**Third Generation Partnership Project (3GPP™)**

**

Meeting Report
for
TSG SA WG5
meeting: 94**

**Oranjestad, Aruba, 24/03/2014 to 28/03/2014**

Note: Hyperlinks to tdocs will work only if the present report is in a subdirectory named "report" and the tdocs themselves are in a parallel subdirectory names "docs".

**TABLE OF CONTENTS:**

[1 Opening of the meeting 3](#_Toc384390913)

[2 Approval of the agenda 3](#_Toc384390914)

[3 IPR declaration 3](#_Toc384390915)

[4 Meetings and activities reports 3](#_Toc384390916)

[4.1 Last SA5 meeting report 3](#_Toc384390917)

[4.2 Last SA meeting report 3](#_Toc384390918)

[4.3 Inter-organizational reports 4](#_Toc384390919)

[5 Cross-SWG issues 4](#_Toc384390920)

[5.1 Administrative issues at SA5 level 4](#_Toc384390921)

[5.2 Technical issues at SA5 level 6](#_Toc384390922)

[5.3 Liaison statements at SA5 level 6](#_Toc384390923)

[5.4 SA5 meeting calendar 7](#_Toc384390924)

[5.5 Review of the Work Plan 8](#_Toc384390925)

[6 OAM&P 9](#_Toc384390926)

[6.1 OAM&P Plenary 9](#_Toc384390927)

[6.2 New Work Item proposals - OAM&P & Converged Management 10](#_Toc384390928)

[6.3 Maintenance and Rel-12 small Enhancements - OAM&P & Converged Management 13](#_Toc384390929)

[6.4 OAM&P 12 Network Infrastructure Management 31](#_Toc384390930)

[6.4.1 Alarm quality improvements 31](#_Toc384390931)

[6.4.2 Radio Planning Tool interface 32](#_Toc384390932)

[6.5 OAM&P 12 Performance Management 34](#_Toc384390933)

[6.5.1 Network Management for 3GPP Interworking WLAN - PM part 34](#_Toc384390934)

[6.5.2 Energy Efficiency related Performance Measurements 34](#_Toc384390935)

[6.6 OAM&P 12 Self-Organizing Networks (SON) - OAM aspects 35](#_Toc384390936)

[6.6.1 TR Study on Enhanced Network Management (NM) centralized Coverage and Capacity Optimization 35](#_Toc384390937)

[6.6.2 Enhanced Network Management (NM) centralized Coverage and Capacity Optimization 36](#_Toc384390938)

[6.7 OAM&P 12 WLAN Management 36](#_Toc384390939)

[6.7.1 TR on WLAN impacts to Type-2 management interface to the 3GPP Network Manager 36](#_Toc384390940)

[6.7.2 WLAN Network Resource Model for Type-2 interface 39](#_Toc384390941)

[6.7.3 WLAN measurements defined in IEEE and IETF WLAN performance measurements for use on Type-2 interface 39](#_Toc384390942)

[6.8 OAM&P 12 Network Sharing 39](#_Toc384390943)

[6.8.1 OAM aspects of Network Sharing - Concepts and requirements (Stage 1) 40](#_Toc384390944)

[6.8.2 OAM aspects of Network Sharing - Stage 2/3 40](#_Toc384390945)

[6.9 OAM&P 13 Self-Organizing Networks (SON) - OAM aspects 40](#_Toc384390946)

[6.9.1 Enhanced Network Management (NM) centralized Coverage and Capacity Optimization 40](#_Toc384390947)

[6.10 OAM&P Studies 40](#_Toc384390948)

[6.10.1 Study on management of Heterogeneous Networks 40](#_Toc384390949)

[6.10.2 Study on Enhancements of OAM aspects of Distributed Mobility Load Balancing (MLB) SON function 42](#_Toc384390950)

[6.10.3 Study on Application and Partitioning of Itf-N 46](#_Toc384390951)

[7 Converged Management 46](#_Toc384390952)

[7.1 Converged Management Plenary 46](#_Toc384390953)

[7.2 OAM&P 12 Compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations 48](#_Toc384390954)

