evolution of Policy Control and Charg</b>               | PCC         | 1               | Rel-7   | S2,S5,C          | ##   | 30/11/2007 | 100%     | <a href="#">SP-060217</a>      | Nokia                   | .com                    |             |     |     |
| 1994 | 1994 | 32091     | <b>Voice Call Continuity between CS and</b>                | VCC         | 1               | Rel-7   | S2,S1,S          | ##   | 15/06/2007 | 100%     | <a href="#">SP-060292</a>      | Alcatel-L               | com)                    |             |     |     |
| 2003 | 2003 | 7046      | <b>One Tunnel solution for optimization</b>                | OPTUNEL     | 1               | Rel-7   | S2               | ##   | 31/10/2007 | 100%     | <a href="#">SP-060819</a>      | Nokia                   | .com                    |             |     |     |
| 2007 | 2007 | 320029    | <b>CSI Terminating Session handling</b>                    | CSItemS     | 1               | Rel-7   | S2,C1            | ##   | 15/06/2007 | 100%     | <a href="#">SP-060437</a>      | Samsunç                 | Song                    |             |     |     |
| 2011 | 2011 | 33022     | <b>Liberty Alliance and 3GPP Security In</b>               | LibSec      | 1               | Rel-7   | S3               | ##   | 30/11/2006 | 100%     | <a href="#">SP-050145</a>      | Nokia                   | i.com                   |             |     |     |
| 2012 | 2012 | 33023     | <b>Trust Requirements for Open Platform</b>                | TrustOP     | 1               | Rel-7   | S3               | ##   | 30/11/2006 | 100%     | <a href="#">SP-040863</a>      | Nokia                   | i.com                   |             |     |     |
| 2013 | 2013 | 33024     | <b>Development of UEA2 and UIA2</b>                        | AlgUEA2     | 1               | Rel-7   | S3               | ##   | 09/12/2005 | 100%     | <a href="#">SP-040864</a>      | TeliaSon                | i.com                   |             |     |     |
| 2014 | 2014 | 33026     | <b>Lawful Interception in the 3GPP Rel-7</b>               | LI-7A       | 1               | Rel-7   | S3               | ##   | 08/12/2005 | 100%     | <a href="#">SP-050237</a>      | BMWl                    | ftp.de                  |             |     |     |
| 2015 | 2015 | 33028     | <b>Key establishment between a UICC ar</b>                 | KeyEstUTerr | 1               | Rel-7   | S3               | ##   | 28/09/2006 | 100%     | <a href="#">SP-050780</a>      | Gemalto                 | i.com                   |             |     |     |

| ID   | ID   | Jnique_IC | Name   | Acronym    | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |  |            |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 2016 | 2016 | 330008    | <b>NDS Authentication Framework Extension</b>  | NDSaFTLS   | 1               | Rel-7   | S3               | ##   | 06/12/2006 | 100%     | <a href="#">SP-060507</a>      | Nokia                   | i.com                   |             |     |     |
| 2017 | 2017 | 732030    | <b>Security enhancements</b>                   | SEC7       | 1               | Rel-7   | S3,C1,C          | ##   | 30/11/2006 | 100%     | -                              | -                       |                         |             |     |     |
| 2024 | 2024 | 711052    | <b>IMS Stage 3 IETF Protocol Alignment</b>     | IMSProtoc  | 1               | Rel-7   | C1               | ##   | 14/03/2007 | 100%     | <a href="#">CP-060101</a>      | -                       | -                       |             |     |     |
| 2025 | 2025 | 7043      | <b>Interoperability between VGCS/VBS and</b>   | VGCSFlex   | 1               | Rel-7   | C1,C4            | ##   | 09/03/2007 | 100%     | <a href="#">CP-060102</a>      | Siemens                 | .com                    |             |     |     |
| 2028 | 2028 | 13023     | <b>DIAMETER on the GGSN Gi interface</b>       | DIAMGi     | 1               | Rel-7   | C3               | ##   | 08/12/2006 | 100%     | <a href="#">CP-060431</a>      | Vodafone                | i.com                   |             |     |     |
| 2029 | 2029 | 13022     | <b>DIAMETER on the PDG Wi interface</b>        | DIAMWi     | 1               | Rel-7   | C3               | ##   | 08/12/2006 | 100%     | <a href="#">CP-060432</a>      | Vodafone                | i.com                   |             |     |     |
| 2030 | 2030 | 13033     | <b>Interworking between the 3GPP CS domain</b> | ExtSIPI    | 1               | Rel-7   | C3               | ##   | 22/07/2008 | 100%     | <a href="#">CP-070101</a>      | Siemens                 | i.com                   |             |     |     |
| 2031 | 2031 | 340047    | <b>PDU multiplexing at Nb Interface with</b>   | NbIPMux    | 1               | Rel-7   | C3               | ##   | 22/07/2008 | 100%     | <a href="#">CP-070105</a>      | Alcatel-L               | ent.fr                  |             |     |     |
| 2032 | 2032 | 14012     | <b>Mp (MRFC - MRFP) interface</b>              | Mp         | 1               | Rel-7   | C4,C1            | ##   | 08/06/2007 | 100%     | <a href="#">CP-070246</a>      | Ericsson                | .com                    |             |     |     |
| 2037 | 2037 | 340016    | <b>Routeing of MT-SMS via the HPLMN</b>        | SMSviaH    | 1               | Rel-7   | C4,C1            | ##   | 09/03/2007 | 100%     | <a href="#">CP-070032</a>      | Vodafone                | i.com                   |             |     |     |
| 2038 | 2038 | 350003    | <b>Mobile Termination whilst the MS is in</b>  | MTmovMS    | 1               | Rel-7   | C4               | ##   | 31/05/2007 | 100%     | <a href="#">CP-070334</a>      | Alcatel-L               | ent.fr                  |             |     |     |
| 2039 | 2039 | 743009    | <b>ISIM API for Java Card</b>                  | APIJAVA    | 1               | Rel-7   | C6               | ##   | 27/07/2007 | 100%     | <a href="#">CP-050145</a>      | Sun                     | Hans                    |             |     |     |
| 2040 | 2040 | 440042    | <b>Rel-7 (U)SIM API Testing (TS 31.213)</b>    | USIM_API_T | 1               | Rel-7   | C6               | ##   | 19/03/2010 | 100%     | <a href="#">CP-090450</a>      | Sagem O                 | i.com                   |             |     |     |
| 2041 | 2041 | 330001    | <b>High speed interface between the UIC</b>    | HSI        | 1               | Rel-7   | C6               | ##   | 30/11/2007 | 100%     | <a href="#">CP-070259</a>      | Gemalto                 | COM                     |             |     |     |
| 2042 | 2042 | 34030     | <b>Video Codec Performance Requirements</b>    | VICPer     | 1               | Rel-7   | S4               | ##   | 07/06/2007 | 100%     | <a href="#">SP-040836</a>      | Siemens                 | i.com                   |             |     |     |
| 2043 | 2043 | 34032     | <b>Dynamic and Interactive Multimedia S</b>    | DIMS       | 1               | Rel-7   | S4               | ##   | 07/06/2007 | 100%     | <a href="#">SP-050195</a>      | Streamaz                | i.com                   |             |     |     |
| 2044 | 2044 | 34034     | <b>3G-324M Video Telephony Call Setup</b>      | VTCSTI     | 1               | Rel-7   | S4               | ##   | 27/09/2006 | 100%     | <a href="#">SP-050404</a>      | Vodafone                | co.uk                   |             |     |     |
| 2045 | 2045 | 34035     | <b>Optimizations for Multimedia Telepho</b>    | OMTIMS     | 1               | Rel-7   | S4               | ##   | 28/09/2005 | 100%     | <a href="#">SP-060226</a>      | Ericsson                | .com                    |             |     |     |
| 2047 | 2047 | 34036     | <b>End-to-End Multimedia Services Perf</b>     | E2EMSPM    | 1               | Rel-7   | S4               | ##   | 15/03/2007 | 100%     | <a href="#">SP-050433</a>      | China Mo                | i.com                   |             |     |     |
| 2048 | 2048 | 34039     | <b>Packet Switched Streaming Enhancer</b>      | PSSe       | 1               | Rel-7   | S4               | ##   | 07/06/2007 | 100%     | <a href="#">SP-060361</a>      | Ericsson                | i.com                   |             |     |     |
| 2049 | 2049 | 35041     | <b>Rel-7 Operations, Administration, Mai</b>   | OAM7       | 1               | Rel-7   | S5               | ##   | 26/06/2007 | 100%     | <a href="#">TR 30.817</a>      | Huawei                  | .com                    |             |     |     |
| 2077 | 2077 | 320007    | <b>Rel-7 Charging Management small En</b>      | CH7        | 1               | Rel-7   | S5               | ##   | 14/06/2007 | 100%     | <a href="#">TR 30.817</a>      | Orange                  | .com                    |             |     |     |
| 2080 | 2080 | 2468      | <b>Multiple-Input Multiple-Output (MIMO)</b>   | MIMO       | 1               | Rel-7   | R1,R5            | ##   | 07/03/2008 | 100%     | <a href="#">RP-030192</a>      | Alcatel-L               | .com                    |             |     |     |
| 2087 | 2087 | 20028     | <b>Rel-7 Improvements of the Radio Inter</b>   | RlnImp     | 1               | Rel-7   | RP,GP            | ##   | 04/06/2007 | 100%     | -                              | -                       |                         |             |     |     |
| 2102 | 2102 | 25025     | <b>Rel-7 Improvements of the Radio Inter</b>   | RlnImp-UEC | 1               | Rel-7   | R5               | ##   | 12/09/2008 | 100%     | <a href="#">not applicable</a> | -                       |                         |             |     |     |
| 2111 | 2111 | 20029     | <b>Rel-7 RAN improvements</b>                  | RANimp     | 1               | Rel-7   | RP,S5            | ##   | 15/06/2007 | 100%     | -                              | -                       | -                       |             |     |     |
| 2126 | 2126 | 25026     | <b>Rel-7 RAN improvements - UE Confor</b>      | RANimp-UEC | 1               | Rel-7   | R5               | ##   | 18/09/2009 | 100%     | <a href="#">not applicable</a> | -                       |                         |             |     |     |
| 2133 | 2133 | 20014     | <b>7.68 Mcps TDD option</b>                    | VHCRTDD    | 1               | Rel-7   | R1,R2,F          | ##   | 14/09/2007 | 100%     | <a href="#">RP-060119</a>      | IPwireles               | com)                    |             |     |     |
