**3GPP TSG SA Meeting #71 List of Documents**

**Goteborg, Sweden, 09 - 11 March 2016**

Configuration data. Do not remove the configuration data below.

Data (run the macro update\_data (ctrl-u) if you update the data):

Tdocweblocation=ftp://ftp.3gpp.org/tsg\_sa/TSG\_SA/TSGS\_71/Docs

Tdoclocation=Docs\

Group-year=SP-16

End of Configuration data. Do not remove the configuration data above.

**IPR call reminder:**

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| ***“I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.***  ***Delegates are asked to take note that they are thereby invited:***   * ***to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.*** * ***to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms"*** |

**Antitrust policy Reminder:**

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| ***“I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.***  ***The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.***  ***Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters.”*** |

List for Meeting: **SP-71 All Sessions**

**Temporary Documents List - Ordered by Agenda Item**

To use hyperlinks, this file must be placed above Folder **'Docs'**

CURRENT STATS - OPEN DOCS: **Total: 0**     CRs: **0**     P-CRs: **0**     Other: **0**

Created: **2016-03-21 15:30**     **START OF LIST**

| **AI** | **TD#** | **Type** | **Title** | **Source** | **Rel** | **Work Item** | **Comments** | **Result** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | - | - | Opening of the Meeting | - | - | {Erik} | - | - |
| 2 | - | - | Approval of Agenda | - | - | {Erik} | - | - |
| 2 | [SP-160001](Docs\\SP-160001.zip" \t "_blank) | Agenda | Draft agenda for TSG SA meeting #71 | TSG SA Chairman | - | - | Revised to SP-160130 | Revised |
| 2 | [SP-160130](Docs\\SP-160130.zip" \t "_blank) | Agenda | Draft agenda for TSG SA meeting #71 | Samsung R&D Institute UK |  |  | Revision of SP-160001. Approved | Approved |
| 3 | - | - | IPR and Antitrust Reminder | - | - | {Erik} | - | - |
| 4 | - | - | Reports from Previous Meetings | - | - | {Erik} | - | - |
| 4.1 | - | - | Report from TSG SA#70 | - | - | {Erik} | - | - |
| 4.1 | [SP-160002](Docs\\SP-160002.zip" \t "_blank) | REPORT | Draft Report of TSG SA meeting #70 | TSG SA Secretary | - | - | Revised to SP-160190. | Revised |
| 4.1 | [SP-160190](Docs\\SP-160190.zip" \t "_blank) | REPORT | Draft Report of TSG SA meeting #70 | TSG SA Secretary | - | - | Revision of SP-160002. Approved | Approved |
| 4.2 | - | - | Reports from TSG SA ad-hoc meetings and workshops (Reports related to features will be covered under the feature related agenda item) | - | - | {Erik} | - | - |
| 5 | - | - | Items for early consideration (Please contact the chairman in advance) | - | - | {Erik} | - | - |
| 5 | [SP-160003](Docs\\SP-160003.zip" \t "_blank) | DISCUSSION | On RAN-SA Work Coordination of the 'Next Generation Architecture' | TSG SA Chairman, TSG RAN Chairman, SA WG2 Chairman |  |  | This proposal was reviewed and endorsed. | Endorsed |
| 5 | [SP-160012](Docs\\SP-160012.zip" \t "_blank) | LS In | LS from CT WG1: LS on upgrade of TS 24.234, TS 24.235 and TS 24.327 to Rel-13 | CT WG1 (C1-160760) | Rel-13 |  | Response in SP-160228 | Replied to |
| 5 | [SP-160174](Docs\\SP-160174.zip" \t "_blank) | DISCUSSION | Discontinuation of I-WLAN TSs in Rel-12 | QUALCOMM UK Ltd | Rel-13 |  | Noted | Noted |
| 5 | [SP-160187](Docs\\SP-160187.zip" \t "_blank) | DISCUSSION | Discontinuation of 3GPP Specifications including I-WLAN Specifications | BlackBerry UK Ltd | Rel-13 |  | LATE REQUEST: **LATE DOC**: Rx: 08/03 22:35. Noted | Noted |
| 5 | [SP-160217](Docs\\SP-160217.zip" \t "_blank) | LS OUT | [Draft] Reply LS on upgrade of TS 24.234, TS 24.235 and TS 24.327 to Rel-13 | TSG SA |  |  | Response to SP-160012. Revised to SP-160228. | Revised |
| 5 | [SP-160228](Docs\\SP-160228.zip" \t "_blank) | LS OUT | Reply LS on upgrade of TS 24.234, TS 24.235 and TS 24.327 to Rel-13 | TSG SA |  |  | Revision of SP-160217. Approved | Approved |
| 5 | [SP-160004](Docs\\SP-160004.zip" \t "_blank) | DISCUSSION | TSG SA Schedule Discussion | TSG SA Chairman |  |  | Noted | Noted |
| 5 | [SP-160178](Docs\\SP-160178.zip" \t "_blank) | DISCUSSION | NB-IOT OAM and Charging work | VODAFONE Group Plc | Rel-13 |  | Noted. SA WG5 were encouraged to create the WIDs and necessary CRs for Rel-13 OAM and Charging work on NB-IoT, to present to TSG SA#72 for approval. | Noted |
| 5 | [SP-160087](Docs\\SP-160087.zip" \t "_blank) | SID new | New Proposal for Study on Enhancements to eMBMS for TV Video Service | Qualcomm Incorporated, Teliasonera, Ericsson, Nokia Networks, One2many, Samsung, Alcatel Lucent, EBU | Rel-14 |  | (Resubmission of noted SID in SP-150824 at TSG SA#70). Revised to SP-160191. | Revised |
| 5 | [SP-160191](Docs\\SP-160191.zip" \t "_blank) | SID new | New Proposal for Study on Enhancements to eMBMS for TV Video Service | Qualcomm Incorporated, Teliasonera, Ericsson, Nokia Networks, One2many, Samsung, Alcatel Lucent, EBU | Rel-14 |  | Revision of SP-160087. Revised to SP-160225. | Revised |
| 5 | [SP-160225](Docs\\SP-160225.zip" \t "_blank) | SID new | New Proposal for Study on Enhancements to eMBMS for TV Video Service | Qualcomm Incorporated, TeliaSonera, Ericsson, Nokia Networks, One2many, Samsung, Alcatel Lucent, EBU, KPN | Rel-14 |  | Revision of SP-160191. Approved | Approved |
| 5 | [SP-160148](Docs\\SP-160148.zip" \t "_blank) | SID new | Energy Efficiency Aspects of 3GPP Standards | ORANGE | Rel-14 |  | Revised to SP-160177. | Revised |
| 5 | [SP-160177](Docs\\SP-160177.zip" \t "_blank) | SID new | Energy Efficiency Aspects of 3GPP Standards | ORANGE | Rel-14 |  | Revision of SP-160148. Revised to SP-160194. | Revised |
| 5 | [SP-160194](Docs\\SP-160194.zip" \t "_blank) | SID new | Energy Efficiency Aspects of 3GPP Standards | ORANGE | Rel-14 |  | Revision of SP-160177. Revised to SP-160224. | Revised |
| 5 | [SP-160224](Docs\\SP-160224.zip" \t "_blank) | SID new | Energy Efficiency Aspects of 3GPP Standards | ORANGE | Rel-14 |  | Revision of SP-160194. Revised to SP-160229. | Revised |
| 5 | [SP-160229](Docs\\SP-160229.zip" \t "_blank) | SID new | Energy Efficiency Aspects of 3GPP Standards | ORANGE | Rel-14 |  | Revision of SP-160224. Approved | Approved |
| 5.1 | - | - | Challenges to working agreements (Must have been previously requested) | - | - | {Erik} | - | - |
| 6 | - | - | General Incoming Liaisons (Liaisons related to specific features will be covered under the feature related agenda item) | - | - | {Erik} | - | - |
| 6 | [SP-160007](Docs\\SP-160007.zip" \t "_blank) | LS In | LS from NGMN Alliance Project P1: NGMN Description of Network Slicing Concept | NGMN Alliance Project P1 (160113 Liaison NGMN P1) |  |  | Noted no action - note this LS? | Noted |
| 6 | [SP-160141](Docs\\SP-160141.zip" \t "_blank) | LS In | LS from ETSI TC SES: Liaison to 3GPP/RAN: Satellite in 5G | ETSI TC SES (SES (16)000121) |  |  | Noted no action - note this LS? | Noted |
| 6 | [SP-160142](Docs\\SP-160142.zip" \t "_blank) | LS In | LS from ITU-T SG13: LS on 'Report on standard gap analysis', from ITU-T Focus Group on IMT-2020 and on extension of lifetime of Focus Group IMT-2020 | ITU-T SG13 (SG13-LS139) |  |  | Noted no action - note this LS? | Noted |
| 6 | [SP-160143](Docs\\SP-160143.zip" \t "_blank) | LS In | LS from CT WG4: LS on progress of the work on Diameter Base Protocol Update | CT WG4 (C4-161541) | Rel-13 | FS\_DBPU | Noted no action - note this LS? | Noted |
| 6 | [SP-160145](Docs\\SP-160145.zip" \t "_blank) | LS In | LS from RAN WG3: Reply LS on RAN3 agreements on DC enhancements for LTE | RAN WG3 (R3-160501) | Rel-13 | LTE\_dualC\_ext-Core | Noted no action - note this LS? | Noted |
| 6 | [SP-160006](Docs\\SP-160006.zip" \t "_blank) | LS In | LS from ITU-T SG20: LS on recently established new Study Group 20 (SG20) | ITU-T SG20 (sp15-sg20-oLS-00008) |  |  | Postponed SP-150783 from meeting #70. Response drafted in SP-160061. Final response in SP-160218 | Replied to |
| 6 | [SP-160061](Docs\\SP-160061.zip" \t "_blank) | LS OUT | [DRAFT] Reply LS on recently established new Study Group 20 (SG20) | TSG SA | Rel-13 |  | Revised to SP-160192. | Revised |
| 6 | [SP-160192](Docs\\SP-160192.zip" \t "_blank) | LS OUT | [DRAFT] Reply LS on recently established new Study Group 20 (SG20) | TSG SA | Rel-13 |  | Revision of SP-160061. Revised to SP-160218. | Revised |
| 6 | [SP-160218](Docs\\SP-160218.zip" \t "_blank) | LS OUT | Reply LS on recently established new Study Group 20 (SG20) | TSG SA | Rel-13 |  | Revision of SP-160192. Approved | Approved |
| 6 | [SP-160009](Docs\\SP-160009.zip" \t "_blank) | LS In | LS from ITU-T SG2: Reply LS on Proposed text of revised Recommendation ITU-T E.212 for Determination | ITU-T SG2 (COM2 - LS137) |  |  | Response to SP-150830. Noted | Noted |
| 6 | [SP-160144](Docs\\SP-160144.zip" \t "_blank) | LS In | LS from TSG GERAN: LS on name change to EC-GSM-IoT | TSG GERAN (GP-160221) | Rel-13 | CIoT\_EC\_GSM | Noted | Noted |