[7.2.1 TR on compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations 48](#_Toc384390955)

[7.2.2 TS work on Compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations 49](#_Toc384390956)

[7.3 OAM&P 12 Compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements 50](#_Toc384390957)

[7.3.1 TR on compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements 50](#_Toc384390958)

[7.3.2 Converged Management Model alignment Phase 2 51](#_Toc384390959)

[7.3.3 Converged Management PM Interface definitions 52](#_Toc384390960)

[8 Charging 52](#_Toc384390961)

[8.1 Charging Plenary 52](#_Toc384390962)

[8.2 New Charging Work Item proposals 55](#_Toc384390963)

[8.3 Charging Maintenance and Rel-12 small Enhancements 56](#_Toc384390964)

[8.4 Rel-12 Charging 65](#_Toc384390965)

[8.4.1 Charging per IP-Connectivity Access Network (IP-CAN) Session 65](#_Toc384390966)

[8.4.2 Charging using an Alternative Roaming Provider 65](#_Toc384390967)

[8.4.3 Charging for IMS centralized service (ICS) control (Stage 2/3) 68](#_Toc384390968)

[8.5 Application Based Charging 68](#_Toc384390969)

[8.5.1 Charging for Application Based Charging 68](#_Toc384390970)

[8.6 BB1: Policy and Charging Control for supporting traffic from fixed terminals and NSWO (Non Seamless WLAN Offload) traffic from 3GPP UEs in fixed broadband access networks 70](#_Toc384390971)

[8.6.1 Policy and Charging Enforcement Function (PCEF) based Charging for traffic from fixed terminals and NSWO traffic from 3GPP UEs in fixed broadband access networks 70](#_Toc384390972)

[8.6.2 Traffic Detection Function (TDF) based Charging for traffic from fixed terminals and NSWO traffic from 3GPP UEs in fixed broadband access networks 72](#_Toc384390973)

[9 Any Other Business 72](#_Toc384390974)

[10 Closing of the meeting 72](#_Toc384390975)

[Annex A: List of contribution documents 73](#_Toc384390976)

[Annex B: List of change requests 86](#_Toc384390977)

[Annex C: Lists of liaisons 94](#_Toc384390978)

[C1: Incoming liaison statements 94](#_Toc384390979)

[C2: Outgoing liaison statements 94](#_Toc384390980)

[Annex D: List of agreed/approved new and revised Work Items 95](#_Toc384390981)

[Annex E: List of action items 96](#_Toc384390982)

[Annex F: List of participants 97](#_Toc384390983)

[Annex G: List of future meetings 98](#_Toc384390984)

## 1 Opening of the meeting

## 2 Approval of the agenda

**S5-140400 Agenda** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **approved**.

## 3 IPR declaration

**S5-140439 IPR declaration** *Source: WG Chairman*

**Abstract:**

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**Discussion:**

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were 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 (http://www.etsi.org/WebSite/document/Legal/IPRforms.doc)

**Decision:** The document was **noted**.

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-140401 Report from last SA5 meeting** *Source: ETSI Secretariat*

**Abstract:**

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**Decision:** The document was **approved**.

### 4.2 Last SA meeting report

**S5-140402 SA5 status report at last SA meeting** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140403 SA5 results at last SA meeting** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

### 4.3 Inter-organizational reports

**S5-140522 SA5 presentation at NFV#5 meeting Feb 19th 2014** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140673 Report of methodology coordination meeting between SA5 and ITU-T SG2** *Source: WG Vice Chair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140687 Minutes from NGCOR implementation meeting March 18-19** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **withdrawn**.

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-140407 Leaders meeting agenda** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140408 Leaders meeting minutes** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140414 SA5 Working Procedures** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140415 SA5 Meeting Facility Requirements** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140416 Process for management of draft TSs/TRs** *Source: WG ViceChair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140417 CR Quality Check** *Source: ETSI Secretariat*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140513 List of Rapporteurs** *Source: ETSI Secretariat*

**Abstract:**

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**Decision:** The document was **revised to S5-140774**.