| 2140 | 2140 | 20035     | <b>3.84 Mcps TDD Enhanced Uplink</b>           | EDCHTDD    | 1               | Rel-7   | RP               | ##   | 15/09/2006 | 100%     | <a href="#">RP-050100</a>      | IPwireles               | .com                    |             |     |     |
| 2146 | 2146 | 20055     | <b>1.28 Mcps TDD Enhanced Uplink</b>           | LCRTDD-ED  | 1               | Rel-7   | R1,R2,F          | ##   | 12/09/2008 | 100%     | <a href="#">RP-060202</a>      | CATT                    | g Hu                    |             |     |     |
| 2152 | 2152 | 490016    | <b>Conformance Test Aspects – Multiple</b>     | LCRTDD_ME  | 1               | Rel-7   | R5               | ##   | 16/09/2011 | 100%     | <a href="#">RP-100805</a>      | CATR                    | tr.cn)                  |             |     |     |
| 2153 | 2153 | 50118     | <b>MS Antenna Performance Evaluation I</b>     | APEMR      | 1               | Rel-7   | GP               | ##   | 16/11/2007 | 100%     | <a href="#">GP-050284</a>      | TeliaSone               | i.com                   |             |     |     |
| 2154 | 2154 | 50119     | <b>Lower 700 MHz Inclusion in the GERAN</b>    | GSM710     | 1               | Rel-7   | GP               | ##   | 30/06/2006 | 100%     | <a href="#">GP-050543</a>      | UTC                     | .com                    |             |     |     |
| 2158 | 2158 | 50564     | <b>Support of Conversational Services in</b>   | SCSAGB     | 1               | Rel-7   | GP               | ##   | 31/08/2007 | 100%     | <a href="#">GP-061501</a>      | Ericsson                | .com                    |             |     |     |
| 2164 | 2164 | 50565     | <b>Addition of new frequency band to G</b>     | TGSM810    | 1               | Rel-7   | GP               | ##   | 31/08/2007 | 100%     | <a href="#">GP-050945</a>      | Huawei                  | .com                    |             |     |     |
| 2168 | 2168 | 50567     | <b>Handover of dedicated and shared res</b>    | HODSRDTM   | 1               | Rel-7   | GP               | ##   | 17/11/2006 | 100%     | <a href="#">GP-050979</a>      | Nokia                   | .com                    |             |     |     |
| 2172 | 2172 | 50569     | <b>Mobile Station Receive Diversity (DAR</b>   | MSRD2      | 1               | Rel-7   | GP               | ##   | 16/11/2007 | 100%     | <a href="#">GP-061491</a>      | Nokia                   | .com                    |             |     |     |
| 2177 | 2177 | 50579     | <b>Downlink Dual Carrier</b>                   | GDCDL      | 1               | Rel-7   | GP               | ##   | 04/09/2009 | 100%     | <a href="#">GP-061331</a>      | Nokia Si                | co.uk                   |             |     |     |
| 2181 | 2181 | 50580     | <b>Support of SIGTRAN in GERAN</b>             | GSIGT      | 1               | Rel-7   | GP               | ##   | 30/06/2006 | 100%     | <a href="#">GP-060450</a>      | Ericsson                | i.com                   |             |     |     |
| 2182 | 2182 | 50582     | <b>Latency Reductions</b>                      | LATRED     | 1               | Rel-7   | GP               | ##   | 31/08/2007 | 100%     | <a href="#">GP-061519</a>      | Ericsson                | .com                    |             |     |     |
| 2185 | 2185 | 52147     | <b>PS Handover between GERAN/UTRAN</b>         | GUGAN      | 1               | Rel-7   | G2               | ##   | 16/02/2007 | 100%     | <a href="#">GP-061349</a>      | Ericsson                | i.com                   |             |     |     |
| 2186 | 2186 | 50584     | <b>Higher Uplink performance for GERAN</b>     | HUGE       | 1               | Rel-7   | GP               | ##   | 20/05/2011 | 100%     | <a href="#">GP-071083</a>      | Nokia Si                | .com                    |             |     |     |
| 2193 | 2193 | 50121     | <b>Reduced symbol Duration, Higher Or</b>      | REDHOT     | 1               | Rel-7   | GP               | ##   | 20/05/2011 | 100%     | <a href="#">GP-071080</a>      | Ericsson                | .com                    |             |     |     |

| ID   | ID   | Jnique_IC | Name  | Acronym      | Outlin<br>Level | Release | Resourc<br>Names | itat | Finish     | % Comple | Hyperlink                      | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|---|--------------|-----------------|---------|------------------|------|------------|----------|--------------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |   |              |                 |         |                  |      |            |          |                                |                         |                         | Jul         | Sep | Nov |
| 2198 | 2198 | 60110     | (Small) Technical Enhancements and                      | TEI7         | 1               | Rel-7   | All              | ##   | 26/03/2007 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 2199 | 2199 | 25030     | Test - (Small) Technical Enhancement                    | TEI7_Test    | 1               | Rel-7   | R5               | ##   | 28/11/2007 | 100%     | <a href="#">not applicable</a> | -                       | -                       |             |     |     |
| 2200 | #### | 32113     | Deleted - PS domain and IMS support for IMS Emergen     | IMS-EMER     | 1               | Rel-7   | S2               | ##   | 21/09/2006 | 100%     | <a href="#">SP-050604</a>      | Nokia                   | i.com                   |             |     |     |
| 2203 | #### | 32005     | Deleted - IMS Local services                            | IMSLocal     | 1               | Rel-7   | S2               | ##   | 06/01/2006 | 100%     | -                              | -                       | -                       |             |     |     |
| 2206 | #### | 32078     | Deleted - IMS Phase 3                                   | -            | 1               | Rel-7   | S2               | ##   | 06/01/2006 | 100%     | -                              | -                       | -                       |             |     |     |
| 2207 | #### | 701216    | Deleted - Improvements of Radio Interface               | RInImp       | 1               | Rel-7   | RP               | ##   | 15/09/2004 | 100%     | <a href="#">RAN_WI</a>         | -                       | -                       |             |     |     |
| 2208 | #### | 14018     | Deleted: Generic User Profile Phase 2                   | -            | 1               | Rel-7   | C4               | ##   | 30/06/2006 | 100%     | -                              | -                       | -                       |             |     |     |
| 2209 | #### | 42003     | Deleted - Stage 3 - Common objects                      | -            | 1               | Rel-7   | C4               | ##   | 30/06/2006 | 100%     | <a href="#">TP-020275</a>      | -                       | -                       |             |     |     |
| 2210 | 2210 | 0         | Release 7 Studies                                       | -            | 1               | Rel-7   | CP,GP,I          | ##   | 17/09/2007 | 100%     | -                              | -                       | -                       |             |     |     |
| 2211 | 2211 | 31082     | Study on Multimedia Telephony Capa                      | MITE         | 1               | Rel-7   | S1               | ##   | 31/07/2006 | 100%     | <a href="#">SP-050387</a>      | Ericsson                | i.com                   |             |     |     |
| 2212 | 2212 | 31050     | Study on Behaviour of Multi system U                    | BMSU         | 1               | Rel-7   | S1               | ##   | 15/12/2005 | 100%     | <a href="#">SP-050502</a>      | Qualcom                 | i.com                   |             |     |     |
| 2213 | 2213 | 31055     | Study on Combining CS calls and IMS                     | IRTS-D-CS_IM | 1               | Rel-7   | S1               | ##   | 17/03/2005 | 100%     | <a href="#">SP-040467</a>      | TeliaSon                | i.com                   |             |     |     |
| 2214 | 2214 | 31059     | Study on All-IP Network                                 | FS_AIPN      | 1               | Rel-7   | S1               | ##   | 16/03/2005 | 100%     | <a href="#">SP-040303</a>      | NTT DoC                 | co.jp                   |             |     |     |
| 2215 | 2215 | 31075     | Study on Videotelephony teleservice                     | VidTel       | 1               | Rel-7   | S1               | ##   | 17/01/2006 | 100%     | <a href="#">SP-050506</a>      | T-Mobile                | le.at                   |             |     |     |
| 2216 | 2216 | 31073     | Study on Network Selection Principles                   | NetSel       | 1               | Rel-7   | S1               | ##   | 08/12/2005 | 100%     | <a href="#">SP-050227</a>      | O2                      | !.com                   |             |     |     |
| 2217 | 2217 | 31041     | Study on Multimedia Priority Service                    | PRIOR-MM     | 1               | Rel-7   | S1               | ##   | 30/06/2006 | 100%     | <a href="#">SP-060329</a>      | Telcordia               | .com                    |             |     |     |
| 2218 | 2218 | 31083     | Study on Transferring of emergency C                    | eCALL        | 1               | Rel-7   | S1               | ##   | 31/03/2006 | 100%     | <a href="#">SP-050388</a>      | Motorola                | .com                    |             |     |     |
| 2219 | 2219 | 32073     | Study on Enhancement of E2E QoS                         | QoS7         | 1               | Rel-7   | S2               | ##   | 15/09/2005 | 100%     | <a href="#">SP-040326</a>      | Huawei                  | laks                    |             |     |     |
| 2220 | 2220 | 35066     | Study on SOAP/HTTP IRP Solution Se                      | OAM7-NIM-X   | 1               | Rel-7   | S5               | ##   | 07/12/2006 | 100%     | <a href="#">SP-050610</a>      | Nortel                  | .com                    |             |     |     |
| 2221 | 2221 | 35067     | Study on Itf-N Implementation Confor                    | OAM7-NIM-IC  | 1               | Rel-7   | S5               | ##   | 15/03/2007 | 100%     | <a href="#">SP-050609</a>      | China Mo                | .com                    |             |     |     |
| 2222 | 2222 | 35068     | Study on IRP Information Model                          | OAM7-NIM-IM  | 1               | Rel-7   | S5               | ##   | 15/03/2007 | 100%     | <a href="#">SP-050611</a>      | Motorola                | .com                    |             |     |     |