| 6 | [SP-160176](Docs\\SP-160176.zip" \t "_blank) | LS In | LS from ETSI TC-RT NG2R: Liaison Statement and Request for Collaboration with 3GPP | ETSI TC-RT NG2R (NG2R(16)004002) |  |  | Response drafted in SP-160193. Final response in SP-160230 External SDO stage 1 sent for consideration to 3GPP | Replied to |
| 6 | [SP-160193](Docs\\SP-160193.zip" \t "_blank) | LS OUT | [DRAFT] LS on Future Railways Mobile Communication System (FRMCS) | TSG SA |  |  | Response to SP-160176. Revised to SP-160226. | Revised |
| 6 | [SP-160226](Docs\\SP-160226.zip" \t "_blank) | LS OUT | [DRAFT] LS on Future Railways Mobile Communication System (FRMCS) | TSG SA |  |  | Revision of SP-160193. Revised to SP-160230. | Revised |
| 6 | SP-160230 | LS OUT | LS on Future Railways Mobile Communication System (FRMCS) | TSG SA |  |  | Revision of SP-160226. Approved | Approved |
| 7 | - | - | Reports from SA Working Groups and other TSGs | - | - | {Erik} | - | - |
| 7.1 | - | - | SA WG1 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.1 | [SP-160090](Docs\\SP-160090.zip" \t "_blank) | REPORT | SA WG1 Report to TSG SA#70 | SA WG1 Chairman |  |  | Noted | Noted |
| 7.1 | [SP-160134](Docs\\SP-160134.zip" \t "_blank) | WID new | WID on Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revised to SP-160195. | Revised |
| 7.1 | [SP-160195](Docs\\SP-160195.zip" \t "_blank) | WID new | WID on Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revision of SP-160134. Revised to SP-160219. | Revised |
| 7.1 | [SP-160219](Docs\\SP-160219.zip" \t "_blank) | WID new | WID on Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revision of SP-160195. Revised to SP-160231. | Revised |
| 7.1 | [SP-160231](Docs\\SP-160231.zip" \t "_blank) | WID new | WID on Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revision of SP-160219. Approved. TSG SA ask SA WG1 to consider the use of the remote UE when out of E-UTRAN coverage when E-UTRA(N) sidelink is used. | Approved |
| 7.1 | [SP-160135](Docs\\SP-160135.zip" \t "_blank) | WI exception request | Work Item Exception for Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revised to SP-160215. | Revised |
| 7.1 | [SP-160215](Docs\\SP-160215.zip" \t "_blank) | WI exception request | Work Item Exception for Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revision of SP-160135. Revised to SP-160232. | Revised |
| 7.1 | [SP-160232](Docs\\SP-160232.zip" \t "_blank) | WI exception request | Work Item Exception for Wearable device using LTE | Huawei Device Co., Ltd | Rel-14 |  | Revision of SP-160215. Approved | Approved |
| 7.2 | - | - | SA WG2 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.2 | [SP-160154](Docs\\SP-160154.zip" \t "_blank) | REPORT | SA WG2 Chairman's report to TSG SA#71 | SA WG2 Chairman |  |  | Noted | Noted |
| 7.2 | [SP-160170](Docs\\SP-160170.zip" \t "_blank) | WID new | New work item on Non-IP for Cellular IoT for EC-EGPRS | SA WG2 |  |  | Revised to SP-160196. | Revised |
| 7.2 | [SP-160196](Docs\\SP-160196.zip" \t "_blank) | WID new | New work item on Non-IP for Cellular IoT for EC-EGPRS | SA WG2 |  |  | Revision of SP-160170. Approved | Approved |
| 7.2 | [SP-160171](Docs\\SP-160171.zip" \t "_blank) | SID new | New Study Item for Enhanced Isolated E-UTRAN Operation for Public Safety | SA WG2 |  |  | Approved | Approved |
| 7.3 | - | - | SA WG3 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.3 | [SP-160041](Docs\\SP-160041.zip" \t "_blank) | REPORT | SA WG3 Status Report | SA WG3 Chairman |  |  | Noted | Noted |
| 7.3 | SP-160149 | DISCUSSION | Issues related to CR S3-160273, revised version of S3-160150, on TS 33.401 | Ministère Economie Indu. Numer | Rel-13 | LTE\_WLAN\_radio\_legacy-Core | Related to 33.401 CR0568R1 in SP-160055. **LATE DOC**: This was not submitted and was withdrawn. | Withdrawn |
| 7.3 | [SP-160055](Docs\\SP-160055.zip" \t "_blank) | CR Pack | Rel-13 CRs on Core part: LTE-WLAN RAN Level Integration supporting legacy WLAN (LTE\_WLAN\_radio\_legacy-Core) | SA WG3 |  |  | 33.401 CR0555R1 was approved and 33.401 CR0568R1 was revised in SP-160197 | Partially approved |
| 7.3 | [SP-160197](Docs\\SP-160197.zip" \t "_blank) | CR | 33.401 CR0568R3: Security aspects of LTE-WLAN aggregation | TSG SA |  | LTE\_WLAN\_radio\_legacy-Core | Revision of 33.401 CR0568R1 from SP-160055. This CR was approved | Approved |
| 7.3 | [SP-160107](Docs\\SP-160107.zip" \t "_blank) | CR | 33.401 CR0568R2: Security Aspects of LTE - WLAN Aggregation | BROADCOM CORPORATION | Rel-13 | LTE\_WLAN\_radio\_legacy-Core | Revision of 33.401 CR0568R1 in SP-160055. WITHDRAWN | Withdrawn |
| 7.4 | - | - | SA WG4 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.4 | [SP-160063](Docs\\SP-160063.zip" \t "_blank) | REPORT | SA WG4 Status Report at TSG SA#71 | SA WG4 Chairman |  |  | Noted | Noted |
| 7.5 | - | - | SA WG5 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.5 | [SP-160019](Docs\\SP-160019.zip" \t "_blank) | REPORT | SA WG5 Status Report | SA WG5 Vice Chairman |  |  | Revised to SP-160186. | Revised |
| 7.5 | [SP-160186](Docs\\SP-160186.zip" \t "_blank) | REPORT | SA WG5 Status Report | SA WG5 Vice Chairman |  |  | Revision of SP-160019. Noted | Noted |
| 7.6 | - | - | SA WG6 Report and Questions for Advice | - | - | {Erik} | - | - |
| 7.6 | [SP-160057](Docs\\SP-160057.zip" \t "_blank) | REPORT | SA WG6 status report to TSG SA#71 | SA WG6 Chairman |  |  | Noted | Noted |
| 7.7 | - | - | TSG RAN report and Questions for Advice | - | - | {Erik} | - | - |
| 7.7 | [SP-160206](Docs\\SP-160206.zip" \t "_blank) | REPORT | TSG RAN report to TSG SA#71 (focus on issue with relevance to TSG SA) | TSG RAN Chairman |  |  | Noted | Noted |
| 7.7 | [SP-160214](Docs\\SP-160214.zip" \t "_blank) | LS In | LS from TSG RAN: Reply LS to R3-160501 = RP-160031 on RAN decision for CSG and LIPA support in DC (Dual Connectivity) enhancements for LTE | TSG RAN (RP-160669) | Rel-13 | LTE\_dualC\_ext-Core | Noted | Noted |
| 7.7 | [SP-160207](Docs\\SP-160207.zip" \t "_blank) | LS In | Forwarded LS from ITU-R: WORK TOWARDS REVISION 1 OF RECOMMENDATIONS ITU-R M.2070 AND M.2071 - QUESTIONS FOR CLARIFICATION WITHIN 3GPP SPECIFICATIONS | TSG RAN (RP-160509) |  |  | It was clarified that TSG RAN will send a document to TSG SA which will require e-mail approval and forwarding to the PCG. This LS was then noted. Noted | Noted |
| 7.7 | [SP-160208](Docs\\SP-160208.zip" \t "_blank) | LS In | LS forwarded from TSG RAN: LIAISON STATEMENT TO EXTERNAL ORGANIZATIONS ON THE SCHEDULE FOR UPDATING RECOMMENDATION ITU-R M.2012 TO REVISION 3 | TSG RAN (RP-160510) |  |  | This LS was reviewed and noted. | Noted |
| 7.7 | [SP-160212](Docs\\SP-160212.zip" \t "_blank) | LS In | LS from TSG RAN: DRAFT LTI on Proposed Initial submission of updated material on LTE-Advanced toward Rev. 3 of Rec. ITU-R M.2012 | TSG RAN (RP-160628) |  |  | This was endorsed for forwarding to PCG. The relevant parts for sending to PCG were taken from this LS and contained in SP-160233. | Endorsed |
| 7.7 | [SP-160233](Docs\\SP-160233.zip" \t "_blank) | LS OUT | LS to PCG:DRAFT LTI on Proposed Initial submission of updated material on LTE-Advanced toward Rev. 3 of Rec. ITU-R M.2012 | TSG SA |  |  | For PCG. Approved | Approved |
| 7.7 | [SP-160209](Docs\\SP-160209.zip" \t "_blank) | LS In | Forwarded LS from TSG RAN: LIAISON STATEMENT TO 3GPP ON REVISION OF REPORT ITU-R M.2291 | TSG RAN (RP-160511) |  |  | It was clarified that TSG RAN will send a document to TSG SA which will require e-mail approval and forwarding to the PCG. This was then noted. | Noted |
| 7.7 | [SP-160210](Docs\\SP-160210.zip" \t "_blank) | LS In | LS from TSG RAN: Draft LTI on the standardization status of Intelligent Transport Systems (ITS) radio interface technologies | TSG RAN (RP-160580) |  |  | This was endorsed for forwarding to PCG. The relevant parts for sending to PCG were taken from this LS and contained in SP-160234. | Endorsed |
| 7.7 | [SP-160234](Docs\\SP-160234.zip" \t "_blank) | LS OUT | LS to PCG: Draft LTI on the standardization status of Intelligent Transport Systems (ITS) radio interface technologies | TSG SA |  |  | For PCG. Approved | Approved |
| 7.7 | [SP-160211](Docs\\SP-160211.zip" \t "_blank) | LS In | LS from TSG RAN: Reply LS on ETSI/SES on Satellite in 5G | TSG RAN (RP-160627) |  |  | Noted | Noted |
| 7.7 | [SP-160213](Docs\\SP-160213.zip" \t "_blank) | LS In | LS from TSG RAN: LS on Next Generation Security Requirements for RAN | TSG RAN (RP-160647) | Rel-14 |  | Noted | Noted |
| 7.8 | - | - | TSG CT report and Questions for Advice | - | - | {Erik} | - | - |
| 7.8 | [SP-160151](Docs\\SP-160151.zip" \t "_blank) | REPORT | Status report of TSG CT#71 | TSG CT Chairman |  |  | Noted | Noted |
| 7.8 | [SP-160152](Docs\\SP-160152.zip" \t "_blank) | REPORT | Draft meeting report of TSG CT#71 | MCC |  |  | Noted | Noted |
| 7.8 | [SP-160153](Docs\\SP-160153.zip" \t "_blank) | REPORT | IETF Status report | TSG CT Chairman |  |  | Noted | Noted |
| 7.9 | - | - | TSG GERAN report and Questions for Advice | - | - | {Erik} | - | - |