**S5-140774 List of Rapporteurs** *Source: ETSI Secretariat*

(Replaces S5-140513)

**Decision:** The document was **revised to S5-140759**.

**S5-140689 Guide of writing a spec for Rapporteurs** *Source: MCC*

**Decision:** The document was **noted**.

**S5-140729 Number of specs per Rapporteur list** *Source: MCC*

**Decision:** The document was **noted**.

**S5-140759 List of Rapporteurs** *Source: MCC*

(Replaces S5-140774)

**Decision:** The document was **noted**.

### 5.2 Technical issues at SA5 level

**S5-140688 Discussion the use of UML diagrams** *Source: MCC*

**ACTION: All companies to think about the options that ETSI offers for having editable UML diagrams
 (action on: All / due by: 2014-05-16)**

**Decision:** The document was **noted**.

### 5.3 Liaison statements at SA5 level

**S5-140639 Reply LS from RAN2 cc SA5 on system aspects for Small Cell Enhancement work in RAN** *Source: R2-140999*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140642 Reply LS from RAN3 cc SA5 on system aspects for Small Cell Enhancement work in RAN** *Source: R3-140486*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140652 LS from SA2 cc SA5 on system aspects for Small Cell Enhancement work in RAN** *Source: S2-140537*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140653 LS from SA2 cc SA5 on Maintenance of I-WLAN Solution** *Source: S2-140554*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140654 Reply LS from SA cc SA5 on Maintenance of I-WLAN Solution** *Source: SP-140149*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140655 LS from ITU JCA-SDN to SA5 on SDN standardization activity map** *Source: ITU JCA SDN*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140740 Status of email approvals** *Source: WG Chairman*

**Decision:** The document was **[not addressed]**.

### 5.4 SA5 meeting calendar

**S5-140413 SA5 Meeting Calendar** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

### 5.5 Review of the Work Plan

**S5-140418 Deliverables due for the NEXT SA Plenary** *Source: ETSI Secretariat*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140419 Rel-12 SA5 WIDs** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140420 SA5 3GPP Work Plan** *Source: ETSI Secretariat*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140440 Rel-13 SA5 WIDs** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140441 Work plan status after SA5#94** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **withdrawn**.

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-140404 Time Plan for OAM&P and Converged Management SWGs** *Source: WG Chairman*

**Abstract:**

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**Decision:** The document was **revised to S5-140722**.

**S5-140722 Time Plan for OAM&P and Converged Management SWGs** *Source: WG Chairman*

(Replaces S5-140404)

**Decision:** The document was **approved**.

**S5-140405 OAM Executive Report from THIS Meeting** *Source: OAM SWG Chair*

**Abstract:**

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**Discussion:**

Ericsson requested that the documents 785-787 should not be sent for email approval.

Cisco found Ericsson's statements for the documents very confusing.

Ericsson commented that there was an agreement on capturing certain decisions. We should capture the clear text, nothing ambiguous. Ericsson didn’t enter into any discussions for three meetings about the validity of the problem statements. Just capture them. Email approval is not the right place to discuss this. The problem statement needs to be discussed whether they are real or not. Now they have been captured and there is no possibility of discussing them.

The Chairman still didn't understand why it couldn't be sent to the email approval, although he understood the disagreement.

NSN commented that companies are invited to bring in contributions.

The Chairman proposed an email discussion on this WI that should be led by someone.

Ericsson clarified that they don’t object on having an email approval, but on the content of the contributions sent for email approval. There's a principle agreed during three meetings that is not followed in these contributions.

It was agreed to have the email approvals.

**Decision:** The document was **noted**.

**S5-140421 Minutes of OAM&P Plenary** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140567 OAM action list before the meeting** *Source: OAM SWG Chair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140568 OAM action list post the meeting** *Source: OAM SWG Chair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140569 OAM Timing Metrics at SA#94** *Source: OAM SWG Chair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140635 SID for Study on Management of Virtualized Network** *Source: China Mobile*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140735 IS-SS version link** *Source: WG Chairman*

**Decision:** The document was **noted**.

### 6.2 New Work Item proposals - OAM&P & Converged Management

**S5-140422 Minutes of New Work Item proposals - OAM&P & Converged Management** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **revised to S5-140772**.

