**SA WG2 Meeting #137E (e-meeting) S2-2002313**

**Feb 24 - 27, 2020, Elbonia**

**SA2 #137E e-meeting**

**Deadlines for SA2#137E e-meeting are as follows:**

Docs request: 18 Feb 2020 (Tuesday) 2400 UTC

Docs submission: 18 Feb 2020 (Tuesday) 2400 UTC

Start of e-meeting: 24 Feb 2020 (Monday) 0000 UTC

Revisions by: 26 Feb 2020 (Wednesday) 1800 UTC

Final deadline: 27 Feb 2020 (Thursday) 1800 UTC

**NOTE: If needed, Final deadline may be extended at the discretion of the Chairman to resolve any conflicts.**

**E-meeting process (comparable to the e-mail approval process):**

1. SA2#137E will be electronic meeting. The meeting will be conducted by e-mail only, i.e. there will be no conference calls and no online collaboration meetings. All discussions will be public and conducted via the 3GPP\_TSG\_SA\_WG2@LIST.ETSI.ORG mailing list,. It is an ad-hoc meeting, so voting rights are not accrued (i.e. the meeting is not considered for the voting/proxy list).
2. Only tdocs requested and submitted via 3GU before the “Tdocs submission” deadline will be considered during the e-meeting. At this deadline 3GU closes and no further tdocs can be requested or submitted.
3. Tdoc numbers for mirror CRs should be requested and documents submitted by the “Tdocs submission” deadline. Revisions of mirror CRs should not be produced until the CR to the earliest release is Approved. New Tdoc numbers will be allocated to the approved revisions at the Final deadline. 24 hours grace period after Final deadline will be provided to the authors to upload/email final approved documents (along with any mirrors CRs, if applicable).
4. Any comments or revisions prior to the start of e-meeting will not be considered.
5. If the Technical Document (TDoc) is not available by “Docs submission” deadline, it will be marked as WITHDRAWN.
6. If there are no comments/objections on a document for approval by the “Revision by” deadline, it is APPROVED at that time.
7. Revisions may be proposed until the “Revision by” deadline. Comments in the email will not be automatically considered under revisions, so please provide revision document with your changes.
8. If there are no comments/objections on a certain revision by the “Final” deadline, it is APPROVED at the final deadline.
9. Any revision of the document can be approved as long as there are no objections. Having concerns/issues is not implicitly considered as an “objection”. Therefore, please phrase any potential objections clearly. Providing a revision is not implicitly considered as an “objection” to the older revision(s). Please explicitly state if you have an “objection” to a specific revision and/or if there is another (older) revision that you can “accept”.
10. Please clearly indicate **"[SA2#137E, AI#, S2-20xxxxx] <exact TDoc Title>"** in the e-mail subject line, when distributing the documents or commenting on the documents for the e-mail approval. Everything between the quotation marks shall be shown as e-mail subject, including the squared brackets. Don’t add any other info like the revision number to the e-mail subject.
    * + E-mail without the tag “[SA2#137E, AI#, S2-20xxxxx]” will NOT be considered as part of the email approval.
      + Please DO NOT make changes to the subject line of ongoing e-mails to avoid breaking an e-mail thread.
      + Email servers from some companies include new tags in the email subject e.g. “[External]” or other characters. This breaks email thread. Please try to avoid inserting unwanted tags in the email subject.
      + Please don’t forget to indicate Agenda Item number “AI#” according to the Agenda Items in the table below.
11. Information on 3GU upload/FTP server:
    * + SA2#137E e-meeting folder can be accessed at <https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_137e_Electronic> or <ftp://ftp.3gpp.org/tsg_sa/WG2_Arch/TSGS2_137e_Electronic/>.
      + Delegates will need to **log in** (using EOL account) to add files, anonymous access will allow download only.
      + Please DO NOT attach documents to you e-mails but upload them to the meetings folder on the 3GPP server (see below for more details on e-meeting folders). If you have problems uploading your documents, please send them to SA2 leadership (not whole SA2 list).
12. Folders for sharing documents and File naming convention:
    * + **Inbox** (<https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_137e_Electronic/Inbox>)
        - **Purpose**: To upload final approved documents with new tdoc#. After e-meeting FINAL deadline, all approved revisions will be assigned new tdoc# by the e-meeting conveners.
        - **File Naming Convention**: For Example - S2-20xxxxx.zip.
        - **File Format**: Files shall be in ZIP format.
        - **Rules**: Strict file naming convention shall be followed in this folder. Documents not adhering to the file naming convention will be discarded.
      + **Draft** (<https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_137e_Electronic/Inbox/Drafts>)
        - **Purpose**: To share any draft document prior to start of the e-meeting.
        - **File Naming Convention**: None but using “Draft\_” prefix to a filename is recommended.
        - **File Format**: Any.
        - **Rules**: Please don’t upload revisions in this folder during e-meeting. Any revisions shared in draft folder prior to e-meeting shall be provided again in the revisions folder at start of the e-meeting using appropriate file naming convention.
      + **Revisions** (<https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_137e_Electronic/Inbox/Revisions>)
        - **Purpose**: To share revisions during e-meeting.
        - **File Naming Convention**: Please use “r01”, “r02”, etc suffix for revision (not “R01”, not “rev1”). For Example - S2-20xxxxxr01.zip, S2-20xxxxxr02.zip, S2-20xxxxxr03.zip etc.