| 2223 | 2223 | 7034      | Study on Bandwidth Saving at Nb Inte                    | BSNblIP      | 1               | Rel-7   | C3               | ##   | 09/03/2007 | 100%     | <a href="#">CP-060438</a>      | Siemens                 | i.com                   |             |     |     |
| 2224 | 2224 | 14019     | Study on Routeing of MT-SMS via the                     | SMS7         | 1               | Rel-7   | C4               | ##   | 01/12/2006 | 100%     | <a href="#">CP-060701</a>      | Vodafone                | i.com                   |             |     |     |
| 2225 | 2225 | 7025      | Study on the TCAPsec Gateway conce                      | SEC7-TCAP    | 1               | Rel-7   | C4               | ##   | 10/03/2006 | 100%     | <a href="#">CP-050687</a>      | Siemens                 | ag.de                   |             |     |     |
| 2226 | 2226 | 7050      | Study on using M2PA in 3GPP networ                      | FS-M2PA      | 1               | Rel-7   | C4               | ##   | 08/06/2007 | 100%     | <a href="#">CP-060698</a>      | China Mo                | i.com                   |             |     |     |
| 2227 | 2227 | 320018    | Study on Support of (G)MSC-S - (G)M                     | NcSIP        | 1               | Rel-7   | C4,C3            | ##   | 14/09/2007 | 100%     | <a href="#">CP-070034</a>      | Vodafone                | i.com                   |             |     |     |
| 2230 | 2230 | 20023     | Study on Evolved UTRA and UTRAN                         | RANFS-Evo    | 1               | Rel-7   | RP               | ##   | 15/09/2006 | 100%     | <a href="#">RP-040461</a>      | NTT DoC                 | O.JP                    |             |     |     |
| 2231 | 2231 | 20034     | Study on Performance Evaluation of t                    | RANFS-HSTr   | 1               | Rel-7   | R4               | ##   | 15/06/2006 | 100%     | <a href="#">RP-050146</a>      | Vodafone                | i.com                   |             |     |     |
| 2232 | 2232 | 20041     | Study on UTRA Tower Mounted Ampli                       | RANFS-TMA    | 1               | Rel-7   | R4               | ##   | 14/03/2006 | 100%     | <a href="#">RP-050387</a>      | Ericsson                | i.com                   |             |     |     |
| 2233 | 2233 | 20044     | Study on Continuous connectivity for                    | RANFS-cont   | 1               | Rel-7   | R1               | ##   | 14/09/2005 | 100%     | <a href="#">RP-050391</a>      | Siemens                 | i.com                   |             |     |     |
| 2234 | 2234 | 20051     | Study on Improvement of the Multime                     | RANFS-MBM    | 1               | Rel-7   | R2               | ##   | 15/12/2006 | 100%     | <a href="#">RP-050746</a>      | LG Electr               | i.com                   |             |     |     |
| 2235 | 2235 | 20052     | Study on Performance Improvements                       | SMALLCELL    | 1               | Rel-7   | R4               | ##   | 15/06/2006 | 100%     | <a href="#">RP-050782</a>      | Cingular                | Grant                   |             |     |     |
| 2236 | 2236 | 20053     | Study on Further Improved Performan                     | RANFS-IC     | 1               | Rel-7   | R4               | ##   | 04/06/2007 | 100%     | <a href="#">RP-050880</a>      | Cingular                | Grant                   |             |     |     |
| 2237 | 2237 | 20065     | Study on Scope of future FDD HSPA E                     | RANFS-HSP    | 1               | Rel-7   | RP               | ##   | 17/09/2007 | 100%     | <a href="#">RP-060217</a>      | Cingular                | .com                    |             |     |     |
| 2238 | 2238 | 330013    | Study on Dynamically reconfiguring a                    | FSUEPow      | 1               | Rel-7   | R4               | ##   | 22/06/2007 | 100%     | <a href="#">RP-060641</a>      | Nokia                   | i.com                   |             |     |     |
| 2239 | 2239 | 50568     | Study on Future GERAN Evolution                         | FGE          | 1               | Rel-7   | GP               | ##   | 16/02/2007 | 100%     | <a href="#">GP-051052</a>      | Nokia                   | i.com                   |             |     |     |
| 2240 | 2240 | 50120     | Study on GAN Enhancements                               | EGAN         | 1               | Rel-7   | GP               | ##   | 31/08/2007 | 100%     | <a href="#">GP-062298</a>      | T-Mobile                | i.com                   |             |     |     |
| 2241 | #### | 31054     | Deleted - Study on IMS with real time services deployme | IRTS-D       | 1               | Rel-7   | S1               | ##   | 12/09/2005 | 100%     | <a href="#">SP-040465</a>      | -                       | -                       |             |     |     |
| 2242 | #### | 31077     | Deleted - Covered by SI - Personal Network (PN) and P   | PNPAN        | 1               | Rel-7   | S1               | ##   | 20/12/2005 | 100%     | <a href="#">SP-050386</a>      | Vodafone                | i.com                   |             |     |     |
| 2243 | #### | 7011      | Deleted - Study on Personal Network and Personal Area   | PNPAN        | 1               | Rel-7   | S1               | ##   | 20/10/2006 | 100%     | -                              | -                       | -                       |             |     |     |
| 2244 | #### | 31078     | Deleted - Covered by SI - Multimedia Telephony Capabil  | MITE         | 1               | Rel-7   | S1               | ##   | 20/12/2005 | 100%     | <a href="#">SP-050387</a>      | Ericsson                | i.com                   |             |     |     |
| 2245 | #### | 31079     | Deleted - Covered by SI - Transferring of emergency Ca  | eCALL        | 1               | Rel-7   | S1               | ##   | 08/12/2005 | 100%     | <a href="#">SP-050388</a>      | Motorola                | i.com                   |             |     |     |
| 2246 | #### | 31080     | Deleted - Covered by SI - MBMS Enhancements             | MBMSE        | 1               | Rel-7   | S1               | ##   | 08/12/2005 | 100%     | <a href="#">SP-050389</a>      | China Mo                | i.com                   |             |     |     |

| ID   | ID   | Jnique_IC | Name  | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | itat | Finish     | % Comple | Hyperlink                    | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|---|-------------|-----------------|---------|------------------|------|------------|----------|------------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |      |           |   |             |                 |         |                  |      |            |          |                              |                         |                           | Jul         | Sep | Nov |
| 2247 | #### | 31087     | <i>Deleted - Study on Customised Alerting Tone (CAT) Rec</i>    | CAT         | 1               | Rel-7   | S1               | ##   | 30/06/2006 | 100%     | <a href="#">SP-050607</a>    | -                       |                           |             |     |     |
| 2248 | #### | 320017    | <i>Deleted - Study on LCS architecture for I-WLAN (covered</i>  | IMS-SE      | 1               | Rel-7   | S2               | ##   | 08/12/2006 | 100%     | -                            | LG Electr               | i.cor                     |             |     |     |
| 2249 | #### | 732028    | <i>Deleted - IMS security extensions (covered by UID3302</i>    | IMS-SE      | 1               | Rel-7   | S3               | ##   | 08/12/2005 | 100%     | <a href="#">SP-050395</a>    | Ericsson                | l.com                     |             |     |     |
| 2250 | #### | 32029     | <i>Deleted - Study on applicability of GALILEO for LCS</i>      | Galileo     | 1               | Rel-7   | S2               | ##   | 30/06/2005 | 100%     | <a href="#">SP-020541</a>    | -                       |                           |             |     |     |
| 2253 | #### | 32076     | <i>Deleted - Study on Stage 2 (IMS services using CS bear</i>   | IRTSD-IMSC  | 1               | Rel-7   | S2               | ##   | 12/09/2005 | 100%     | <a href="#">SP-040479</a>    | Nortel                  | atson                     |             |     |     |
| 2254 | #### | 32099     | <i>Deleted - VoIMS bearer related enhancements</i>              | VoIMS       | 1               | Rel-7   | S2               | ##   | 21/07/2006 | 100%     | -                            | -                       |                           |             |     |     |
| 2256 | #### | 32112     | <i>Deleted - Study on IMS enhancements and optimizations</i>    | IMS-RT      | 1               | Rel-7   | S2               | ##   | 01/06/2007 | 100%     | <a href="#">SP-050492</a>    | Ericsson                | l.com                     |             |     |     |
| 2257 | #### | 32117     | <i>Deleted - Study on Terminating Session handling</i>          | CSItem      | 1               | Rel-7   | S2               | ##   | 29/12/2006 | 100%     | <a href="#">SP-050811</a>    | Samsung                 |                           |             |     |     |
| 2258 | #### | 34040     | <i>Deleted - Study on Transferring of emergency call data -</i> | eCALLIBMS   | 1               | Rel-7   | S4               | ##   | 22/06/2007 | 100%     | <a href="#">SP-060935</a>    | Airbiquity              | l.com                     |             |     |     |
| 2259 | #### | 35045     | <i>Deleted - Study on IRP usage scenarios</i>                   | OAM-Study   | 1               | Rel-7   | S5               | ##   | 07/12/2006 | 100%     | <a href="#">SP-050303</a>    | Lucent                  | -                         |             |     |     |
| 2260 | #### | 360009    | <i>Deleted - Study on Interference Cancellation for UTRA F</i>  | RANFS-Inter | 1               | Rel-7   | R4               | ##   | 28/03/2007 | 100%     | -                            | -                       |                           |             |     |     |
| 2261 | #### | 50552     | <i>Deleted - Study on enhanced support of Video Telephon</i>    | VIDGER      | 1               | Rel-7   | GP               | ##   | 30/06/2006 | 100%     | <a href="#">GP-042221</a>    | Ericsson                | l.com                     |             |     |     |