**S5-140772 Minutes of New Work Item proposals - OAM&P & Converged Management** *Source: Rapporteur*

(Replaces S5-140422)

**Decision:** The document was **noted**.

**S5-140559 New WID Study on Management of Virtualized Network** *Source: Huawei Technologies*

**Abstract:**

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**Discussion:**

Merged with China Mobile's WID

**Decision:** The document was **revised to S5-140723**.

**S5-140723 New WID Study on Management of Virtualized Network** *Source: Huawei Technologies*

(Replaces S5-140559)

**Discussion:**

Huawei presented the latest drafts of the WID: d8 and d9 gathering the latest received comments.

Vodafone commented (by email as well) that they wanted to remove the ambiguities of the term "management of virtualised networks" since this could be interpreted beyond the scope of SA5. Vodafone objected the current status of the WID and desired to be removed from the supporting companies.

Huawei replied that this is a study item and that there will be plenty of opportunities to do this checking.

Vodafone commented that they wanted to postpone the approval of the WID in order to have more time to discuss it internally.

Deutsche Telekom supported Vodafone. They didn't wish to appear in the supporting companies list.

Ericsson commented that due to the numerous changes they would like to have more time to review them. They still support the WID but they want to make sure that the wording doesn't imply that there will be overlap with the work in ETSI NFV.

Huawei commented that most of the latest changes are editorial. The document is clear tin hat this is not going against the work in ETSI NFV. The current status describes very well the technical content. It is not possible to have a perfect description.

Ericsson insisted on having some more time and apologised for being late on their comments.

Orange agreed, they wanted to have more time to study the latest changes.

NEC strongly supported this activity, but the language needs to be carefully chosen. They said that they are not in the supporting list at the moment.

NSN fully supported work on this area, but they wanted to see a SI as open as possible, no premature conclusions or restrictive conclusions on the scope. NSN were not happy with the co-rapporteurship, one Rapporteur is enough. They also wanted to have more time to check.

The Chairman proposed to have an email approval.

Qualcomm gave its support to the WID.

TeliaSonera asked why we need full consensus here since there are only 4 companies needed to start the WID. Nobody has clearly objected to this WID.

The Chairman asked the delegates if there is any way to approve the text as it is now (draft 8) before email approval.

Deutsche Telekom objected to have it approved today.

Deutsche Telekom commented their worries about the two Rapporteurs in the WID, and they haven't seen the names of the people who will be on board.

The Chairman commented that China Mobile has committed to attend SA5.

Telecom Italia asked to be added to the list of supporting companies.

Vodafone objected to have the WID approved today.

Deutsche Telekom commented that there is no mention of the virtualization of the EMS in the document. Nothing on the exposure of the existing signalling interfaces either.

Huawei commented that there is no mention of this in any discussion within NFV. It could not be in the scope. About the interfaces, they can be studied afterwards. DT wanted it to have it explicitly mentioned.

Huawei will initiate the email approval of the WID.

**Decision:** The document was **left for email approval and noted**.

**S5-140625 SID for Study on Management of Virtualized Network** *Source: China Mobile*

**Abstract:**

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**Discussion:**

Merged with Huawei's WID

**Decision:** The document was **revised to S5-140723**.

**S5-140638 Reply LS from ETSI NFV to SA5 on Management of Virtualised Network** *Source: ETSI ISG NFV*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140720 LS from SA cc SA5 on 3GPP activities on Network Functions Virtualisation** *Source: SP-140160*