| 7.9 | [SP-160086](Docs\\SP-160086.zip" \t "_blank) | REPORT | TSG GERAN#69 Status report | TSG GERAN Chairman |  |  | Noted | Noted |
| 8 | - | - | Rel-8 CRs (Need to be very well justified!) | - | - | {Erik} | - | - |
| 8 | [SP-160032](Docs\\SP-160032.zip" \t "_blank) | CR Pack | Rel-8 CRs on OAM Maintenance and small Enhancements (OAM8) | SA WG5 |  |  | Issues raised with 32.642 CR0083; 32.642 CR0084; 32.642 CR0085; 32.642 CR0086. | Partially approved |
| 8 | [SP-160220](Docs\\SP-160220.zip" \t "_blank) | CR | CR: Correcting reference | TSG SA | Rel-8 | OAM8 | This CR was approved. | Approved |
| 8 | [SP-160221](Docs\\SP-160221.zip" \t "_blank) | CR | CR: Correcting reference | TSG SA | Rel-9 | OAM8 | This CR was approved. | Approved |
| 8 | [SP-160222](Docs\\SP-160222.zip" \t "_blank) | CR | CR: Correcting reference | TSG SA | Rel-10 | OAM8 | This CR was approved. | Approved |
| 8 | [SP-160223](Docs\\SP-160223.zip" \t "_blank) | CR | CR: Correcting reference | TSG SA | Rel-11 | OAM8 | This CR was approved. | Approved |
| 9 | - | - | Rel-9 CRs (Need to be very well justified!) | - | - | {Erik} | - | - |
| 10 | - | - | Rel-10 CRs (Need to be very well justified!) | - | - | {Erik} | - | - |
| 10 | [SP-160093](Docs\\SP-160093.zip" \t "_blank) | CR Pack | Stage 1 CRs on MMTEL/EVS\_codec-SA1/TEI12 | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 11 | - | - | Rel-11 CRs (Need to be very well justified!) | - | - | {Erik} | - | - |
| 11 | [SP-160031](Docs\\SP-160031.zip" \t "_blank) | CR Pack | Rel-11 CRs on OAM Maintenance and small Enhancements (OAM11) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 12 | - | - | Rel-12 CRs | - | - | {Erik} | - | - |
| 12A | - | - | SA WG1-related Corrections | - | - | {Erik} | - | - |
| 12B | - | - | SA WG2-related Corrections | - | - | {Erik} | - | - |
| 12B | [SP-160155](Docs\\SP-160155.zip" \t "_blank) | CR Pack | 2 CRs to 23.228 (IMS\_Corp2, BusTI, Rel-12, Rel-13) | SA WG2 |  | IMS\_Corp2, BusTI | Block approval candidate This was block approved. | Approved |
| 12B | [SP-160156](Docs\\SP-160156.zip" \t "_blank) | CR Pack | 2 CRs to 23.401 (LIMONET, Rel-12, Rel-13) | SA WG2 |  | LIMONET | Block approval candidate This was block approved. | Approved |
| 12B | [SP-160157](Docs\\SP-160157.zip" \t "_blank) | CR Pack | 2 CRs to 23.303 (ProSe, Rel-12, Rel-13) | SA WG2 |  | ProSe | Block approval candidate This was block approved. | Approved |
| 12C | - | - | SA WG3-related Corrections | - | - | {Erik} | - | - |
| 12C | [SP-160049](Docs\\SP-160049.zip" \t "_blank) | CR Pack | Rel-12 CRs on Lawful Interception (LI12) | SA WG3 |  |  | Block approval candidate This was block approved. | Approved |
| 12D | - | - | SA WG4-related Corrections | - | - | {Erik} | - | - |
| 12D | [SP-160064](Docs\\SP-160064.zip" \t "_blank) | CR Pack | CRs to TS 26.114, TS 26.442, TS 26.443, TS 26.444, TS 26.445 and TR 26.952 on 'Codec for Enhanced Voice Services (EVS\_codec)' (Release 12 & Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 12D | [SP-160065](Docs\\SP-160065.zip" \t "_blank) | CR Pack | CRs to TS 26.131 and TS 26.132 on 'Acoustic Requirements and Test methods for IMS-based conversational speech services over LTE (ART\_LTE)' (Release 12 & Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 12D | [SP-160066](Docs\\SP-160066.zip" \t "_blank) | CR Pack | CRs to TS 26.346 on 'MBMS Improvements (MI)' (Release 12 & Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 12E | - | - | SA WG5-related Corrections | - | - | {Erik} | - | - |
| 12F | - | - | Other Corrections and Documents | - | - | {Erik} | - | - |
| 13 | - | - | Documents Related to Rel-13 Features | - | - | {Erik} | - | - |
| 13A | - | - | SA WG1-related Work Items | - | - | {Erik} | - | - |
| 13.1 | - | - | (SEES) - Service Exposure and Enablement Support | - | - | {Erik} | - | - |
| 13.2 | - | - | (SRMMTC) - Service Requirements Maintenance for Machine-Type Communications | - | - | {Erik} | - | - |
| 13.3 | - | - | (SRM\_GCSE\_LTE) - Service Requirements Maintenance for Group Communication System Enablers for LTE | - | - | {Erik} | - | - |
| 13.4 | - | - | (ACDC) - Application specific Congestion control for Data Communication (including FS phase) | - | - | {Erik} | - | - |
| 13.4 | [SP-160091](Docs\\SP-160091.zip" \t "_blank) | CR Pack | Stage 1 CRs on ACDC | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 13.5 | - | - | (ECIP) - Enhanced Calling Information Presentation | - | - | {Erik} | - | - |
| 13.6 | - | - | (GUSH) - RAN Sharing Enhancements on GERAN and UTRAN | - | - | {Erik} | - | - |
| 13.7 | - | - | (RSE) – RAN Sharing Enhancements | - | - | {Erik} | - | - |
| 13B | - | - | SA WG2-related Work Items | - | - | {Erik} | - | - |
| 13.8 | - | - | (FMSS) - Flexible Mobile Service Steering | - | - | {Erik} | - | - |
| 13.9 | - | - | (UPCON) – UserPlane Congestion Management | - | - | {Erik} | - | - |
| 13.10 | - | - | (IOPS) - Isolated E-UTRAN Operation for Public Safety | - | - | {Erik} | - | - |
| 13.10 | [SP-160056](Docs\\SP-160056.zip" \t "_blank) | CR Pack | Rel-13 CRs on Isolated E-UTRAN Operation for Public Safety (IOPS) | SA WG3 |  |  | Issue raised with use of FS\_IOPS\_Sec as WI Code for these CRs. 33.897 CR0001R1 and 33.897 CR0002R1 were to the Study TR and were approved. 33.401 CR0566R1 was revised in SP-160198 | Partially approved |
| 13.11 | - | - | (eWebRTCi) - Enhancements to WebRTC interoperability | - | - | {Erik} | - | - |
| 13.12 | - | - | (CSPS\_coord) - Improvements to CS/PS coordination in UTRAN/GERAN Shared Networks | - | - | {Erik} | - | - |
| 13.13 | - | - | (ePRoSe) - Enhancements to Proximity-based Services | - | - | {Erik} | - | - |
| 13.13 | [SP-160147](Docs\\SP-160147.zip" \t "_blank) | CR | 23.303 CR0311: Correction on Targeted RPAUID in the monitor response message | Huawei Device Co., Ltd | Rel-13 | eProSe-Ext-SA2 | Source to TSG should be Huawei, HiSilicon, not SA WG2. This appears to be a correction of CR0300R2 in SP-160158. Revised to SP-160199. | Revised |
| 13.13 | [SP-160199](Docs\\SP-160199.zip" \t "_blank) | CR | 23.303 CR0311R1: Correction on Targeted RPAUID in the monitor response message | Huawei Device Co., Ltd | Rel-13 | eProSe-Ext-SA2 | Revision of SP-160147. This CR was approved | Approved |
| 13.13 | [SP-160158](Docs\\SP-160158.zip" \t "_blank) | CR Pack | 7 CRs to 23.303 (eProSe-Ext-SA2, Rel-13) | SA WG2 |  | eProSe-Ext-SA2 | Correction to 23.303 CR0300R2 in SP-160147 (as 23.303 CR0311). All CRs except 23.303 CR0300R2 were approved. 23.303 CR0300R2 was not pursued. This CR Pack was partially approved. | Partially approved |
| 13.14 | - | - | (VoE-UTRAN\_PPD) - Voice over E-UTRAN Paging Policy Differentiation | - | - | {Erik} | - | - |
| 13.15 | - | - | (DÉCOR) - Dedicated Core Networks | - | - | {Erik} | - | - |
| 13.15 | [SP-160163](Docs\\SP-160163.zip" \t "_blank) | CR Pack | 3 CRs to 23.060, 23.401 (DECOR, Rel-13) | SA WG2 |  | DECOR | Block approval candidate This was block approved. | Approved |
| 13.16 | - | - | (NBIFOM) - IP Flow Mobility support for S2a and S2b Interfaces | - | - | {Erik} | - | - |
| 13.16 | [SP-160172](Docs\\SP-160172.zip" \t "_blank) | CR Pack | 5 CRs to 23.161 (NBIFOM, Rel-13) | SA WG2 |  | NBIFOM | Block approval candidate This was block approved. | Approved |
| 13.17 | - | - | (AESE) - Architecture Enhancements for Service Capability Exposure | - | - | {Erik} | - | - |
| 13.17 | [SP-160159](Docs\\SP-160159.zip" \t "_blank) | CR Pack | 1 CR to 23.682 (AESE, Rel-13) | SA WG2 |  | AESE | Block approval candidate This was block approved. | Approved |
| 13.18 | - | - | (MONTE) - Monitoring Enhancements | - | - | {Erik} | - | - |
| 13.19 | - | - | (GROUPE) - Group based Enhancements | - | - | {Erik} | - | - |
| 13.20 | - | - | (DRuMS) - Double Resource Reuse for Multiple Media Sessions | - | - | {Erik} | - | - |
| 13.21 | - | - | (eUMONC and FS\_UMONC\_sas) - Usage Monitoring Control PCC Extension | - | - | {Erik} | - | - |
| 13.22 | - | - | (eDRX) - Stage 2 for Extended DRX cycle for Power Consumption | - | - | {Erik} | - | - |
| 13.22 | [SP-160164](Docs\\SP-160164.zip" \t "_blank) | CR Pack | 2 CRs to 23.401, 23.682 (eDRX, Rel-13) | SA WG2 |  | eDRX | Revision of 23.682 CR0159R2 provided in SP-160088. 23.401 CR2966R2 was approved | Partially approved |
| 13.22 | [SP-160088](Docs\\SP-160088.zip" \t "_blank) | CR | 23.682 CR0159R3: Handling of a 5.12s eDRX cycle | INTERDIGITAL COMMUNICATIONS, Qualcomm Inc, LG Electronics | Rel-13 | eDRX | Revision of 23.682 CR0159R2 in SP-160164. Revised to SP-160179. | Revised |
| 13.22 | [SP-160179](Docs\\SP-160179.zip" \t "_blank) | CR | 23.682 CR0159R4: Handling of a 5.12s eDRX cycle | INTERDIGITAL COMMUNICATIONS, Qualcomm Inc, LG Electronics | Rel-13 | eDRX | Revision of SP-160088 (revision of 23.682 CR0159R2 in SP-160164). Revised to SP-160202. | Revised |
| 13.22 | [SP-160202](Docs\\SP-160202.zip" \t "_blank) | CR | 23.682 CR0159R5: Handling of a 5.12s eDRX cycle | INTERDIGITAL COMMUNICATIONS, Qualcomm Inc, LG Electronics | Rel-13 | eDRX | Revision of SP-160179. This CR was approved | Approved |