Revisions shall start from r01 and should be increment by 1. Please check for latest revision number before uploading your document as there may be clashes.

* + - * **File Format**: Files shall be in ZIP format.
      * **Rules**: Strict file naming convention shall be followed in this folder. Documents not adhering to the file naming convention will be discarded. Revisions will not be accepted before the start of the e-meeting.
    - **Chaimans\_Notes** (<https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_137e_Electronic/Inbox/Chairmans_Notes>)
      * **Purpose**: To share Chairman’s Notes.
      * **File Naming Convention**: ChairmansNotes\_<convener\_name>\_<timestamp/status>.doc. For Example – ChairmansNotes\_Puneet\_02-21-1234.doc, ChairmansNotes\_Puneet\_02-27-1234\_FINAL.doc etc.
      * **File Format**: MS Doc.
      * **Rules**: File naming convention shall be followed in this folder. This folder shall only be used by SA2 leadership.

**1. Agenda for SA2#137E**

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| --- | --- | --- |
| **AI#** | **Topic** | **E-meeting convener** |
| **1** | **Opening of the meeting 00:00 UTC on Monday** |  |
| **2** | **Agenda** | **Puneet** |
| **3** | **SA2#136AH Meeting report** | **Puneet** |
| **4** | **General** | **Puneet** |
| **4.1** | **Common issues and Incoming LSs** |  |
| **5** | **Pre-Rel-17 Maintenance (excluding all 5G topics)**  **NOTE: FASMO criterion will be strictly enforced.**  *(Please do not submit documents directly to this agenda item.)* | **Puneet** |
| **5.1** | **3GPP Packet Access Maintenance**  For corrections of any issues that relate to 3GPP access related aspects and for any work items from that area, like: SAE, CSFB, DÉCOR, MTC, CioT, CUPS, V2X, EDCE5, ProSe\_WLAN\_DD\_Stage2, PARLOS  And for maintenance of functionality introduced by TEIx CRs (x<17) in the area of 3GPP Access. Also alignment to past features (e.g. SAES) related to 3GPP access related aspects and alignment to diverse features specified by other working groups. |  |
| **5.2** | **QoS and PCC Maintenance**  For corrections of any issues that relate to QoS and PCC, including the policy related aspects of other Wis like from SAE, but also work items specific for that area like FMSS.  And for maintenance of functionality introduced by TEIx CRs (x<17) in the area of QoS and PCC. Also QoS and PCC related alignments to past features (e.g. SAES) and alignment to diverse features specified by other working groups. |  |
| **5.3** | **Non-3GPP Access Maintenance**  For corrections of any issues that relate to non-3GPP access related aspects and for any work items from that area, like: SEW1, VoWLAN.  And for maintenance of functionality introduced by TEIx CRs (x<17) in the area of non-3GPP Access. Also for alignment to non-3GPP aspects from past features (e.g. SAES) and for alignment to diverse features specified by other working groups, etc. |  |
| **5.4** | **IMS and IMS-Related Maintenance**  For corrections of any issues that are IMS-related and similar aspects and for any work items from that area, like: IMS, Emergency, PS\_data\_off.  And for maintenance of functionality introduced by TEIx CRs (x<17) in the area of IMS-related. Also for alignment to IMS-related and similar aspects from past features and for alignment to diverse features specified by other working groups, etc. |  |
| **6** | **Rel-15/Rel-16 Maintenance for 5G (only related to 5GS\_Ph1 Work Item)**  **NOTE: FASMO criterion will be strictly enforced.**  *(Please do not submit documents directly to this agenda item.)* | **Tao** |
| **6.1** | **General aspects, concepts and reference models**  High level function descriptions that don’t fit under any of the other, more specific agenda items. Reference models. |  |
| **6.2** | **Common Access Control, RM and CM functions and procedure flows**  Related high level function descriptions, registration management procedures and RM and CM state models as long as common for 3GPP and non3GPP accesses. Related services/service operations where the AMF is the “NF producer”. Including slice related aspects of AC, RM and CM. Any impacts from virtual environments that affect RM/CM.  Any 3GPP or non3GPP access specific aspects of states or registration management procedures are for 6.7 or 6.10 respectively. |  |
| **6.3** | **Session management and continuity functions and flows**  Related high level function descriptions. Perhaps state models. Related system procedure flows. Related services/service operations where the SMF is the “NF producer”. Including slice related aspects of SM. |  |
| **6.4** | **Security related functions and flows**  Related high level function descriptions. Related system procedure flows. Related service based procedures. |  |
| **6.5** | **QoS concept and functionality**  Related high level function descriptions. Related system procedure flows. Related service based procedures. Any QoS related aspects from specific services support. |  |