| 2262 | 2262 | 0         | <b>Release 6 Features</b>                                       | -           | 1               | Rel-6   | NP,GP,           | ##   | 30/12/2005 | 100%     | -                            | -                       |                           |             |     |     |
| 2263 | 2263 | 1216      | <b>Rel-6 Improvements of Radio Interfac</b>                     | RlnImp      | 1               | Rel-6   | R2,R4,F          | ##   | 01/12/2006 | 100%     | <a href="#">RAN WI</a>       | -                       |                           |             |     |     |
| 2277 | 2277 | 3         | <b>Rel-6 RAN Feasibility Studies</b>                            | -           | 1               | Rel-6   | RP               | ##   | 14/03/2005 | 100%     | <a href="#">N WI History</a> | -                       |                           |             |     |     |
| 2288 | 2288 | 20003     | <b>FDD Enhanced Uplink</b>                                      | EDCH        | 1               | Rel-6   | R2,R1,F          | ##   | 14/09/2007 | 100%     | <a href="#">RAN WI</a>       | Ericsson                | tröm                      |             |     |     |
| 2295 | 2295 | 9         | <b>Rel-6 RAN improvements</b>                                   | RANimp      | 1               | Rel-6   | RP,S5            | ##   | 14/03/2005 | 100%     | <a href="#">RAN WI</a>       | -                       | -                         |             |     |     |
| 2309 | 2309 | 32023     | <b>Location Services enhancements 2</b>                         | LCS2        | 1               | Rel-6   | S2,S5,N          | ##   | 16/12/2004 | 100%     | <a href="#">SP-030127</a>    | Nokia                   | i Káll                    |             |     |     |
| 2332 | 2332 | 1571      | <b>Rel-6 Security enhancements</b>                              | SEC1        | 1               | Rel-6   | S3               | ##   | 26/11/2004 | 100%     | <a href="#">SP-000421</a>    | Vodafone                | l.com                     |             |     |     |
| 2339 | 2339 | 33020     | <b>Network Domain Security; MAP applic</b>                      | MAPSEC      | 1               | Rel-6   | S3               | ##   | 29/12/2004 | 100%     | <a href="#">SP-040280</a>    | Vodafone                | l.com                     |             |     |     |
| 2340 | 2340 | 32021     | <b>IMS Phase 2</b>  | IMS2        | 1               | Rel-6   | S1,S2,S          | ##   | 14/09/2007 | 100%     | -                            | -                       | -                         |             |     |     |
| 2375 | 2375 | 32063     | <b>3GPP Enablers for services like Push</b>                     | PoC         | 1               | Rel-6   | S2,S4,S          | ##   | 09/06/2005 | 100%     | <a href="#">SP-030384</a>    | Ericsson                | Itana                     |             |     |     |
| 2380 | 2380 | 32062     | <b>Study on Interworking aspects and mi</b>                     | IPv4IMS     | 1               | Rel-6   | S2               | ##   | 25/06/2004 | 100%     | <a href="#">SP-040327</a>    | Siemens                 | ilinski                   |             |     |     |
| 2381 | 2381 | 11032     | <b>Interoperability and Commonality betw</b>                    | IMSCOOP     | 1               | Rel-6   | S2               | ##   | 12/12/2003 | 100%     | -                            | -                       |                           |             |     |     |
| 2385 | 2385 | 1365      | <b>Support of Push Services</b>                                 | PUSH        | 1               | Rel-6   | S1               | ##   | 27/02/2004 | 100%     | <a href="#">SP-000669</a>    | NTT Con                 | itada                     |             |     |     |
| 2388 | 2388 | 42009     | <b>Rel-6 Multimedia Messaging (MMS) er</b>                      | MMS6        | 1               | Rel-6   | T2,S1,S          | ##   | 07/12/2005 | 100%     | <a href="#">TP-030175</a>    | Siemens                 | IS.DE                     |             |     |     |
| 2397 | 2397 | 42005     | <b>Rel-6 MExE enhancements</b>                                  | MEXE6       | 1               | Rel-6   | T2               | ##   | 06/06/2003 | 100%     | -                            | -                       |                           |             |     |     |
| 2400 | 2400 | 2062      | <b>Subscription Management</b>                                  | SuM         | 1               | Rel-6   | S5               | ##   | 17/03/2005 | 100%     | <a href="#">SP-040763</a>    | T-Mobile                | jile.at                   |             |     |     |
| 2401 | 2401 | 2499      | <b>Presence Capability</b>                                      | PRESNC      | 1               | Rel-6   | S1,S2,S          | ##   | 07/12/2005 | 100%     | <a href="#">SP-010064</a>    | Motorola                | taldo                     |             |     |     |
| 2409 | 2409 | 50056     | <b>Enhanced A/Gb feasibility study</b>                          | AGbEnFS     | 1               | Rel-6   | GP               | ##   | 08/11/2002 | 100%     | <a href="#">GP-022565</a>    | Vodafone                | co.uk                     |             |     |     |
| 2417 | 2417 | 50063     | <b>Flexible Layer One for GERAN</b>                             | FLOGER      | 1               | Rel-6   | GP,S3            | ##   | 25/06/2004 | 100%     | <a href="#">GP-021018</a>    | Nokia                   | l.com                     |             |     |     |
| 2435 | 2435 | 50041     | <b>Uplink TDOA feasibility study</b>                            | TDOAF       | 1               | Rel-6   | GP               | ##   | 28/06/2002 | 100%     | <a href="#">GP-012794</a>    | TruePosit               | com)                      |             |     |     |
| 2436 | 2436 | 2544      | <b>Multimedia Broadcast and Multicast S</b>                     | MBMS        | 1               | Rel-6   | S1,S2,S          | ##   | 07/03/2008 | 100%     | -                            | -                       | -                         |             |     |     |
| 2471 | 2471 | 31006     | <b>Speech Recognition and Speech Enal</b>                       | SRSES       | 1               | Rel-6   | S1               | ##   | 30/12/2005 | 100%     | <a href="#">SP-010572</a>    | -                       |                           |             |     |     |
| 2477 | 2477 | 31008     | <b>Generic User Profile Rel-6</b>                               | GUP         | 1               | Rel-6   | S1,S3            | ##   | 03/03/2005 | 100%     | <a href="#">SP-040515</a>    | -                       | -                         |             |     |     |
| 2483 | 2483 | 31010     | <b>Digital Rights Management</b>                                | DRM         | 1               | Rel-6   | S1               | ##   | 28/05/2004 | 100%     | <a href="#">SP-010577</a>    | -                       |                           |             |     |     |
| 2489 | 2489 | 31012     | <b>WLAN-UMTS Interworking Rel-6</b>                             | WLAN        | 1               | Rel-6   | S1,S2,S          | ##   | 22/09/2005 | 100%     | <a href="#">SP-030712</a>    | Telenor                 | l.com                     |             |     |     |
| 2500 | 2500 | 31015     | <b>Priority Service</b>   | PRIOR1      | 1               | Rel-6   | S1               | ##   | 26/09/2003 | 100%     | <a href="#">SP-010523</a>    | Telcordia               | com)                      |             |     |     |
| 2504 | 2504 | 31018     | <b>Network Sharing</b>  | NTShar      | 1               | Rel-6   | S1,S2,N          | ##   | 10/03/2006 | 100%     | <a href="#">SP-010739</a>    | T-Mobile                | o.uk                      |             |     |     |
| 2511 | 2511 | 32016     | <b>QoS Improvements</b>   | QoS1        | 1               | Rel-6   | S2,N3            | ##   | 08/12/2004 | 100%     | <a href="#">SP-010719</a>    | Nokia                   |                           |             |     |     |
| 2515 | 2515 | 33002     | <b>Subscriber certificates</b>                                  | SEC1-SC     | 1               | Rel-6   | S3,S2,N          | ##   | 08/12/2004 | 100%     | <a href="#">SP-010622</a>    | Nokia                   | l.com                     |             |     |     |
| 2521 | 2521 | 15010     | <b>Rel-6 Open Service Access (OSA) enh</b>                      | OSA3        | 1               | Rel-6   | N5               | ##   | 10/03/2005 | 100%     | <a href="#">NP-040351</a>    | Alcatel                 | itel.fr                   |             |     |     |
| 2532 | 2532 | 50401     | <b>Addition of frequency bands to GSM (</b>                     | TAPS        | 1               | Rel-6   | GP               | ##   | 28/01/2005 | 100%     | <a href="#">GP-022072</a>    | Nokia                   | nsen                      |             |     |     |






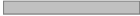



















| ID   | ID    | Jnique_IC | Name   | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | Itat | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|-------|-----------|--|-------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |       |           |  |             |                 |         |                  |      |            |          |                           |                         |                           | Jul         | Sep | Nov |
| 2537 | 2537  | 50130     | Seamless support of streaming service                    | SSStrea     | 1               | Rel-6   | GP,S3            | ##   | 17/06/2005 | 100%     | <a href="#">GP-022561</a> | Vodafone                | inez                      |             |     |     |
| 2552 | 2552  | 34300     | Performance characterisation of defau                    | CODCAR      | 1               | Rel-6   | S4               | ##   | 10/06/2004 | 100%     | <a href="#">SP-020433</a> | Nokia                   | i.com                     |             |     |     |
| 2553 | 2553  | 31030     | Study on Privacy Capability                              | PrivCap     | 1               | Rel-6   | S1               | ##   | 03/03/2004 | 100%     | <a href="#">SP-020579</a> | Lucent                  | .com)                     |             |     |     |
| 2554 | 2554  | 35010     | Rel-6 Operations, Administration, Mai                    | OAM         | 1               | Rel-6   | S5               | ##   | 11/03/2005 | 100%     | <a href="#">SP-040766</a> | -                       | -                         |             |     |     |