**Decision:** The document was **noted**.

**S5-140721 Summary of NFV/SDN discussions** *Source: SP-140147*

**Decision:** The document was **noted**.

### 6.3 Maintenance and Rel-12 small Enhancements - OAM&P & Converged Management

**S5-140423 Minutes of Maintenance and Rel-12 small Enhancements - OAM&P & Converged Management** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140442 Rel-5 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140443 Rel-6 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140444 Rel-8 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140445 Rel-9 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140446 Rel-10 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140447 Rel-11 CR 32.111-X (IS-SS relationship)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140448 Rel-10 CR 32.111-1 (Reference corrections)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140449 Rel-11 CR 32.111-1 (Reference corrections)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140450 Rel-12 CR 32.111-1 (Reference corrections)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140451 Rel-11 CR 32.624-5-6 (Reference corrections, etc.)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140452 Rel-11 CR 28.620 V11.0.0** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140453 Rel-11 CR 28.622-b01** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140454 Rel-11 CR 28.627-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140455 Rel-11 CR 28.628-b30** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140456 Rel-11 CR 28.629-b20** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140457 Rel-12 CR 28.606 upgrade XSD** 28.606 CR-0001 (Rel-12) v12.0.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140458 Rel-12 CR 28.616 upgrade XSD** 28.616 CR-0001 (Rel-12) v12.0.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140459 Rel-11 CR 28.623 upgrade XSD** 28.623 CR-0003 (Rel-11) v11.1.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **revised to S5-140724**.

**S5-140724 Rel-11 CR 28.623 upgrade XSD** 28.623 CR-0003 rev 1 (Rel-11) v11.1.0
 *Source: Ericsson/Huawei*

(Replaces S5-140459)

**Decision:** The document was **agreed**.

**S5-140460 Rel-11 CR 28.626 upgrade XSD** 28.626 CR-0001 (Rel-11) v11.0.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140461 Rel-11 CR 28.629 upgrade XSD** 28.629 CR-0004 (Rel-11) v11.2.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140462 Rel-11 CR 28.633 upgrade XSD** 28.633 CR-0001 (Rel-11) v11.0.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140463 Rel-11 CR 28.653 upgrade XSD** 28.653 CR-0003 (Rel-11) v11.2.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **revised to S5-140725**.

**S5-140725 Rel-11 CR 28.653 upgrade XSD** 28.653 CR-0003 rev 1 (Rel-11) v11.2.1
 *Source: Ericsson/Huawei*

(Replaces S5-140463)

**Decision:** The document was **agreed**.

**S5-140464 Rel-11 CR 28.656 upgrade XSD** 28.656 CR-0001 (Rel-11) v11.0.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140465 Rel-11 CR 28.659 upgrade XSD** 28.659 CR-0006 (Rel-11) v11.3.0
 *Source: Ericsson/Huawei*

**Abstract:**

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**Decision:** The document was **agreed**.

**S5-140466 Rel-11 CR 28.631-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140467 Rel-11 CR 28.632-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140468 Rel-11 CR 28.633-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140469 Rel-11 CR 32.690-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140470 Rel-11 CR 28.651-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140471 Rel-11 CR 28.652-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140472 Rel-11 CR 28.653-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140473 Rel-11 CR 28.654-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140474 Rel-11 CR 28.655-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140475 Rel-11 CR 28.656-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140476 Rel-11 CR 28.657-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140477 Rel-11 CR 28.658-b30** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140478 Rel-11 CR 28.659-b30** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140479 Rel-11 CR 28.661-b10** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140480 Rel-11 CR 28.662-b10** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140481 Rel-11 CR 28.663-b10** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140482 Rel-11 CR 28.671-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140483 Rel-11 CR 28.672-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140484 Rel-11 CR 28.673-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140485 Rel-11 CR 28.674-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140486 Rel-11 CR 28.675-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140487 Rel-11 CR 28.676-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140488 Rel-11 CR 28.701-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140489 Rel-11 CR 28.702-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140490 Rel-11 CR 28.703-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140491 Rel-11 CR 28.704-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140492 Rel-11 CR 28.705-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140493 Rel-11 CR 28.706-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140494 Rel-11 CR 28.707-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140495 Rel-11 CR 28.708-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140496 Rel-8 CR 32.752-820 (same problem as 28.708 - Ref [15] TR 32.816-160)** *Source: MCC (az/QC)*