| **6.6** | **Policy and charging control**  Related high level function descriptions. Related system procedure flows. Related services/service operations where the PCF is the “NF producer”. |  |
| **6.7** | **3GPP access specific functionality and flows**  Related high level functions and procedures, including 3GGP access related specifics of RM and CM states and registration procedures. Related service based procedures, if primarily motivated by the procedures here. Also on radio and CN idle related aspects, i.e. including aspects of RRC\_inactive.  3GPP access specifics of RM and CM states. Registration area management and area restriction handling. 3GPP access specific aspects of the registration management procedure.  MICO, Handover procedures, Service Request procedures and related, including selective activation of UP connections  Service Request with impact on SMF/UPF like changing those NFs is considered under 6.3. |  |
| **6.8** | **Specific services support**  Any QoS related aspects from specific services support, like MPS, are handled under 6.5.  - NAS level procedures and functions that are needed to support or enable specific services, e.g. for carrying SMS.  All common NAS procedures/support for users like SM or SMS should be under 6.2. Here should be only users of common NAS, like SMS specific NAS or like NAS for Location Services. SM specific NAS is under 6.3.  - SMS, PWS, IMS or Location Services procedures and functions that are above or outside NAS. |  |
| **6.9** | **Interworking and Migration**  Related high level function descriptions. Related system procedure flows. Related service based procedures. |  |
| **6.10** | **Non-3GPP access specific functionality and flows**  Related high level function descriptions including non3GPP access related specifics of RM and CM states and registration procedures. Related system procedure flows. Related service based procedures. |  |
| **6.11** | **Framework functions**  Related high level function descriptions. Related system procedure flows. Related services/service operations for “NF producers” like NRF or UDM. Function/service registration, discovery, authorisation of usage, ... |  |
| **7** | **Rel-16 Maintenance for 5G (excluding 5GS\_Ph1)**  *(Please do not submit documents directly to this agenda item.)* | **Andy** |
| **7.1** | **Architecture enhancements for 3GPP support of advanced V2X services (eV2XARC)** |  |
| **7.2** | **Wireless and Wireline Convergence for the 5G system architecture (5WWC)** |  |
| **7.3** | **Access Traffic Steering, Switch and Splitting support in the 5G system architecture (ATSSS)** |  |
| **7.4** | **Cellular IoT support and evolution for the 5G System (5G\_CIoT)**  **+ RAN Rel-16 alignment – MT-EDT** |  |
| **7.5** | **Enablers for Network Automation for 5G (eNA)** | **Tao** |
| **7.6** | **Enhancement to the 5GC Location Services (5G\_eLCS)** | **Tao** |
| **7.7** | **5GS Enhanced support of Vertical and LAN Services (Vertical\_LAN)**  *(Please do not submit documents directly to this agenda item.)* | **Puneet** |
| **7.7.1** | **5GS Enhanced support of Vertical and LAN Services – 5G-LAN aspects** | **Puneet** |
| **7.7.2** | **5GS Enhanced support of Vertical and LAN Services – TSN aspects** | **Puneet** |
| **7.7.3** | **5GS Enhanced support of Vertical and LAN Services – Type a/b aspects** | **Puneet** |
| **7.8** | **Enhancements to the Service-Based 5G System Architecture (5G\_eSBA)** | **Tao** |
| **7.9** | **Architecture enhancements for the support of Integrated access and backhaul (IABARC)** |  |
| **7.10** | **Other Rel-16 WIDs**  *(Please do not submit documents directly to this agenda item.)* |  |
| **7.10.1** | **Enhancement of URLLC supporting in 5GC (5G\_URLLC)** |  |
| **7.10.2** | **Enhancement of Network Slicing (eNS)** |  |
| **7.10.3** | **Optimisations on UE radio capability signalling (RACS)** |  |
| **7.10.4** | **Enhanced IMS to 5GC Integration (eIMS5G\_SBA)** |  |
| **7.10.5** | **User Data Interworking and Coexistence (UDICoM)** |  |
| **7.10.6** | **Enhancing Topology of SMF and UPF in 5G Networks (ETSUN)** |  |
| **7.10.7** | **5GS Transfer of Policies for Background Data Transfer (xBDT)** |  |
| **7.10.8** | **Single radio voice continuity from 5GS to 3G (5G\_SRVCC)** |  |
| **9** | **Project Planning and Management**  *(Please do not submit documents directly to this agenda item.)* | **Puneet** |
| **9.1** | **New and Revised Work Items, Cover sheets for completed work items, TEI17 proposals**  Any TEI17 technical enhancements should be proposed under 9.1 with a brief justification/discussion paper, possibly together with related CRs. So that the group can discuss and decide whether and how to move forward with the proposed TEI17 items and consider what meeting time to allocate per accepted TEI17 item during the work planning session. |  |
| **9.2** | **Review of the Work Plan**  Any Rel-17 SID/WID status report |  |
| **9.3** | **Planning future meetings** |  |
| **11** | **Close of the Meeting 18:00 UTC on Thursday** |  |