| 2562 | 2562  | 35016     | Rel-6 Charging Management                                | CH          | 1               | Rel-6   | S5               | ##   | 09/06/2005 | 100%     | <a href="#">SP-040773</a> | T-Mobile                | ile.de                    |             |     |     |
| 2580 | 2580  | 1800      | Rel-6 UICC/USIM enhancements and i                       | USAT1       | 1               | Rel-6   | T3               | ##   | 10/03/2005 | 100%     | -                         | -                       |                           |             |     |     |
| 2591 | 2591  | 34022     | Packet Switched Streaming Services I                     | PSSrel6     | 1               | Rel-6   | S4,S1            | ##   | 07/12/2005 | 100%     | <a href="#">SP-020685</a> | Ericsson                | .com                      |             |     |     |
| 2594 | 2594  | 34023     | AMR-WB extension for high audio qu                       | AMRWB+      | 1               | Rel-6   | S4               | ##   | 07/12/2005 | 100%     | <a href="#">SP-030083</a> | Nokia                   | i.com                     |             |     |     |
| 2595 | 2595  | 34027     | Codec Enhancements for Packet Swit                       | CEPSCM      | 1               | Rel-6   | S4               | ##   | 16/12/2004 | 100%     | <a href="#">SP-040066</a> | Nokia                   | i.com                     |             |     |     |
| 2596 | 2596  | 34028     | 3G-324M Improvements                                     | 3G-324MI    | 1               | Rel-6   | S4               | ##   | 16/12/2004 | 100%     | <a href="#">SP-040067</a> | Ericsson                | i.com                     |             |     |     |
| 2597 | 2597  | 51101     | Single Antenna Receiver Interference                     | SAIC        | 1               | Rel-6   | GP,G1            | ##   | 25/06/2004 | 100%     | <a href="#">GP-023400</a> | Cingular                | Grant                     |             |     |     |
| 2598 | 2598  | 12006     | Enhancement of dialled service for C/                    | EDCAMEL     | 1               | Rel-6   | S1,N2,N          | ##   | 31/12/2003 | 100%     | <a href="#">SP-020818</a> | Samsun                  | i.com                     |             |     |     |
| 2600 | 2600  | 32060     | Study on Bandwidth and resource sav                      | BARS        | 1               | Rel-6   | S2               | ##   | 16/06/2004 | 100%     | <a href="#">SP-030308</a> | -                       |                           |             |     |     |
| 2601 | 2601  | 50600     | Multiple TBF in A/Gb mode                                | MULTBF      | 1               | Rel-6   | GP,G2            | ##   | 28/01/2005 | 100%     | <a href="#">GP-021263</a> | Ericsson                | on.se                     |             |     |     |
| 2607 | 2607  | 50096     | Alignment between the test-regimes f                     | ALTERE      | 1               | Rel-6   | G3new            | ##   | 02/09/2005 | 100%     | <a href="#">GP-032236</a> | Ericsson                | com                       |             |     |     |
| 2609 | 2609  | 50444     | Addition of U-TDOA in the CS domain                      | UTDOACS     | 1               | Rel-6   | GP               | ##   | 23/04/2004 | 100%     | <a href="#">GP-032773</a> | TruePosit               | .com)                     |             |     |     |
| 2610 | 2610  | 50445     | Addition of U-TDOA in the PS domain                      | UTDOAPS     | 1               | Rel-6   | GP               | ##   | 12/11/2004 | 100%     | <a href="#">GP-032774</a> | TruePosit               | .com)                     |             |     |     |
| 2611 | 2611  | 50101     | Downlink Advanced Receiver Perform                       | DARP        | 1               | Rel-6   | GP               | ##   | 02/09/2005 | 100%     | <a href="#">GP-041966</a> | Nokia                   | i.com                     |             |     |     |
| 2621 | 2621  | 50109     | Reduction of PS service interruption i                   | PSintDTM    | 1               | Rel-6   | G2               | ##   | 24/06/2005 | 100%     | <a href="#">GP-032548</a> | Siemens                 | co.uk                     |             |     |     |
| 2627 | 2627  | 12008     | CAMEL prepay interworking with SCU                       | SCCAMEL     | 1               | Rel-6   | N4,N3,S          | ##   | 05/10/2004 | 100%     | <a href="#">NP-030584</a> | Nokia                   | .Com                      |             |     |     |
| 2628 | 2628  | 31046     | Circuit Switched Video and Voice Ser                     | CS_VSS      | 1               | Rel-6   | S2,N1            | ##   | 02/09/2005 | 100%     | <a href="#">SP-040331</a> | Vodafone                | itson                     |             |     |     |
| 2635 | 2635  | 13024     | Reorganisation of CS Data Specificati                    | CS Data     | 1               | Rel-6   | N3               | ##   | 08/12/2004 | 100%     | <a href="#">NP-040563</a> | Siemens                 | i.com                     |             |     |     |
| 2636 | 2636  | 50553     | Generic Access to A/Gb Interface (GA                     | GAAI        | 1               | Rel-6   | GP               | ##   | 20/01/2006 | 100%     | <a href="#">GP-042247</a> | Motorola                |                           |             |     |     |
| 2641 | 2641  | 50559     | Support of PS Handover for GERAN A                       | SPSHAGB     | 1               | Rel-6   | GP,G2            | ##   | 24/08/2005 | 100%     | <a href="#">GP-051160</a> | Ericsson                | .com                      |             |     |     |
| 2645 | 2645  | 33018     | Study on (U)SIM Security Reuse by Pe                     | -           | 1               | Rel-6   | S3               | ##   | 26/12/2003 | 100%     | <a href="#">SP-030341</a> | Toshiba                 | .com)                     |             |     |     |
| 2646 | 2646  | 33021     | Study on Security for early IMS                          | SEC-IMS     | 1               | Rel-6   | S3               | ##   | 28/03/2005 | 100%     | <a href="#">SP-040691</a> | Vodafone                | i.com                     |             |     |     |
| 2647 | 2647  | 60111     | (Small) Technical Enhancements and                       | TEI6        | 1               | Rel-6   | All              | ##   | 02/06/2006 | 100%     | -                         | -                       |                           |             |     |     |
| 2648 | 2648  | 25019     | Test - (Small) Technical Enhancement                     | TEI6_Test   | 1               | Rel-6   | R5,T1            | ##   | 06/05/2008 | 100%     | <a href="#">RAN5_WI</a>   | -                       |                           |             |     |     |
| 2649 | ##### | 31029     | Deleted - Study of Feature Interactions Requirements     | FINTER      | 1               | Rel-6   | S1               | ##   | 16/09/2004 | 100%     | <a href="#">SP-020578</a> | -                       |                           |             |     |     |
| 2650 | ##### | 50563     | Deleted - Enhancements of VGCS in public networks for    | EVGCS       | 1               | Rel-6   | GP,G2            | ##   | 02/09/2005 | 100%     | <a href="#">GP-041837</a> | Siemens                 | co.uk                     |             |     |     |
| 2651 | ##### | 50500     | Deleted - Support of Conversational Services in A/Gb m   | SCSAGB      | 1               | Rel-6   | GP,N1            | ##   | 19/02/2004 | 100%     | <a href="#">GP-030443</a> | Ericsson                | com)                      |             |     |     |
| 2658 | ##### | 2         | Deleted - Rel-6 Evolutions of the transport in the UTRAN | ETRAN       | 1               | Rel-6   | RP               | ##   | 31/12/2003 | 100%     | <a href="#">RAN_WI</a>    | Alcatel                 | urau                      |             |     |     |
| 2659 | 2659  | 0         | Release 5 Features                                       | -           | 1               | Rel-5   | NP,GP,           | ##   | 28/06/2002 | 100%     | -                         | -                       |                           |             |     |     |
| 2660 | 2660  | 625       | IP transport in the UTRAN                                | ETRAN-IPtra | 1               | Rel-5   | R3               | ##   | 29/03/2002 | 100%     | <a href="#">RAN_Wis</a>   | Alcatel                 | evon                      |             |     |     |
| 2661 | 2661  | 2455      | FS on Usage of SUA                                       | SS7IP       | 1               | Rel-5   | N4               | ##   | 21/12/2001 | 100%     | <a href="#">NP-010460</a> | -                       |                           |             |     |     |
| 2662 | 2662  | 2476      | High Speed Downlink Packet Access                        | HSDPA       | 1               | Rel-5   | R2,R5            | ##   | 09/03/2007 | 100%     | <a href="#">RAN_WI</a>    | Motorola                | hotia                     |             |     |     |
| 2669 | 2669  | 501216    | Rel-5 Improvements of Radio Interfac                     | RlnImp      | 1               | Rel-5   | RP               | ##   | 30/08/2002 | 100%     | <a href="#">RAN_Wis</a>   | -                       |                           |             |     |     |
| 2682 | 2682  | 500009    | Rel-5 RAN improvements                                   | RANimp      | 1               | Rel-5   | RP               | ##   | 09/03/2007 | 100%     | <a href="#">RAN_Wis</a>   | -                       |                           |             |     |     |
| 2700 | 2700  | 23004     | UTRAN Sharing in Connected Mode                          | NETSHARE    | 1               | Rel-5   | R3               | ##   | 03/09/2002 | 100%     | -                         | Ericsson                | lsson                     |             |     |     |
| 2701 | 2701  | 1273      | Provisioning of IP-based multimedia s                    | IMS         | 1               | Rel-5   | S1,S2,S          | ##   | 01/12/2006 | 100%     | <a href="#">SP-000216</a> | Openwa                  | taldo                     |             |     |     |
| 2777 | 2777  | 34001     | Extended Transparent End-to-End PS                       | PSS-E       | 1               | Rel-5   | S4               | ##   | 17/03/2003 | 100%     | <a href="#">SP-010392</a> | Ericsson                | .com                      |             |     |     |