| 13.23 | - | - | (HLCom) Optimizations to Support High Latency Communications | - | - | {Erik} | - | - |
| 13.24 | - | - | (SEW1) Support of Emergency services over WLAN - Phase 1 | - | - | {Erik} | - | - |
| 13.24 | [SP-160160](Docs\\SP-160160.zip" \t "_blank) | CR Pack | 2 CRs to 23.402 (SEW1, Rel-13) | SA WG2 |  | SEW1 | Block approval candidate This was block approved. | Approved |
| 13.25 | - | - | (CSIPTO - Co-ordinated P-GW change for SIPTO | - | - | {Erik} | - | - |
| 13.26 | - | - | (eCSFB) - Enhanced CSFB | - | - | {Erik} | - | - |
| 13.27 | - | - | (SETA) - SRVCC Enhancements for Transcoding Avoidance | - | - | {Erik} | - | - |
| 13.28 | - | - | (CIoT) - Stage 2 of CIoT | - | - | {Erik} | - | - |
| 13.28 | [SP-160140](Docs\\SP-160140.zip" \t "_blank) | LS In | ISO/IEC JTC 1/WG 10 Liaison Statement to its Liaisons on IoT Use cases | ISO/IEC JTC 1/WG 10 (JTC 1/WG10 N348) |  |  | Noted | Noted |
| 13.28 | [SP-160052](Docs\\SP-160052.zip" \t "_blank) | CR Pack | Rel-13 CRs on Security Aspects of CIoT (aka NB-IoT) | SA WG3 |  |  | Approved | Approved |
| 13.28 | [SP-160139](Docs\\SP-160139.zip" \t "_blank) | LS In | ISO/IEC JTC 1/WG 10 Liaison Statement to its Liaison Organizations - Request for comments on ISO/IEC WD 30141, Information technology — Internet of Things Reference Architecture (IoT RA) | ISO/IEC JTC 1/WG 10 (JTC 1/WG10 N352) |  |  | Noted | Noted |
| 13.28 | [SP-160161](Docs\\SP-160161.zip" \t "_blank) | CR Pack | 21 CRs to 23.272, 23.401, 23.682 (CIoT, Rel-13) | SA WG2 |  | CIoT | Block approval candidate This was block approved. | Approved |
| 13C | - | - | SA WG3-related Work Items | - | - | {Erik} | - | - |
| 13.29 | - | - | (SCAS) - Security Assurance Specification for 3GPP network products | - | - | {Erik} | - | - |
| 13.30 | - | - | (EASE\_EC\_GSM) - EGPRS Access Security Enhancements in relation to Cellular IoT | - | - | {Erik} | - | - |
| 13.30 | [SP-160198](Docs\\SP-160198.zip" \t "_blank) | CR | 33.401 CR0566R2: Update to IOPS security considerations | TSG SA |  | IOPS | This CR was approved | Approved |
| 13.30 | [SP-160131](Docs\\SP-160131.zip" \t "_blank) | DISCUSSION | Discussion on EASE algorithm specifications | VODAFONE Group Plc | Rel-13 |  | Revised to SP-160189. | Revised |
| 13.30 | [SP-160189](Docs\\SP-160189.zip" \t "_blank) | DISCUSSION | Discussion on EASE algorithm specifications | VODAFONE Group Plc | Rel-13 |  | Revision of SP-160131. **LATE DOC**: Rx: 09/03 13:15. Noted | Noted |
| 13.30 | [SP-160133](Docs\\SP-160133.zip" \t "_blank) | WID new | EASE Algorithm Specifications | VODAFONE Group Plc | Rel-13 |  | Revised to SP-160203. | Revised |
| 13.30 | [SP-160203](Docs\\SP-160203.zip" \t "_blank) | WID new | EASE Algorithm Specifications | VODAFONE Group Plc | Rel-13 |  | Revision of SP-160133. Approved | Approved |
| 13.30 | [SP-160054](Docs\\SP-160054.zip" \t "_blank) | CR Pack | Rel-13 CRs on EGPRS Access Security Enhancements in relation to Cellular IoT(EASE\_EC\_GSM) | SA WG3 |  |  | Block approval candidate This was block approved. | Approved |
| 13.31 | - | - | (LI13) - Lawful Interception in the 3GPP Rel-13 | - | - | {Erik} | - | - |
| 13.31 | [SP-160043](Docs\\SP-160043.zip" \t "_blank) | WID revised | Revised WID Lawful Interception Rel-13 | SA WG3 |  |  | Approved | Approved |
| 13.31 | [SP-160050](Docs\\SP-160050.zip" \t "_blank) | CR Pack | Rel-13 CRs on Lawful Interception (LI13) | SA WG3 |  |  | Block approval candidate This was block approved. | Approved |
| 13.32 | - | - | (SEC13) - Security Enhancements and Improvements for Rel-13 | - | - | {Erik} | - | - |
| 13.33 | - | - | (eProSe-Ext-SA3) - Security for Enhancement to Proximity-based Services - Extensions | - | - | {Erik} | - | - |
| 13.33 | [SP-160051](Docs\\SP-160051.zip" \t "_blank) | CR Pack | Rel-13 CRs on enhancements of Proximity Based Services (eProSe-ext-SA3) | SA WG3 |  |  | Block approval candidate This was block approved. | Approved |
| 13D | - | - | SA WG4-related Work Items | - | - | {Erik} | - | - |
| 13.34 | - | - | (ATeMPO\_SPINE) - Acoustic Test methods and Performance Objectives for Speakerphone Performance in Noisy Environments | - | - | {Erik} | - | - |
| 13.34 | [SP-160067](Docs\\SP-160067.zip" \t "_blank) | CR Pack | CRs to TS 26.131 and TS 26.132 on 'Acoustic Test methods and Performance Objectives for Speakerphone Performance in Noisy Environments (ATeMPO\_SPINE)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.35 | - | - | (MEPRO) MBMS Extensions and Profiling | - | - | {Erik} | - | - |
| 13.36 | - | - | (IMS\_TELEP\_S4) - Media Handling Aspects of IMS-based Telepresence | - | - | {Erik} | - | - |
| 13.37 | - | - | (ROI) - Video Enhancements by Region-of-Interest Information Signalling | - | - | {Erik} | - | - |
| 13.38 | - | - | (TVProf) - TV video profile | - | - | {Erik} | - | - |
| 13.38 | [SP-160068](Docs\\SP-160068.zip" \t "_blank) | draft TS | TS 26.116 Television (TV) over 3GPP services; Video Profiles (TVProf) (Release 13) v. 2.0.0 | SA WG4 | Rel-13 |  | Approved | Approved |
| 13.38 | [SP-160069](Docs\\SP-160069.zip" \t "_blank) | CR Pack | CRs to TS 26.234 and TS 26.346 on 'Television (TV) over 3GPP services; Video Profiles (TVProf)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.39 | - | - | (E\_LTE\_UED) - Enhanced LTE UE delay test methods and requirements | - | - | {Erik} | - | - |
| 13.39 | [SP-160070](Docs\\SP-160070.zip" \t "_blank) | WI exception request | WI Exception request for E\_LTE\_UED Work Item (E\_LTE\_UED) | SA WG4 |  |  | Approved | Approved |
| 13.40 | - | - | (HTML5) - HTML5 Presentation Layer | - | - | {Erik} | - | - |
| 13.41 | - | - | (EVSoCS) - Support of EVS in 3G Circuit-Switched Networks | - | - | {Erik} | - | - |
| 13.41 | [SP-160017](Docs\\SP-160017.zip" \t "_blank) | LS In | LS from SA WG4: LS on EVS over CS | SA WG4 (S4-160310) | Rel-13 | EVSoCS | Noted | Noted |
| 13.41 | [SP-160071](Docs\\SP-160071.zip" \t "_blank) | draft TS | TS 26.453 Codec for Enhanced Voice Services (EVS); Speech codec frame structure (EVSoCS) (Release 13) v. 1.0.0 | SA WG4 | Rel-13 |  | Approved | Approved |
| 13.41 | [SP-160072](Docs\\SP-160072.zip" \t "_blank) | draft TS | TS 26.454 Codec for Enhanced Voice Services (EVS); Interface to Iu, Uu, Nb and Mb (EVSoCS) (Release 13) v. 1.0.0 | SA WG4 | Rel-13 |  | Morpho cards commented that there are some hanging paragraphs in this TS. SA WG4 were asked to clean this up with CRs. Approved | Approved |
| 13.41 | [SP-160073](Docs\\SP-160073.zip" \t "_blank) | CR Pack | CR to TS 26.103 on 'Introduction of EVS in the speech codec list for UMTS (EVSoCS)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.42 | - | - | (eDASH) - Enhanced DASH | - | - | {Erik} | - | - |
| 13.43 | - | - | (QOSE2EMTSI) - QoS End-to-end Multimedia Telephony Service for IMS (MTSI) extensions (Stage 3) | - | - | {Erik} | - | - |
| 13.43 | [SP-160074](Docs\\SP-160074.zip" \t "_blank) | CR Pack | CR to TS 26.114 on 'Completion of QOSE2EMTSI (QOSE2EMTSI)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.44 | - | - | (MMCMH) - MTSI Extension on Multi-stream Multiparty Conferencing Media Handling | - | - | {Erik} | - | - |
| 13.44 | [SP-160075](Docs\\SP-160075.zip" \t "_blank) | CR Pack | CR to TS 26.114 on 'Correction of SDP handling (MMCMH)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.45 | - | - | (VTRI\_EXT) - Video Telephony Robustness Improvements Extensions | - | - | {Erik} | - | - |
| 13.46 | - | - | (DESUDAPS) Development of super-wideband and fullband P.835 | - | - | {Erik} | - | - |
| 13E | - | - | SA WG5-related Work Items | - | - | {Erik} | - | - |
| 13.47 | - | - | (OAM13) - OAM&P Rel-13 (including all building blocks and work tasks) | - | - | {Erik} | - | - |
| 13.47 | [SP-160030](Docs\\SP-160030.zip" \t "_blank) | CR Pack | Rel-13 CRs on OAM Maintenance and small Enhancements (OAM13) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.47 | [SP-160033](Docs\\SP-160033.zip" \t "_blank) | CR Pack | Rel-13 CRs on WLAN Management (WLAN-OAM-SA5) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.48 | - | - | (SON-NM-CCO) - Enhanced Network Management (NM) centralized Coverage and Capacity Optimization | - | - | {Erik} | - | - |
| 13.49 | - | - | (OAM-NGMN\_OPE) - Compliance of 3GPP SA5 specifications to the NGMN Top Operational Efficiency (OPE) Recommendations | - | - | {Erik} | - | - |
| 13.49 | [SP-160036](Docs\\SP-160036.zip" \t "_blank) | CR Pack | Rel-13 CRs on Compliance of 3GPP SA5 specifications to the NGMN Top Operational Efficiency (OPE) Recommendations (OAM-NGMN-OPE) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.50 | - | - | (OAM-PMID) - Converged management Performance Management Interface Definitions | - | - | {Erik} | - | - |
| 13.51 | - | - | (WLAN-OAM) - WLAN Management | - | - | {Erik} | - | - |
| 13.52 | - | - | (OAM-PM\_EE) - Energy Efficiency related Performance Measurements | - | - | {Erik} | - | - |
| 13.52 | [SP-160060](Docs\\SP-160060.zip" \t "_blank) | CR Pack | Rel-13 CRs on Energy Efficiency related Performance Measurements (OAM-PM\_EE) | SA WG5 | Rel-13 | OAM-PM\_EE | Block approval candidate This was block approved. | Approved |