**Additional Information:**

3GU (3GPP Ultimate) will be used for Tdoc # reservations and submission (<https://portal.3gpp.org>).

Please read introductory material kindly prepared by Maurice at: [S2-150746](http://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_108_Los_Cabos/Docs/S2-150746.zip) and by [3GPP](http://www.3gpp.org/FTP/webExtensions/3GU/3GU_instructions_for_delegates/ats-sld-00000.htm).

**Adopting a good practice with 3GU:**

Please remember to fill in all relevant fields for each document type when requesting a tdoc number.

Please take care to select the appropriate agenda item when requesting for a Tdoc number. Please avoid submitting to multiple agenda items.

Please include all Sources in the Source List field. If this list changes after having requested the tdoc number, please correct them in 3GU before uploading the tdoc.

If you are requesting a CR, remember to give also the relevant WI Code(s) as well as the Release,   
TS / TR number and Category.

If you are requesting a pCR, please fill in the TS/TR number - as well as the WI Code if it exists.

If you are requesting a TR or TR Cover sheet, please include the TS / TR number related to it.

Please do not use types you are not sure about (e.g. draftCR and response are only used by other WGs, we do not use these types in SA WG2; LS In is for MCC use).

Including all relevant information is a great help for meeting preparation for everyone and, in particular, for your management and support team.