| 2782 | 2782  | 501637    | Rel-5 Open Service Access (OSA) enh                      | OSA1        | 1               | Rel-5   | S1,S3            | ##   | 20/12/2002 | 100%     | <a href="#">SP-000216</a> | Siemens                 | b.eu)                     |             |     |     |
| 2811 | 2811  | 1638      | CAMEL phase 4  | CAMEL4      | 1               | Rel-5   | S1               | ##   | 06/09/2002 | 100%     | <a href="#">NP-020486</a> | Nokia                   | i.com                     |             |     |     |

| ID   | ID   | Jnique_IC | Name   | Acronym     | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                  | WI<br>apporteur<br>name | WI<br>porteur<br>a-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|-------------|-----------------|---------|------------------|------|------------|----------|----------------------------|-------------------------|-------------------------|-------------|-----|-----|
|      |      |           |  |             |                 |         |                  |      |            |          |                            |                         |                         | Jul         | Sep | Nov |
| 2825 | 2825 | 2464      | Rel-5 MExE enhancements                              | MEXE5       | 1               | Rel-5   | T2               | ##   | 08/03/2002 | 100%     | -                          | -                       | -                       |             |     |     |
| 2827 | 2827 | 1625      | Wideband Telephony Service - AMR                     | AMRWB       | 1               | Rel-5   | S4               | ##   | 19/12/2003 | 100%     | <a href="#">SP-99354</a>   | Siemens                 | ts.de                   |             |     |     |
| 2860 | 2860 | 1826      | Rel-5 Terminal interfaces                            | TI          | 1               | Rel-5   | T2               | ##   | 20/03/2002 | 100%     | -                          | -                       | -                       |             |     |     |
| 2862 | 2862 | 1536      | Rel-5 Location Services enhancement                  | LCS1        | 1               | Rel-5   | S2,S1,S          | ##   | 27/06/2003 | 100%     | <a href="#">SP-010518</a>  | Nokia                   | i Kall                  |             |     |     |
| 2897 | 2897 | 501571    | Rel-5 Security enhancements                          | -           | 1               | Rel-5   | S3               | ##   | 28/06/2002 | 100%     | <a href="#">SP-000421</a>  | Vodafone                | .com                    |             |     |     |
| 2906 | 2906 | 2243      | Intra Domain Connection of RAN Node                  | IUFLEX      | 1               | Rel-5   | S2,N1,N          | ##   | 28/06/2002 | 100%     | <a href="#">SP-000619</a>  | Ericsson                | .com                    |             |     |     |
| 2917 | 2917 | 2320      | Deleted - GERAN improvements 3 (new transport layer) | GEIMP3      | 1               | Rel-5   | GP               | ##   | 20/12/2002 | 100%     | <a href="#">GP-010909</a>  | -                       | -                       |             |     |     |
| 2921 | 2921 | 501142    | Rel-5 Charging Management & Operat                   | OAM         | 1               | Rel-5   | S5               | ##   | 12/09/2002 | 100%     | <a href="#">SP-010461</a>  | -                       | -                       |             |     |     |
| 2926 | 2926 | 2392      | GERAN enhancements for streaming                     | -           | 1               | Rel-5   | GP               | ##   | 28/06/2002 | 100%     | <a href="#">GP--010429</a> | -                       | -                       |             |     |     |
| 2929 | 2929 | 2396      | GERAN enhancements for streaming                     | -           | 1               | Rel-5   | GP               | ##   | 28/06/2002 | 100%     | <a href="#">GP-010430</a>  | Ericsson                | luller                  |             |     |     |
| 2935 | 2935 | 2412      | GERAN/UTRAN interface evolution 1 (                  | GERUEV1     | 1               | Rel-5   | GP,R3            | ##   | 28/06/2002 | 100%     | <a href="#">GP-010481</a>  | SBC                     | grant                   |             |     |     |
| 2939 | 2939 | 2416      | GERAN/UTRAN interface evolution 2 (                  | GERUEV2     | 1               | Rel-5   | GP,R3            | ##   | 28/06/2002 | 100%     | <a href="#">GP-010417</a>  | -                       | -                       |             |     |     |
| 2943 | 2943 | 2556      | End to End QoS for PS Domain includ                  | E2EQoS      | 1               | Rel-5   | S2,S5,N          | ##   | 28/06/2002 | 100%     | <a href="#">SP-010343</a>  | Ericsson                | on.se                   |             |     |     |
| 2947 | 2947 | 2569      | Rel-5 Messaging enhancements                         | MESS5       | 1               | Rel-5   | T2               | ##   | 31/03/2003 | 100%     | -                          | -                       | -                       |             |     |     |
| 2956 | 2956 | 50001     | GERAN Inter BSC NACC improvement                     | GERNACC     | 1               | Rel-5   | GP               | ##   | 28/06/2002 | 100%     | <a href="#">GP-012313</a>  | -                       | -                       |             |     |     |
| 2963 | 2963 | 50033     | Enhanced Power Control                               | EPC         | 1               | Rel-5   | GP               | ##   | 19/12/2003 | 100%     | <a href="#">GP-012748</a>  | -                       | -                       |             |     |     |
| 2967 | 2967 | 50037     | 8PSK AMR HR  | 8PSK-AH     | 1               | Rel-5   | GP               | ##   | 19/12/2003 | 100%     | <a href="#">GP-012752</a>  | -                       | -                       |             |     |     |
| 2979 | 2979 | 13000     | Service Change and UDI Fallback                      | SCUDIF      | 1               | Rel-5   | N3               | ##   | 07/06/2002 | 100%     | <a href="#">NP-020164</a>  | Ericsson                | on.no                   |             |     |     |
| 2980 | 2980 | 501800    | Rel-5 USIM toolkit enhancements                      | USAT1-Inter | 1               | Rel-5   | T3               | ##   | 26/09/2003 | 100%     | -                          | G & D                   | teyer                   |             |     |     |
| 2988 | 2988 | 30001     | (Small) Technical Enhancements and                   | TEI5        | 1               | Rel-5   | All              | ##   | 03/01/2000 | 100%     | -                          | -                       | -                       |             |     |     |
| 2989 | 2989 | 25018     | Test - (Small) Technical Enhancement                 | TEI5_Test   | 1               | Rel-5   | R5,T1            | ##   | 31/12/2008 | 100%     | <a href="#">RAN5_WI</a>    | -                       | -                       |             |     |     |
| 2990 | 2990 | 31013     | Technical Report on UE Functionality                 | UESPLIT     | 1               | Rel-5   | S1               | ##   | 01/05/2000 | 100%     | <a href="#">SP-010484</a>  | Motorola                | .com                    |             |     |     |
| 2991 | 2991 | 2520      | User Equipment Management                            | UEM         | 1               | Rel-5   | S5               | ##   | 28/06/2002 | 100%     | <a href="#">SP-010286</a>  | Vodafone                | co.uk                   |             |     |     |
| 2993 | 2993 | 50201     | Flow control supporting an MS with n                 | FlowCon     | 1               | Rel-5   | GP               | ##   | 30/08/2002 | 100%     | <a href="#">GP-021767</a>  | Ericsson                | on.se                   |             |     |     |
| 2999 | #### | 50058     | Deleted - Multiple TBF in A/Gb mode - Phase 1        | MULTBTF     | 1               | Rel-5   | GP               | ##   | 28/11/2003 | 100%     | <a href="#">GP-021263</a>  | Ericsson                | on.se                   |             |     |     |
| 3006 | 3006 | 2345      | Alignment of 3G functional split and l               | GER3GAL     | 1               | Rel-5   | GP               | ##   | 19/12/2003 | 100%     | <a href="#">GP-021256</a>  | Ericsson                | luller                  |             |     |     |
| 3053 | 3053 | 2330      | GERAN support for IMS                                | GERIMS      | 1               | Rel-5   | GP               | ##   | 20/12/2002 | 100%     | <a href="#">GP-010420</a>  | Nokia                   | amiti                   |             |     |     |
| 3065 | 3065 | 54001     | MS Conformance Testing of Dual Trar                  | MSCTDTM     | 1               | Rel-5   | G4,G5            | ##   | 07/02/2003 | 100%     | <a href="#">GP-023236</a>  | Vodafone                | g Fox                   |             |     |     |
| 3066 | 3066 | 32033     | Handling of early Ues                                | LATE_UE     | 1               | Rel-5   | S2               | ##   | 27/06/2003 | 100%     | <a href="#">SP-030125</a>  | -                       | -                       |             |     |     |
| 3071 | 3071 | 0         | Release 4 Features                                   | -           | 1               | Rel-4   | NP,GP,           | ##   | 30/03/2001 | 100%     | -                          | -                       | -                       |             |     |     |
| 3072 | 3072 | 1861      | Miscellaneous UE Conformance Testi                   | MISTST1     | 1               | Rel-4   | T1               | ##   | 01/12/2004 | 100%     | -                          | -                       | -                       |             |     |     |
| 3080 | 3080 | 1340      | Real Time Facsimile                                  | FAX-RT      | 1               | Rel-4   | S1               | ##   | 23/06/2000 | 100%     | <a href="#">SP-000169</a>  | -                       | -                       |             |     |     |
| 3087 | 3087 | 1539      | Transparent End-to-End PS mobile st                  | PSTREAM     | 1               | Rel-4   | S4               | ##   | 21/03/2001 | 100%     | <a href="#">SP-000345</a>  | -                       | -                       |             |     |     |
| 3088 | 3088 | 1818      | Multimedia Messaging                                 | MMS         | 1               | Rel-4   | T2,S1            | ##   | 14/03/2001 | 100%     | <a href="#">TP-000078</a>  | Siemens                 | IS.DE                   |             |     |     |