| 13.53 | - | - | (MBSFN\_MDT) - Multi-Broadcast Single Frequency Network (MBSFN) Minimization of Drive Tests (MDT) enhancement | - | - | {Erik} | - | - |
| 13.54 | - | - | (CH13) - Charging Management Rel-13 (including all building blocks and work tasks) | - | - | {Erik} | - | - |
| 13.54 | [SP-160037](Docs\\SP-160037.zip" \t "_blank) | CR Pack | Rel-13 CRs on Charging Management (CH13) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.55 | - | - | (iPLMN-PS-OCH) - Inter-PLMN PS domain online charging | - | - | {Erik} | - | - |
| 13.56 | - | - | (ULRELC-CH) - ULI and release causes for charging enhancement for VoLTE | - | - | {Erik} | - | - |
| 13.56 | [SP-160038](Docs\\SP-160038.zip" \t "_blank) | CR Pack | Rel-13 CRs on ULI and release causes for charging enhancement for VoLTE (ULRELC-CH) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.57 | - | - | (CHeISC) Charging on enhancements for IMS Service Continuity | - | - | {Erik} | - | - |
| 13.57 | [SP-160034](Docs\\SP-160034.zip" \t "_blank) | CR Pack | Rel-13 CRs on Charging on enhancements for IMS Service Continuity (CHeISC) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.58 | - | - | (ANIMO) Announcements for IMS Online Charging | - | - | {Erik} | - | - |
| 13.58 | [SP-160039](Docs\\SP-160039.zip" \t "_blank) | CR Pack | Rel-13 CRs on Announcements for IMS Online Charging (ANIMO) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.59 | - | - | (eSaMOG-CH) Enhanced S2a Mobility Over Trusted WLAN access to EPC - Charging | - | - | {Erik} | - | - |
| 13.60 | - | - | (NBIFOM-CH) - Charging Aspects of IP Flow Mobility support for S2a and S2b Interfaces (NBIFOM) | - | - | {Erik} | - | - |
| 13.60 | [SP-160028](Docs\\SP-160028.zip" \t "_blank) | WI exception request | Exception sheet Charging aspects of IP Flow Mobility support for S2a and S2b Interfaces | SA WG5 |  |  | Approved | Approved |
| 13.60 | [SP-160040](Docs\\SP-160040.zip" \t "_blank) | CR Pack | Rel-13 CRs on Charging Aspects of IP Flow Mobility support for S2a and S2b Interfaces (NBIFOM) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13.61 | - | - | (MONTE-CH) - Charging Aspects of MONTE | - | - | {Erik} | - | - |
| 13.61 | [SP-160024](Docs\\SP-160024.zip" \t "_blank) | draft TS | TS 32.278 'Telecommunication management; Charging management; Monitoring Event charging' | SA WG5 | Rel-13 |  | Approved | Approved |
| 13.61 | [SP-160035](Docs\\SP-160035.zip" \t "_blank) | CR Pack | Rel-13 CRs on Charging aspects of MONTE (MONTE-CH) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 13F | - | - | SA WG6-related Work Items | - | - | {Erik} | - | - |
| 13.62 | - | - | (MCPTT) - Mission Critical Push-to-Talk over LTE | - | - | {Erik} | - | - |
| 13.62 | [SP-160137](Docs\\SP-160137.zip" \t "_blank) | DISCUSSION | Codec choices for critical communications | MINISTERE DE L'INTERIEUR |  |  | Noted Co-signed by: MoI of Austrian, MoI of Bulgaria, MoI of Czech Republic, MoI of Germany, Police of Finland, Suomen virveverkko Oy, (subsidiary of Finnish State Security Networks), An Garda Siochana (Irish Police), The Police of the Netherlands, British-APCO, PSC-Europe, TCCA, Airbus, Airwave Solutions Limited, Harris Corporation, Finmeccanica, Motorola Solutions, P3 Communications, Sepura. | Noted |
| 13.62 | SP-160062 | TS or TR cover | MCPTT Vocoder Selection | U.S. Department of Commerce | Rel-13 |  | **LATE DOC**: WITHDRAWN | Withdrawn |
| 13.62 | [SP-160076](Docs\\SP-160076.zip" \t "_blank) | CR Pack | CRs to TS 26.346 on 'Editorial Corrections and Corrections to MBMS Group Communication Delivery Method (MCPTT)' (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 13.62 | [SP-160046](Docs\\SP-160046.zip" \t "_blank) | draft TR | TR 33.879: Study on Security Enhancements for Mission Critical Push To Talk (MCPTT) over LTE | SA WG3 | Rel-13 |  | Approved | Approved |
| 13.62 | [SP-160047](Docs\\SP-160047.zip" \t "_blank) | draft TS | TS 33.179: Security for Mission Critical Push To Talk (MCPTT) over LTE. | SA WG3 | Rel-13 |  | Approved | Approved |
| 13.62 | [SP-160058](Docs\\SP-160058.zip" \t "_blank) | CR Pack | Rel-13 CRs to TS 23.179 for MCPTT | SA WG6 | Rel-13 |  | Correction to 23.179 CR0034R3 provided in SP-160188. All CRs, except 23.179 CR0034R3, were approved. | Partially approved |
| 13.62 | [SP-160188](Docs\\SP-160188.zip" \t "_blank) | CR | 23.179 CR0034R4: CR correction to group management procedures | Motorola Solutions UK Ltd. | Rel-13 | MCPTT | LATE REQUEST: **LATE DOC**: Rx: 09/03 08:00. Correction of 23.179 CR0034R3 in SP-160058. This CR was approved | Approved |
| 13.62 | [SP-160205](Docs\\SP-160205.zip" \t "_blank) | draft TS | TS 26.179 Mission Critical Push To Talk; Codecs and media handling (Release 13), Version 1.0.0 | SA WG4 | Rel-13 |  | Approved | Approved |
| 13G | - | - | Other Work Items and Documents | - | - | {Erik} | - | - |
| 13.63 | - | - | (TEI13) - TEI Rel-13 | - | - | {Erik} | - | - |
| 13.63 | [SP-160053](Docs\\SP-160053.zip" \t "_blank) | CR Pack | Rel-13 CRs on TEI (TEI13) | SA WG3 |  |  | Block approval candidate This was block approved. | Approved |
| 13.63 | [SP-160092](Docs\\SP-160092.zip" \t "_blank) | CR Pack | Stage 1 CRs on MMTEL/TEI13 | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 13.63 | [SP-160094](Docs\\SP-160094.zip" \t "_blank) | CR Pack | Stage 1 CRs on TEI13 | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 13.63 | [SP-160162](Docs\\SP-160162.zip" \t "_blank) | CR Pack | 8 CRs to 23.002, 23.167, 23.203, 23.401, 23.402 (TEI13, Rel-13) | SA WG2 |  | TEI13 | Block approval candidate This was block approved. | Approved |
| 13.64 | - | - | Any other Release 13 documents | - | - | {Erik} | - | - |
| 13.64 | [SP-160077](Docs\\SP-160077.zip" \t "_blank) | CR Pack | CRs to TS 26.114, 26.173, TS 26.174, and TS 26.204 on 'AMRWB' and 'MTSI\_eMHI' work items (Release 13) | SA WG4 |  |  | Block approval candidate This was block approved. | Approved |
| 14 | - | - | Documents related to Release 14 Features | - | - | {Erik} | - | - |
| 14A | - | - | SA WG1-related Work Items | - | - | {Erik} | - | - |
| 14.1 | - | - | (PWDIMS) Password based service activation for IMS Multimedia Telephony service | - | - | {Erik} | - | - |
| 14.2 | - | - | (MPS\_Mods) Multimedia Priority Service Modifications | - | - | {Erik} | - | - |
| 14.2 | [SP-160097](Docs\\SP-160097.zip" \t "_blank) | CR Pack | Stage 1 CRs on MPS\_Mods | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.2 | [SP-160098](Docs\\SP-160098.zip" \t "_blank) | WI exception request | Exception sheet for TS 22.153 (MPS\_Mod Stage 1) | SA WG1 | Rel-14 |  | Approved | Approved |
| 14.3 | - | - | (ELIOT) Enhancing Location Capabilities for Indoor and Outdoor Emergency Communications | - | - | {Erik} | - | - |
| 14.4 | - | - | (V2XLTE) - LTE support for V2X services | - | - | {Erik} | - | - |
| 14.4 | [SP-160099](Docs\\SP-160099.zip" \t "_blank) | draft TS | TS 22.185: Stage 1 for LTE support for V2X services (for one-step approval) | SA WG1 | Rel-14 |  | Approved | Approved |
| 14.5 | - | - | (eDSVCC) - Enhancements to Domain Selection between VoLTE and CDMA CS | - | - | {Erik} | - | - |
| 14.6 | - | - | (eULRS) - Enhancements to User Location Reporting Support | - | - | {Erik} | - | - |
| 14.6 | [SP-160100](Docs\\SP-160100.zip" \t "_blank) | CR Pack | Stage 1 CR(s) on eULRS | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.7 | - | - | (CATS) - Control of Applications when Third party Servers encounter difficulties | - | - | {Erik} | - | - |
| 14.8 | - | - | (EIEI) - Evolution to and Interworking with eCall in IMS | - | - | {Erik} | - | - |
| 14.9 | - | - | (MCImp) - Mission Critical Improvements (includes MCPTT Realignment, Services Common Requirements, Video over LTE, Data over LTE) | - | - | {Erik} | - | - |
| 14.9 | [SP-160101](Docs\\SP-160101.zip" \t "_blank) | draft TS | TS 22.280: Stage 1 for Mission Critical Services Common Requirements | SA WG1 | Rel-14 |  | Noted | Noted |
| 14.9 | [SP-160102](Docs\\SP-160102.zip" \t "_blank) | WI exception request | Exception sheet for MCCoRe Stage 1/TS 22.280 | SA WG1 | Rel-14 |  | Approved | Approved |
| 14.9 | [SP-160103](Docs\\SP-160103.zip" \t "_blank) | CR Pack | Stage 1 CRs for MCPTT-R | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.9 | [SP-160104](Docs\\SP-160104.zip" \t "_blank) | WI exception request | Exception sheet for MCPTT-R | SA WG1 |  |  | Approved | Approved |
| 14.9 | [SP-160105](Docs\\SP-160105.zip" \t "_blank) | draft TS | TS 22.281: Stage 1 for Mission Critical Video over LTE | SA WG1 | Rel-14 |  | Noted | Noted |
| 14.9 | [SP-160106](Docs\\SP-160106.zip" \t "_blank) | WI exception request | Exception sheet for MCVideo/TS 22.281 | SA WG1 | Rel-14 |  | Approved | Approved |
| 14.9 | [SP-160108](Docs\\SP-160108.zip" \t "_blank) | draft TS | TS 22.282: Stage 1 for Mission Critical Data over LTE | SA WG1 | Rel-14 |  | Noted | Noted |
| 14.9 | [SP-160109](Docs\\SP-160109.zip" \t "_blank) | WI exception request | Exception sheet for MCData/TS 22.282 | SA WG1 |  |  | Approved | Approved |