| 3095 | 3095 | 1541      | Transcoder-Free Operation                            | TrFO        | 1               | Rel-4   | N4,S2,N          | ##   | 30/03/2001 | 100%     | -                          | -                       | -                       |             |     |     |
| 3104 | 3104 | 2310      | GERAN improvements 1 (Gb over IP)                    | GEIMP1      | 1               | Rel-4   | GP               | ##   | 19/03/2001 | 100%     | <a href="#">GP-000433</a>  | -                       | -                       |             |     |     |
| 3108 | 3108 | 2314      | GERAN improvements 2 (NACC)                          | GEIMP2      | 1               | Rel-4   | GP               | ##   | 10/06/2003 | 100%     | <a href="#">GP-012812</a>  | -                       | -                       |             |     |     |
| 3117 | 3117 | 2324      | GERAN improvements 4 (Delayed TBF                    | GEIMP4      | 1               | Rel-4   | GP               | ##   | 08/06/2001 | 100%     | <a href="#">GP-010363</a>  | -                       | -                       |             |     |     |
| 3124 | 3124 | 1222      | Low Chip Rate TDD option                             | LCRTDD      | 1               | Rel-4   | R1               | ##   | 02/12/2003 | 100%     | <a href="#">RAN_WI</a>     | CWTS                    | Yang                    |             |     |     |
| 3136 | 3136 | 1322      | Enable bearer independent CS archite                 | CSPLIT      | 1               | Rel-4   | S2,N3,N          | ##   | 01/03/2002 | 100%     | <a href="#">SP-000288</a>  | Siemens                 | inski                   |             |     |     |
| 3146 | 3146 | 1445      | MExE enhancements Rel-4                              | MEXE        | 1               | Rel-4   | T2,S3            | ##   | 14/12/2001 | 100%     | <a href="#">TP-030052</a>  | -                       | -                       |             |     |     |
| 3154 | 3154 | 1631      | Tandem Free aspects for 3G and betw                  | TFO         | 1               | Rel-4   | S4               | ##   | 15/06/2001 | 100%     | -                          | -                       | -                       |             |     |     |
| 3160 | 3160 | 2230      | Advanced Speech Call Items enhance                   | ASCI        | 1               | Rel-4   | N1               | ##   | 14/03/2002 | 100%     | <a href="#">NP-000730</a>  | Nortel                  | .com                    |             |     |     |

| ID   | ID   | Jnique_IC | Name   | Acronym       | Outlin<br>Level | Release | Resourc<br>Names | Itar | Finish     | % Comple | Hyperlink                 | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|------|-----------|--|---------------|-----------------|---------|------------------|------|------------|----------|---------------------------|-------------------------|---------------------------|-------------|-----|-----|
|      |      |           |  |               |                 |         |                  |      |            |          |                           |                         |                           | Jul         | Sep | Nov |
| 3163 | 3163 | 2403      | 700 MHz spectrum support                               | 700SS         | 1               | Rel-4   | GP               | ##   | 20/12/2002 | 100%     | <a href="#">GP-000449</a> | -                       |                           |             |     |     |
| 3170 | 3170 | 2463      | Operator Determined Barring for Pack                   | ODB           | 1               | Rel-4   | NP               | ##   | 19/03/2001 | 100%     | <a href="#">NP-010089</a> | NEC                     | .com)                     |             |     |     |
| 3171 | 3171 | 2546      | UMTS QoS Architecture for PS Domai                     | QoSPS         | 1               | Rel-4   | S2,S5,R          | ##   | 27/11/2002 | 100%     | <a href="#">SP-010342</a> | Ericsson                | on.se                     |             |     |     |
| 3190 | 3190 | 1993      | (Small) Technical Enhancements and                     | TEI4          | 1               | Rel-4   | All              | ##   | 30/03/2001 | 100%     | -                         | -                       |                           |             |     |     |
| 3191 | 3191 | 25017     | Test - (Small) Technical Enhancement                   | TEI4_Test     | 1               | Rel-4   | R5,T1            | ##   | 30/03/2001 | 100%     | <a href="#">RAN5_WI</a>   | -                       |                           |             |     |     |
| 3192 | 3192 | 400002    | Rel-4 Evolutions of the transport in th                | ETRAN         | 1               | Rel-4   | RP               | ##   | 23/08/2002 | 100%     | <a href="#">RAN Wis</a>   | Alcatel                 | urau                      |             |     |     |
| 3197 | 3197 | 400004    | Rel-4 Evolutions of the transport in th                | CNTRSP        | 1               | Rel-4   | N4,N1,N          | ##   | 23/03/2001 | 100%     | -                         | -                       |                           |             |     |     |
| 3205 | 3205 | 401216    | Rel-4 Improvements of Radio Interfac                   | RlinImp       | 1               | Rel-4   | RP               | ##   | 14/03/2003 | 100%     | <a href="#">RAN Wis</a>   | -                       |                           |             |     |     |
| 3220 | 3220 | 400009    | Rel-4 RAN improvements                                 | RANimp        | 1               | Rel-4   | RP               | ##   | 17/03/2004 | 100%     | <a href="#">RAN Wis</a>   | -                       |                           |             |     |     |
| 3230 | 3230 | 401652    | Rel-4 Emergency call enhancements                      | EMC1          | 1               | Rel-4   | N1,S1,T          | ##   | 28/05/2002 | 100%     | -                         | Ericsson                |                           |             |     |     |
| 3237 | 3237 | 401826    | Rel-4 Terminal interfaces                              | TI            | 1               | Rel-4   | T2               | ##   | 15/03/2001 | 100%     | -                         | -                       |                           |             |     |     |
| 3243 | 3243 | 401536    | Rel-4 Location Services enhancement                    | LCS1          | 1               | Rel-4   | S2,S1,T          | ##   | 28/12/2001 | 100%     | <a href="#">SP-010518</a> | Nokia                   | i Kall                    |             |     |     |
| 3256 | 3256 | 401560    | Rel-4 UICC/(U)SIM enhancements and                     | UICC1         | 1               | Rel-4   | T3               | ##   | 23/03/2001 | 100%     | -                         | -                       |                           |             |     |     |
| 3258 | 3258 | 401800    | Rel-4 (U)SIM toolkit enhancements                      | USAT1-LocL    | 1               | Rel-4   | T3               | ##   | 23/03/2001 | 100%     | -                         | Gemplus                 | ubon                      |             |     |     |
| 3260 | 3260 | 401571    | Rel-4 Security enhancements                            | SEC1          | 1               | Rel-4   | S3,N4,N          | ##   | 15/03/2002 | 100%     | <a href="#">SP-000421</a> | Vodafone                | .com                      |             |     |     |
| 3271 | 3271 | 401142    | Rel-4 Charging and OAM&P                               | OAM           | 1               | Rel-4   | S5               | ##   | 05/10/2001 | 100%     | <a href="#">SP-010461</a> | -                       | -                         |             |     |     |
| 3278 | 3278 | 1517      | Global Text Telephony                                  | GTT           | 1               | Rel-4   | S1,S2,S          | ##   | 18/09/2009 | 100%     | <a href="#">SP-010340</a> | Ericsson                | or.se                     |             |     |     |
| 3285 | 3285 | 0         | Release 1999 Features                                  | -             | 1               | R99     | NP,SP,T          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3286 | 3286 | 60150     | UMTS Features  | -             | 1               | R99     | S1,S2,S          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3298 | 3298 | 60151     | UMTS and GSM Features                                  | -             | 1               | R99     | S1,S2,S          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3353 | 3353 | 60152     | GSM Features   | -             | 1               | R99     | S1,S2,S          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3377 | 3377 | 60153     | GSM Features transposed to UMTS                        | -             | 1               | R99     | S1,S3,T          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3385 | 3385 | 60154     | Charging   | CH            | 1               | R99     | S1,S5            | ##   | 31/12/1999 | 100%     | -                         | -                       | -                         |             |     |     |
| 3388 | 3388 | 60155     | Operations, Administration, Maintena                   | OAM           | 1               | R99     | S5               | ##   | 31/12/1999 | 100%     | <a href="#">SP-99581</a>  | -                       | -                         |             |     |     |
| 3394 | 3394 | 60106     | Vocabulary   | Vocabulary    | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3395 | 3395 | 60037     | Emergency  | Emergency     | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3396 | 3396 | 60049     | GSM General Bearer Services (GBS) a                    | GSM_to_UM     | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3397 | 3397 | 60043     | GPRS_Mobile_IP_interworking                            | GPRS_Mobil    | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3398 | 3398 | 60046     | GSM/UMTS interworking                                  | 2G3Ginterwo   | 1               | R99     | N1,N2,N          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3399 | 3399 | 60050     | Handover   | Handover      | 1               | R99     | S1,SMC           | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3400 | 3400 | 60120     | 2G3GHandover   | 2G3Ghandov    | 1               | R99     | SMG2             | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3401 | 3401 | 60088     | Service Provider Name Indication                       | SPANME        | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3402 | 3402 | 60026     | Data & Data_CleanUp                                    | Data, Data_C  | 1               | R99     | SMG1             | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3403 | 3403 | 60125     | Unstructured Supplementary Service                     | USSD          | 1               | R99     | SMG1,N           | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3404 | 3404 | 60126     | Man-Machine Interface (MMI) of the U                   | MMI           | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3405 | 3405 | 60127     | Network Identity and Timezone (NITZ)                   | NITZ          | 1               | R99     | SMG1,S           | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3406 | #### | 60128     | Deleted - Operator Determined Barring for Packet Orien | ODB_Enh.      | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3407 | 3407 | 60068     | Packet Flow Management                                 | Packet_Flow_  | 1               | R99     | SMG2             | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3408 | 3408 | 60044     | GPRS_Point-To-Multipoint Group call                    | GPRS_PTMC     | 1               | R99     | SMG1             | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3409 | 3409 | 60156     | Call Forwarding  | -             | 1               | R99     | SMG1,N           | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3413 | 3413 | 60157     | Quality of Service                                     | -             | 1               | R99     | S2,T2,N          | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3418 | 3418 | 60129     | Support of Localised Service Area                      | SoLSA         | 1               | R99     | SMG2,S           | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |
| 3419 | 3419 | 60100     | Transcoder_location                                    | Transcoder_li | 1               | R99     | S2               | ##   | 31/12/1999 | 100%     | -                         | -                       |                           |             |     |     |

| ID   | ID    | Jnique_IC | Name  | Acronym       | Outlin<br>Level | Release | Resourc<br>Names | itar | Finish     | % Comple | Hyperlink   | WI<br>apporteur<br>name | WI<br>apporteur<br>e-mail | Qtr 3, 2012 |     |     |
|------|-------|-----------|---|---------------|-----------------|---------|------------------|------|------------|----------|-------------|-------------------------|---------------------------|-------------|-----|-----|
|      |       |           |   |               |                 |         |                  |      |            |          |             |                         |                           | Jul         | Sep | Nov |
| 3420 | 3420  | 60113     | Antenna_test_methods                                    | Antenna_test  | 1               | R99     | SMG2             | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3421 | 3421  | 60107     | WBAMR / high quality speech in UMTS                     | WBAMR         | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3422 | 3422  | 60138     | Codec   | -             | 1               | R99     | S4               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3429 | 3429  | 60143     | Advanced Speech Call Items enhance                      | ASCI          | 1               | R99     | SMG1, S          | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3430 | 3430  | 60009     | Call Control improvements                               | CC_Related_   | 1               | R99     | N1               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3431 | 3431  | 60059     | Multimedia  | Multimedia    | 1               | R99     | N1,N3            | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3432 | 3432  | 60089     | Sub-System Number allocation for RA                     | SSN_allocati  | 1               | R99     | N2               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3433 | 3433  | 60053     | Intranet / ISP access with DHCP end-t                   | ISPaccess     | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3434 | 3434  | 60072     | Point_to_Multipoint_Services                            | Point_to_Mult | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3435 | 3435  | 60146     | Facsimile   | FAX           | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3436 | 3436  | 60081     | Realtime_NT_FAX_in_UMTS                                 | Realtime_NT_  | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3437 | 3437  | 60042     | Gateway Location Register (GLR) - M                     | GLR           | 1               | R99     | N4               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3438 | 3438  | 60056     | Multiple Subscriber Profile phase 2                     | MSP2          | 1               | R99     | S1,N4            | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3439 | 3439  | 60074     | Prepaging   | Prepaging     | 1               | R99     | N2,N4            | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3440 | 3440  | 60148     | Re-definition of channel quality measu                  | -             | 1               | R99     | SMG              | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3441 | 3441  | 60051     | Harmonized Standard                                     | HS            | 1               | R99     | SMG2             | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3442 | 3442  | 60090     | Streamlining of specifications                          | Streamlining  | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3443 | 3443  | 60079     | R99_Service_Clean_up                                    | R99_Service   | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3444 | 3444  | 60094     | (Small) Technical Enhancements and                      | TEI           | 1               | R99     | N3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3447 | 3447  | 25016     | R99 UE Conformance Testing                              | TEI_Test      | 1               | R99     | R5,T1            | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3455 | ##### | 60028     | Deleted - Dual Tone Multi-Frequency signalling : Suppon | DTMF          | 1               | R99     | N1               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3456 | ##### | 60052     | Deleted - Intersystem_Change                            | Intersystem_  | 1               | R99     | SMG              | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3457 | ##### | 60054     | Deleted - Long_Forwardedto_Numbers                      | Long_Forwar   | 1               | R99     | N2               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3458 | ##### | 60080     | Deleted - RANimp-FSEarlyUE                              | RANimp-FSE    | 1               | R99     | R3               | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3459 | 3459  | 0         | Release 1999 Studies                                    | -             | 1               | R99     | S1,T2            | ##   | 31/12/1999 | 100%     | -           | -                       |                           |             |     |     |
| 3460 | 3460  | 60061     | Advanced Addressing/Numbering                           | Numbering     | 1               | R99     | S1               | ##   | 31/12/1999 | 100%     | -           | Vodafone                | com                       |             |     |     |
| 3461 | 3461  | 60161     | Combined GSM and Mobile IP mobility                     | -             | 1               | R99     | S2               | ##   | 31/12/1999 | 100%     | SMG 98/0760 | -                       |                           |             |     |     |
| 3462 | 3462  | 60101     | UE Capabilities Requirements                            | UCR           | 1               | R99     | T2               | ##   | 31/12/1999 | 100%     | TP-000022   | -                       |                           |             |     |     |
| 3463 | 3463  | 60158     | Electrical safety requirements and reg                  | -             | 1               | R99     | T2               | ##   | 31/12/1999 | 100%     | TP-000022   | -                       |                           |             |     |     |
| 3464 | 3464  | 60159     | Specific Absorbtion Rate (SAR) requir                   | -             | 1               | R99     | T2               | ##   | 31/12/1999 | 100%     | TP-000022   | -                       |                           |             |     |     |
| 3465 | 3465  | 60160     | Multi-mode UE issues                                    | -             | 1               | R99     | T2               | ##   | 31/12/1999 | 100%     | TP-000022   | -                       |                           |             |     |     |
| 3466 | 3466  | 60162     | Provision of fax service in GSM and U                   | -             | 1               | R99     | T2               | ##   | 31/12/1999 | 100%     | -           | Ericsson                | i.com                     |             |     |     |
| 3467 | 3467  | 60163     | Separating Radio Resources and Mob                      | -             | 1               | R99     | T2               | ##   | 03/01/2000 | 100%     | -           | -                       |                           |             |     |     |

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|                   |   |                          |  |                              |   |                    |   |
|-------------------|---|--------------------------|--|------------------------------|---|--------------------|---|
| Critical          |  | Baseline Split           |  | Rolled Up Critical Progress  |  | External Tasks     |  |
| Critical Split    |  | Baseline Milestone       |  | Rolled Up Task               |  | Project Summary    |  |
| Critical Progress |  | Milestone                |  | Rolled Up Split              |  | External Milestone |  |
| Task              |  | Summary Progress         |  | Rolled Up Task Progress      |  | Deadline           |  |
| Split             |  | Summary                  |  | Rolled Up Baseline           |  |                    |   |
| Task Progress     |  | Rolled Up Critical       |  | Rolled Up Baseline Milestone |  |                    |   |
| Baseline          |  | Rolled Up Critical Split |  | Rolled Up Milestone          |  |                    |   |