| 14.10 | - | - | (EnTV) - Enhancements for TV Service | - | - | {Erik} | - | - |
| 14.10 | [SP-160110](Docs\\SP-160110.zip" \t "_blank) | CR Pack | Stage 1 CRs on EnTV | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.11 | - | - | (PS\_Data\_Off) - PS Data Off Services | - | - | {Erik} | - | - |
| 14.11 | [SP-160111](Docs\\SP-160111.zip" \t "_blank) | CR Pack | Stage 1 CRs on PS\_Data\_Off | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14B | - | - | SA WG2-related Work Items | - | - | {Erik} | - | - |
| 14.12 | - | - | (EIEI) - Stage 2 of Evolution to and Interworking with eCall in IMS | - | - | {Erik} | - | - |
| 14.13 | - | - | (EWE) - EIR check for WLAN access to EPC | - | - | {Erik} | - | - |
| 14C | - | - | SA WG4-related Work Items | - | - | {Erik} | - | - |
| 14.14 | - | - | (TRAPI) - EIR check for WLAN access to EPC | - | - | {Erik} | - | - |
| 14.14 | [SP-160078](Docs\\SP-160078.zip" \t "_blank) | WID revised | Revised WID MBMS Transport Protocol and APIs (TRAPI) | SA WG4 |  |  | Approved | Approved |
| 14.14 | [SP-160138](Docs\\SP-160138.zip" \t "_blank) | CR | 26.852 CR0001R2: DNS-based MBMS URL form | Apple (UK) Limited | Rel-13 | TRAPI | Revision of 26.852 CR0001R1 in SP-160079. This CR was approved | Approved |
| 14.14 | [SP-160079](Docs\\SP-160079.zip" \t "_blank) | CR Pack | CR to TR 26.852 on 'DNS-based MBMS URL form (TRAPI)' (Release 14) | SA WG4 |  |  | Revision of 26.852 CR0001R1 provided in SP-160138. This CR was not pursued and the CR is considered as revised in SP-160138. | Not pursued |
| 14.15 | - | - | (DESUDAPS) - Development of super-wideband and fullband P.835 | - | - | {Erik} | - | - |
| 14D | - | - | SA WG5-related Work Items | - | - | {Erik} | - | - |
| 14.16 | - | - | (OAM14) - OAM&P Rel-14 (including all building blocks and work tasks | - | - | {Erik} | - | - |
| 14.16 | [SP-160022](Docs\\SP-160022.zip" \t "_blank) | WID new | New WID Filtering of PM measurements and data volume measurements for shared networks | SA WG5 |  |  | Approved | Approved |
| 14.16 | [SP-160029](Docs\\SP-160029.zip" \t "_blank) | CR Pack | Rel-14 CRs on OAM Maintenance and small Enhancements (OAM14) | SA WG5 |  |  | Block approval candidate This was block approved. | Approved |
| 14.16.1 | - | - | (OAM14-MAMO\_VNF-MCAR) - Management concept, architecture and requirements for mobile networks that include virtualized network functions | - | - | {Erik} | - | - |
| 14.16.1 | [SP-160010](Docs\\SP-160010.zip" \t "_blank) | LS In | LS from ONF: For information - Prepublication of SDN architecture issue 1.1 | Open Network Foundation (2016 01 Multi-SDO) |  |  | Noted | Noted |
| 14.16.1 | [SP-160018](Docs\\SP-160018.zip" \t "_blank) | LS In | LS from SA WG5: LS Response to SA WG5 on guidelines for cooperation between SA WG5 and ETSI ISG NFV | SA WG5 (S5-161234) | Rel-14 | OAM14-MAMO\_VNF | Noted | Noted |
| 14.16.1 | [SP-160023](Docs\\SP-160023.zip" \t "_blank) | WID revised | Revised WID Management concept, architecture and requirements for mobile networks that include virtualized network functions | SA WG5 |  |  | Approved | Approved |
| 14.16.2 | - | - | (OAM14-MAMO\_VNF-CM) - Configuration Management for mobile networks that include virtualized network functions | - | - | {Erik} | - | - |
| 14.16.3 | - | - | (OAM14-MAMO\_VNF-FM) - Fault Management for mobile networks that include virtualized network functions | - | - | {Erik} | - | - |
| 14.16.4 | - | - | (OAM14-MAMO\_VNF-PM) - Performance management for mobile networks that include virtualized network functions | - | - | {Erik} | - | - |
| 14.16.5 | - | - | (OAM14-MAMO\_VNF-LCM) - Lifecycle management for mobile networks that include virtualized network functions | - | - | {Erik} | - | - |
| 14E | - | - | Other Work Items and Documents | - | - | {Erik} | - | - |
| 14.17 | - | - | (TEI14) - TEI Rel-14 | - | - | {Erik} | - | - |
| 14.17 | [SP-160095](Docs\\SP-160095.zip" \t "_blank) | CR Pack | Stage 1 CR on Local supervisory tones (TEI14) | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.17 | [SP-160096](Docs\\SP-160096.zip" \t "_blank) | CR Pack | Stage 1 CR on GTT vs RTT (TEI14) | SA WG1 |  |  | Block approval candidate This was block approved. | Approved |
| 14.18 | - | - | Any other Rel-14 Documents | - | - | {Erik} | - | - |
| 15 | - | - | Documents related to Current Study Items | - | - | {Erik} | - | - |
| 15.1 | - | - | Completed Study Items (Rel-13 through Rel-14, where not mentioned elsewhere) | - | - | {Erik} | - | - |
| 15.1A | - | - | SA WG1 Studies | - | - | {Erik} | - | - |
| 15.1.1 | - | - | (FS\_MAPN) - Study on Need for multiple APNs | - | - | {Erik} | - | - |
| 15.1.2 | - | - | (FS\_MBSP) - Multimedia Broadcast Supplement for PWS | - | - | {Erik} | - | - |
| 15.1.3 | - | - | (FS\_UC\_SPOOF) - Service aspects for dealing with User Control over spoofed calls | - | - | {Erik} | - | - |
| 15.1.4 | - | - | (FS\_eULRS) - Study on Enhancements to User Location Reporting Support | - | - | {Erik} | - | - |
| 15.1.5 | - | - | (FS\_CATS) - Study on Control of Applications when Third party Servers encounter difficulties | - | - | {Erik} | - | - |
| 15.1.6 | - | - | (FS\_ACDC) Study on Application specific Congestion control for Data Communication | - | - | {Erik} | - | - |
| 15.1.7 | - | - | (FS\_IOPS) Study on Isolated E-UTRAN Operation for Public Safety | - | - | {Erik} | - | - |
| 15.1.8 | - | - | (FS\_eICBD) Study on enhancements for Infrastructure based data Communication Between Devices | - | - | {Erik} | - | - |
| 15.1.9 | - | - | (FS\_CSIPTO) Study on Co-ordinated packet data network gateway (P-GW) change for SIPTO | - | - | {Erik} | - | - |
| 15.1.10 | - | - | (FS\_FMSS) Study on Flexible Mobile Service Steering | - | - | {Erik} | - | - |
| 15.1.11 | - | - | (FS\_ECIP) Study on Enhanced Calling Information Presentation | - | - | {Erik} | - | - |
| 15.1.12 | - | - | (FS\_GUSH) Study on RAN Sharing Enhancements on GERAN and UTRAN | - | - | {Erik} | - | - |
| 15.1.13 | - | - | (FS\_MCVideo) - Study on Mission Critical Video over LTE | - | - | {Erik} | - | - |
| 15.1.14 | - | - | (FS\_MCDATA) - Study on Mission Critical Data Communications | - | - | {Erik} | - | - |
| 15.1.15 | - | - | (FS\_V2XLTE) - Study on LTE support for V2X services | - | - | {Erik} | - | - |
| 15.1.15 | [SP-160008](Docs\\SP-160008.zip" \t "_blank) | LS In | LS from ETSI ITS: LTE support for V2X services (FS\_V2XLTE) | ETSI ITS (ITS(16)000010r2) |  | FS\_V2XLTE | Noted | Noted |
| 15.1.15 | [SP-160011](Docs\\SP-160011.zip" \t "_blank) | LS In | LS from WWRF VIP WG1: WWRF Response to Liaison Statement to 3GPP on LTE support for V2X services | WWRF VIP WG1: Connected Cars (WWRF Liaison Statement to 3GPP\_January 2016\_v3) |  | FS\_V2XLTE | Noted | Noted |
| 15.1.15 | [SP-160150](Docs\\SP-160150.zip" \t "_blank) | LS In | LS from TTC: Reply LS Regarding LTE support for V2X services | TTC (TTC LS Response on LTE support for V2X services) | Rel-14 | FS\_V2XLTE | Forwarded to 3GPPLIaisons to make it an official LS in. This was discussed and it was decided to forward this to SA WG1. Noted | Noted |
| 15.1.15 | [SP-160175](Docs\\SP-160175.zip" \t "_blank) | LS In | LS from ARIB: Reply LS Regarding LTE support for V2X services | ARIB (TTC LS Response on LTE support for V2X services) | Rel-14 |  | Forwarded to 3GPPLIaisons to make it an official LS in. Noted | Noted |
| 15.1.16 | - | - | (FS\_EnTV) - Study on 3GPP Enhancement for TV Video service | - | - | {Erik} | - | - |
| 15.1.17 | - | - | (FS\_PPEPO\_LTE) - Study on Paging Policy Enhancements and Procedure Optimizations in LTE | - | - | {Erik} | - | - |
| 15.1.18 | - | - | (FS\_eFMSS) - Study on enhancement to FMSS for Rel 14 | - | - | {Erik} | - | - |
| 15.1B | - | - | SA WG2 Studies | - | - | {Erik} | - | - |
| 15.1.19 | - | - | (FS\_HLCom) - Study on Optimizations to Support High Latency Communications | - | - | {Erik} | - | - |
| 15.1.20 | - | - | (FS\_eDRX) - Feasibility study on Extended DRX cycle for Power Consumption Optimization | - | - | {Erik} | - | - |
| 15.1.21 | - | - | (FS\_MBMS\_enh\_TR) – Study on MBMS Enhancements | - | - | {Erik} | - | - |
| 15.1.22 | - | - | (FS\_IOPS\_St2) - Study on architecture enhancements for Public Safety | - | - | {Erik} | - | - |
| 15.1.23 | - | - | (FS\_SEW) - Study on the Support of Emergency services over WLAN | - | - | {Erik} | - | - |
| 15.1.24 | - | - | (FS\_CNO) - Study on Core Network Overload solutions | - | - | {Erik} | - | - |
| 15.1.25 | - | - | (FS\_SEEE) - Study on System Enhancements for Energy Efficiency | - | - | {Erik} | - | - |
| 15.1.26 | - | - | (FS\_UMONC\_sas) - SA2 part of Study on Usage Monitoring Control PCC Enhancement | - | - | {Erik} | - | - |
| 15.1C | - | - | SA WG3 Studies | - | - | {Erik} | - | - |
| 15.1.27 | - | - | (FS\_SSO\_Int\_Sec) - Study on Security aspects of Integration of Single Sign-On (SSO) frameworks with 3GPP networks | - | - | {Erik} | - | - |
| 15.1.28 | - | - | (FS\_IOPS\_Sec) - Study on Security Aspects of Isolated E-UTRAN Operation for Public Safety | - | - | {Erik} | - | - |
| 15.1D | - | - | SA WG4 Studies | - | - | {Erik} | - | - |
| 15.1.29 | - | - | (FS\_VE\_3MS) – Study on Video Enhancements in 3GPP Multimedia Services | - | - | {Erik} | - | - |
| 15.1E | - | - | SA WG5 Studies | - | - | {Erik} | - | - |
| 15.1.30 | - | - | (FS\_OAM\_AP\_Itf-N) - Study on Application and Partitioning of Itf-N | - | - | {Erik} | - | - |
| 15.1.31 | - | - | (FS\_REVOLTE\_IMS\_CH) - Charging aspects on Roaming End-to-end scenarios with VoLTE IMS and interconnecting networks | - | - | {Erik} | - | - |
| 15.1.32 | - | - | (FS\_OAM\_VIRNET) - Study on Network Management of Virtualized Networks | - | - | {Erik} | - | - |
| 15.1F | - | - | SA WG6 Studies | - | - | {Erik} | - | - |
| 15.1.33 | - | - | (MCPTT) Study on Application Architecture to support MCPTT | - | - | {Erik} | - | - |
| 15.2 | - | - | Ongoing Studies | - | - | {Erik} | - | - |
| 15.2A | - | - | SA WG1 Studies | - | - | {Erik} | - | - |
| 15.2.1 | - | - | (FS\_SMARTER) Study on New Services and Markets Technology Enablers | - | - | {Erik} | - | - |
| 15.2.1 | [SP-160118](Docs\\SP-160118.zip" \t "_blank) | draft TR | TR 22.891: Study on New Services and Markets Technology Enablers | SA WG1 | Rel-14 |  | Approved | Approved |
| 15.2.1 | [SP-160013](Docs\\SP-160013.zip" \t "_blank) | LS In | LS from TSG RAN: LS on Scenarios and Requirements for Next Generation Access Technologies | TSG RAN (RPa160083) | Rel-14 |  | Noted | Noted |
| 15.2.1 | [SP-160146](Docs\\SP-160146.zip" \t "_blank) | LS In | LS from SA WG1: Reply LS on Scenarios and Requirements for Next Generation Access Technologies | SA WG1 (S1-160559) | Rel-14 | FS\_SMARTER | Noted | Noted |
| 15.2.2 | - | - | (FS\_SMARTER-mIoT) FS\_SMARTER - massive Internet of Things | - | - | {Erik} | - | - |
| 15.2.2 | [SP-160119](Docs\\SP-160119.zip" \t "_blank) | draft TR | TR 22.861: Study on New Services and Markets Technology Enablers – massive Internet of Things | SA WG1 | Rel-14 |  | Noted | Noted |
| 15.2.3 | - | - | (FS\_SMARTER-CRIC) - Critical Communications | - | - | {Erik} | - | - |
| 15.2.3 | [SP-160120](Docs\\SP-160120.zip" \t "_blank) | draft TR | TR 22.862: Study on SMARTER Critical Communications | SA WG1 | Rel-14 |  | Noted | Noted |
| 15.2.4 | - | - | (FS\_SMARTER-eMBB) - enhanced Mobile Broadband | - | - | {Erik} | - | - |
| 15.2.4 | [SP-160121](Docs\\SP-160121.zip" \t "_blank) | draft TR | TR 22.863: Study New Services and Markets Technology Enablers – enhanced Mobile Broadband | SA WG1 | Rel-14 |  | Noted | Noted |
| 15.2.5 | - | - | (FS\_SMARTER-NEO) - Network Operation | - | - | {Erik} | - | - |
| 15.2.5 | [SP-160122](Docs\\SP-160122.zip" \t "_blank) | draft TR | TR 22.864: Study on New Services and Markets Technology Enablers – Network Operation | SA WG1 | Rel-14 |  | Noted | Noted |
| 15.2B | - | - | SA WG2 Studies | - | - | {Erik} | - | - |
| 15.2.6 | - | - | (FS\_V8) Study on S8 Home Routing Architecture | - | - | {Erik} | - | - |
| 15.2.6 | [SP-160005](Docs\\SP-160005.zip" \t "_blank) | LS In | LS from SA WG2: Reply LS on S8HR roaming architecture handling of E9-1-1 calls in the US and Canada | SA WG2 (S2-153684) |  | FS\_V8 | Postponed SP-150589 from meeting #70. Noted | Noted |
| 15.2.6 | [SP-160016](Docs\\SP-160016.zip" \t "_blank) | LS In | LS from SA WG3LI: LS on impact on S8HR of regulations implementing WTO GATS Annex on Telecommunications | SA WG3LI (S3i160102) |  |  | Noted | Noted |
| 15.2.6 | [SP-160180](Docs\\SP-160180.zip" \t "_blank) | discussion | Proposal for Prioritization of VoLTE roaming related Study Item and Work Item | NTT DOCOMO, Deutsche Telekom, Telenor, Verizon, Vodafone |  |  | LATE REQUEST: **LATE DOC**: Rx 04/03, 14:20. Noted | Noted |
| 15.2.6 | [SP-160181](Docs\\SP-160181.zip" \t "_blank) | WID new | New WID on S8 Home Routing Architecture for VoLTE | NTT DOCOMO, Deutsche Telekom, Telenor, Verizon, Vodafone |  |  | LATE REQUEST: **LATE DOC**: Rx 04/03, 14:20. Revised to SP-160204. | Revised |
| 15.2.6 | SP-160204 | WID new | New WID on S8 Home Routing Architecture for VoLTE | NTT DOCOMO, Deutsche Telekom, Telenor, Verizon, Vodafone |  |  | Revision of SP-160181. WITHDRAWN There is a significant interest in S8HR on part of some operators from the point of view for LTE roaming business opportunities. TSG SA encourages member companies to actively contribute in SA WG2 and SA WG3-LI for a timely completion of the study and the normative work. | Withdrawn |
| 15.2.6 | [SP-160216](Docs\\SP-160216.zip" \t "_blank) | DISCUSSION | Text proposal for meeting minutes on S8HR way forward | NTT DOCOMO |  |  | The text was agreed for inclusion in this report (above). This was then noted. | Noted |
| 15.2.7 | - | - | (FS\_AE\_CIoT) - Study on architecture enhancements of cellular systems for ultra low complexity and low throughput Internet of Things | - | - | {Erik} | - | - |
| 15.2.7 | [SP-160166](Docs\\SP-160166.zip" \t "_blank) | draft TR | TR 23.720 version 2.0.0: 'Architecture enhancements for Cellular Internet of Things (Release 13)', for approval | SA WG2 | Rel-13 | FS\_AE\_CIoT | Approved | Approved |
| 15.2.8 | - | - | (FS\_SEW2) - Study on Phase 2 of the Support of Emergency services over WLAN | - | - | {Erik} | - | - |
| 15.2.8 | SP-160168 | SID new | New SID on Feasibility study on the Support of Emergency services over WLAN | SA WG2 |  | FS\_SEW2 | FS\_SEW2 was approved at TSG SA#71. This should be type 'SID revised'. Replaced by SP-160173. WITHDRAWN | Withdrawn |
| 15.2.8 | [SP-160173](Docs\\SP-160173.zip" \t "_blank) | SID revised | Updated SID on Feasibility study on the Support of Emergency services over WLAN (FS\_SEW2) | SA WG2 |  | FS\_SEW2 | Correction of Type for SP-160168. Approved | Approved |
| 15.2.8 | [SP-160165](Docs\\SP-160165.zip" \t "_blank) | draft TR | TR 23.771 version 1.3.0: 'Study on system impacts of IMS emergency sessions over WLAN', for information | SA WG2 | Rel-13 | FS\_SEW | Noted | Noted |
| 15.2.9 | - | - | (FS\_AULC) - Study on improvement of awareness of user location change | - | - | {Erik} | - | - |
| 15.2.10 | - | - | (FS\_eDecor) - Study on Enhancements of Dedicated Core Networks selection mechanism | - | - | {Erik} | - | - |
| 15.2.11 | - | - | (FS\_CUPS) - Study on Control and User Plane Separation of EPC nodes | - | - | {Erik} | - | - |
| 15.2.12 | - | - | (FS\_SeDOC) - Study on Service Domain Centralization | - | - | {Erik} | - | - |
| 15.2.12 | [SP-160167](Docs\\SP-160167.zip" \t "_blank) | SID revised | Revised Study WID: Service Domain Centralization | SA WG2 |  | FS\_SeDoC | Approved | Approved |
| 15.2.13 | - | - | (FS\_SDCI) - Study on sponsored data connectivity improvements | - | - | {Erik} | - | - |
| 15.2.14 | - | - | (FS\_GENCEF) - Study on group based enhancements in the network capability exposure functions | - | - | {Erik} | - | - |
| 15.2.15 | - | - | (FS\_RobVoLTE) - Study on Robust Call Setup for VoLTE subscriber in LTE | - | - | {Erik} | - | - |
| 15.2.16 | - | - | (FS\_NexGen) - Study on Architecture for next Generation System | - | - | {Erik} | - | - |
| 15.2.17 | - | - | (FS\_V2XARC) - Study on Stage 2of LTE support for V2X services | - | - | {Erik} | - | - |
| 15.2C | - | - | SA WG3 Studies | - | - | {Erik} | - | - |
| 15.2.18 | - | - | (FS\_BEST\_MTC\_Sec) - Study on Battery Efficient Security for very low Throughput Machine Type Communication Devices | - | - | {Erik} | - | - |
| 15.2.18 | [SP-160048](Docs\\SP-160048.zip" \t "_blank) | draft TR | TR 33.863 'Study on battery efficient security for very low throughput Machine Type Communication Devices' | SA WG3 | Rel-13 |  | Noted | Noted |
| 15.2.19 | - | - | (FS\_ProSe\_Sec) - Study on Security for Proximity-based Services | - | - | {Erik} | - | - |
| 15.2.20 | - | - | (FS\_SPI) - Study on Subscriber Privacy Impact in 3GPP | - | - | {Erik} | - | - |
| 15.2.20 | [SP-160045](Docs\\SP-160045.zip" \t "_blank) | draft TR | TR 33.849: Study on subscriber privacy impact in 3GPP. | SA WG3 | Rel-13 |  | Approved | Approved |
| 15.2.21 | - | - | (FS\_LISE) - Study on Lawful Interception Service Evolution | - | - | {Erik} | - | - |
| 15.2.22 | - | - | (FS\_ESCAPADES) - Study on IMS enhanced spoofed call prevention and detection | - | - | {Erik} | - | - |
| 15.2.23 | - | - | (FS\_EASE\_IoT) - Study on EGPRS Access Security Enhancements with relation to cellular IoT | - | - | {Erik} | - | - |
| 15.2.23 | [SP-160044](Docs\\SP-160044.zip" \t "_blank) | draft TR | TR 33.860: Study on EGPRS Access Security Enhancements with relation to cellular IoT | SA WG3 | Rel-13 |  | Approved | Approved |
| 15.2.24 | - | - | (FS\_LIV8) Study on LI in S8 Home Routing Architecture for VoLTE | - | - | {Erik} | - | - |
| 15.2.25 | - | - | (FS\_V2XLTE) - Study on security aspects | - | - | {Erik} | - | - |
| 15.2D | - | - | SA WG4 Studies | - | - | {Erik} | - | - |
| 15.2.26 | - | - | (FS\_SETA\_S4) Study on Media and Quality Aspects of SRVCC Enhancements | - | - | {Erik} | - | - |
| 15.2.26 | [SP-160080](Docs\\SP-160080.zip" \t "_blank) | draft TR | TR 26.916 Media handling and Quality aspects of SRVCC (FS\_SETA\_S4) (Release 14) v. 2.0.0 | SA WG4 | Rel-14 |  | Approved | Approved |
| 15.2.27 | - | - | (FS\_SEATS) - Study on Enhanced Acoustic Test Specifications | - | - | {Erik} | - | - |
| 15.2.28 | - | - | (FS\_IS3) - Study on Interactivity Support for 3GPP-based Streaming and Download Services | - | - | {Erik} | - | - |
| 15.2E | - | - | SA WG5 Studies | - | - | {Erik} | - | - |
| 15.2.29 | - | - | (FS\_DOCME\_CH) Study on Overload Control for Diameter Charging Applications | - | - | {Erik} | - | - |
| 15.2.30 | - | - | (FS\_OAM\_NGMN\_NGCOR) Study on Compliance of 3GPP SA5 specifications to the NGMN NGCOR | - | - | {Erik} | - | - |
| 15.2.31 | - | - | (FS\_D\_MLB\_SON\_OAM) - Study on Enhancements of OAM aspects of Distributed Mobility Load Balancing (MLB) SON function | - | - | {Erik} | - | - |
| 15.2.32 | - | - | (FS\_KQISE) - Study on KQI for Service Experience | - | - | {Erik} | - | - |
| 15.2.32 | [SP-160027](Docs\\SP-160027.zip" \t "_blank) | draft TR | TR 32.862 'Study on KQIs for service experience' | SA WG5 | Rel-14 |  | Approved | Approved |
| 15.2.33 | - | - | (FS\_DCCHII) - Study on Determination of Completeness of Charging Information in IMS | - | - | {Erik} | - | - |
| 15.2.33 | [SP-160025](Docs\\SP-160025.zip" \t "_blank) | draft TR | TR 32.850 'Study on Determination of Completeness of Charging Information in IMS' | SA WG5 | Rel-14 |  | Approved | Approved |
| 15.2.34 | - | - | (FS\_OAM\_LSA) - Study on OAM support for Licensed Shared Access (LSA) | - | - | {Erik} | - | - |
| 15.2.34 | [SP-160026](Docs\\SP-160026.zip" \t "_blank) | draft TR | TR 32.855 'Study on OAM support for Licensed Shared Access (LSA)' | SA WG5 | Rel-14 |  | Approved | Approved |
| 15.2.35 | - | - | (FS\_OAM\_EE) - Study on OAM support for assessment of energy efficiency in mobile access networks | - | - | {Erik} | - | - |
| 15.2.36 | - | - | (FS\_OAM\_SON\_AAS) - Study on OAM support for SON for AAS-based deployments | - | - | {Erik} | - | - |
| 16 | - | - | Proposed New WIDs (not part of an existing feature) | - | - | {Erik} | - | - |
| 16 | [SP-160113](Docs\\SP-160113.zip" \t "_blank) | WID new | New WID on PPEPO\_LTE | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160112](Docs\\SP-160112.zip" \t "_blank) | CR Pack | Stage 1 CRs on PPEPO\_LTE | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160115](Docs\\SP-160115.zip" \t "_blank) | WID new | New WID on eFMSS | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160114](Docs\\SP-160114.zip" \t "_blank) | CR Pack | Stage 1 CRs on eFMSS | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160117](Docs\\SP-160117.zip" \t "_blank) | WID new | New WID on USOS (Unlicensed Spectrum Offloading System enhancements) | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160116](Docs\\SP-160116.zip" \t "_blank) | CR Pack | Stage 1 CRs on USOS (Unlicensed Spectrum Offloading System enhancements) | SA WG1 |  |  | Approved | Approved |
| 16 | [SP-160169](Docs\\SP-160169.zip" \t "_blank) | WID new | New WID on the Support of Emergency services over WLAN - phase 2 (SEW2) | SA WG2 |  |  | Noted | Noted |
| 16 | [SP-160021](Docs\\SP-160021.zip" \t "_blank) | WID new | New WID Resource Optimization for PS Domain Online Charging Sessions | SA WG5 |  |  | Approved | Approved |
| 16 | [SP-160081](Docs\\SP-160081.zip" \t "_blank) | WID new | New Work Item on 'Media Handling Extensions of IMS-based Telepresence' (IMS\_TELEP\_EXT) | SA WG4 |  |  | Approved | Approved |
| 16 | [SP-160082](Docs\\SP-160082.zip" \t "_blank) | WID new | New Work Item on 'Improved Streaming QoE Reporting in 3GPP Services and Networks' (IQoE) | SA WG4 |  |  | Approved | Approved |
| 17 | - | - | Proposed New Study Items (SIDs) | - | - | {Erik} | - | - |
| 17 | [SP-160042](Docs\\SP-160042.zip" \t "_blank) | SID new | Study on Architecture and Security for Next Generation System | SA WG3 |  |  | Revised to SP-160200. | Revised |
| 17 | [SP-160200](Docs\\SP-160200.zip" \t "_blank) | SID revised | Study on Architecture and Security for Next Generation System | SA WG3 |  | FS\_NextGen, FS\_NSA | Revision of SP-160042. Revised to SP-160227. | Revised |
| 17 | [SP-160227](Docs\\SP-160227.zip" \t "_blank) | SID revised | Study on Architecture and Security for Next Generation System | SA WG3 |  | FS\_NextGen, FS\_NSA | Revision of SP-160200. Approved | Approved |
| 17 | [SP-160083](Docs\\SP-160083.zip" \t "_blank) | SID new | New Study Item on 'Server and Network Assisted DASH for 3GPP Multimedia Services' (FS\_SAND) | SA WG4 |  |  | Approved | Approved |
| 17 | [SP-160084](Docs\\SP-160084.zip" \t "_blank) | SID new | New Study Item on 'Virtual Reality' (FS\_VR) | SA WG4 |  |  | Approved | Approved |
| 17 | [SP-160085](Docs\\SP-160085.zip" \t "_blank) | SID new | New Study Item on 'UE characteristics and performance for Video Telephony' (FS\_UE\_VTPerf) | SA WG4 |  |  | Approved | Approved |
| 17 | [SP-160020](Docs\\SP-160020.zip" \t "_blank) | SID new | New Study on Implementation for the Partitioning of Itf-N | SA WG5 |  |  | Approved | Approved |
| 17 | [SP-160059](Docs\\SP-160059.zip" \t "_blank) | SID new | New study item on MBMS for mission critical communication services | SA WG6 |  |  | Revised to SP-160201. | Revised |
| 17 | [SP-160201](Docs\\SP-160201.zip" \t "_blank) | SID new | New study item on MBMS for mission critical communication services | SA WG6 |  |  | Revision of SP-160059. Approved | Approved |
| 18 | - | - | Project Management | - | - | {Erik} | - | - |
| 18.1 | - | - | Review of the work plan | - | - | {Erik} | - | - |
| 18.1 | [SP-160136](Docs\\SP-160136.zip" \t "_blank) | Work Plan | Work Plan presentation | MCC |  |  | Noted | Noted |
| 18.2 | - | - | Release contents and planning discussions | - | - | {Erik} | - | - |
| 18.3 | - | - | Specification Status | - | - | {Erik} | - | - |
| 18.3 | [SP-160015](Docs\\SP-160015.zip" \t "_blank) | LS In | LS from SA WG3-LI: LS on GSM LI Specification Withdrawal | SA WG3-LI (S3i160061) |  |  | It was agreed to withdraw TR 41.033, TS 42.033 and TS 43.033 from Rel-13. MCC were asked to withdraw these from Rel-13 and to update the specifications list. Noted | Noted |
| 18.3 | [SP-160123](Docs\\SP-160123.zip" \t "_blank) | CR | 21.101 CR0076: Update to list of specs | MCC | Rel-11 | TEI11 | This CR was approved. | Approved |
| 18.3 | [SP-160124](Docs\\SP-160124.zip" \t "_blank) | CR | 21.101 CR0077: Update to list of specs | MCC | Rel-12 | TEI12 | This CR was approved. | Approved |
| 18.3 | [SP-160125](Docs\\SP-160125.zip" \t "_blank) | CR | 21.201 CR0016: Update to list of specs | MCC | Rel-11 | TEI11 | This CR was approved. | Approved |
| 18.3 | [SP-160126](Docs\\SP-160126.zip" \t "_blank) | CR | 21.201 CR0017: Update to list of specs | MCC | Rel-12 | TEI12 | This CR was approved. | Approved |
| 18.3 | [SP-160127](Docs\\SP-160127.zip" \t "_blank) | CR | 21.202 CR0017: Raise spec to Rel-12 | MCC | Rel-12 | TEI12 | This CR was approved. | Approved |
| 18.3 | [SP-160128](Docs\\SP-160128.zip" \t "_blank) | CR | 41.101 CR0056: Update to list of specs | MCC | Rel-11 | TEI11 | This CR was approved. | Approved |
| 18.3 | [SP-160129](Docs\\SP-160129.zip" \t "_blank) | CR | 41.101 CR0057: Update to list of specs | MCC | Rel-12 | TEI12 | This CR was approved. | Approved |
| 19 | - | - | Project Support | - | - | {Erik} | - | - |
| 19.1 | - | - | Improvements to working methods | - | - | {Erik} | - | - |
| 19.1 | [SP-160014](Docs\\SP-160014.zip" \t "_blank) | LS In | LS from SA WG3: SA3LI MCC Support | SA WG3 (S3-160235) |  |  | TSG SA endorsed this request and the LS was noted. The TSG SA Chairman agreed to include this request in his report to the PCG. Noted | Noted |
| 19.1 | [SP-160132](Docs\\SP-160132.zip" \t "_blank) | CR | 21.900 CR0049: Alignment for alignment CRs | MCC | Rel-14 | TEI14 | This was left for further consideration to clarify the use of categories in particular cases and this CR was postponed. | Postponed |
| 19.1 | [SP-160182](Docs\\SP-160182.zip" \t "_blank) | CR | 21.900 CR0050: Eliminate contents of Rel-11 and substitute with pointer to Rel-12 | MCC | Rel-11 | TEI11 | **LATE DOC**: Rx 05/03, 15:55. This CR was approved. | Approved |
| 19.1 | [SP-160183](Docs\\SP-160183.zip" \t "_blank) | CR | 21.900 CR0051: Eliminate contents of Rel-12 and substitute with pointer to Rel-13 | MCC | Rel-12 | TEI12 | **LATE DOC**: Rx 05/03, 15:55. This CR was approved. | Approved |
| 19.1 | [SP-160184](Docs\\SP-160184.zip" \t "_blank) | CR | 21.801 CR0041: Eliminate contents of Rel-12 and substitute with pointer to Rel-13 | MCC | Rel-12 | TEI12 | **LATE DOC**: Rx 05/03, 16:40. This CR was approved. | Approved |
| 19.1 | [SP-160185](Docs\\SP-160185.zip" \t "_blank) | CR | 21.801 CR0042: Formulation of conditional expressions | MCC | Rel-13 | TEI13 | **LATE DOC**: Rx 05/03, 16:30. This was not pursued. | Not pursued |
| 19.2 | - | - | MCC Status Report | - | - | {Erik} | - | - |
| 19.2 | [SP-160089](Docs\\SP-160089.zip" \t "_blank) | REPORT | Support Team report | MCC |  |  | Not Handled | - |

Created: 2016-03-21 15:30     **END OF LIST**

Total documents: **234**