**Abstract:**

-

**Decision:** The document was **postponed**.

**S5-140497 Rel-9 CR 32.752-930 (same problem as 28.708 - Ref [15] TR 32.816-160)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140498 Rel-10 CR 32.752-a20 (same problem as 28.708 - Ref [15] TR 32.816-160)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140499 Rel-11 CR 32.752-b01 (same problem as 28.708 - Ref [15] TR 32.816-160)** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140500 Rel-11 CR 28.709-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140501 Rel-11 P-CR 28.731-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140502 Rel-11 P-CR 28.732-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140503 Rel-11 P-CR 28.733-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140504 Rel-11 P-CR 28.734-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140505 Rel-11 P-CR 28.735-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140506 Rel-11 P-CR 28.736-b00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140507 Rel-11 P-CR 28.751-b01** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140508 Rel-11 P-CR 28.752-b01** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140509 Rel-11 P-CR 28.753-b01** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140510 Rel-11 P-CR 32107-b02** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140511 Rel-11 P-CR 32156-b10** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140512 Rel-11 P-CR 32157-b30** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140514 Rel-12 P-CR 28.390-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **[postponed**.

**S5-140515 Rel-12 P-CR 28.601-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140516 Rel-12 P-CR 28.602-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140517 Rel-12 P-CR 28.606-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140518 Rel-12 P-CR 28.611-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140519 Rel-12 P-CR 28.612-c00** *Source: MCC (az/QC)*

**Abstract:**

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**Decision:** The document was **postponed**.

**S5-140520 Rel-12 P-CR 28.616-c00** *Source: MCC (az/QC)*

**Abstract:**

-

**Decision:** The document was **postponed**.

**S5-140540 Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications** 32.422 CR-0263 (Rel-11) v11.9.0
 *Source: NSN*

**Abstract:**

-

**Decision:** The document was **revised to S5-140726**.

**S5-140726 Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications** 32.422 CR-0263 rev 1 (Rel-11) v11.9.0
 *Source: NSN*

(Replaces S5-140540)

**Decision:** The document was **agreed**.

**S5-140541 Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications** 32.422 CR-0264 (Rel-12) v12.1.0
 *Source: NSN*

**Abstract:**

-

**Decision:** The document was **revised to S5-140727**.

**S5-140727 Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications** 32.422 CR-0264 rev 1 (Rel-12) v12.1.0
 *Source: NSN*

(Replaces S5-140541)

**Decision:** The document was **agreed**.

**S5-140571 Discussion paper on real TA size KPI** *Source: NSN*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140572 CR R12 32.451 Add real TA size monitoring KPI requirements** 32.451 CR-0002 (Rel-12) v11.0.0
 *Source: NSN*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140573 CR R12 32.450 Add real TA size monitoring KPI** 32.450 CR-0014 (Rel-12) v11.0.0
 *Source: NSN*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140580 Rel 12 CR 32593 Fix incorrect references to section numbers** 32.593 CR-0010 (Rel-12) v11.0.0
 *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **revised to S5-140728**.

**S5-140728 Rel 12 CR 32593 Fix incorrect references to section numbers** 32.593 CR-0010 rev 1 (Rel-12) v11.0.0
 *Source: Alcatel-Lucent*

(Replaces S5-140580)

**Decision:** The document was **agreed**.

**S5-140584 Rel-11 CR 28.663 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.663 CR-0002 (Rel-11) v11.1.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140585 Rel-11 CR 28.673 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.673 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140586 Rel-11 CR 28.676 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.676 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140587 Rel-11 CR 28.703 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.703 CR-0002 (Rel-11) v11.1.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140588 Rel-11 CR 28.706 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.706 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140589 Rel-11 CR 28.709 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.709 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140590 Rel-11 CR 28.733 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.733 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140591 Rel-11 CR 28.736 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.736 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140592 Rel-11 CR 28.753 Upgrade W3C XML Schema version from 1.0 to 1.1** 28.753 CR-0001 (Rel-11) v11.0.0
 *Source: Huawei, Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140604 Rel-11 CR 28.625 Add definition of NULL for proceduralStatus** 28.625 CR-0001 (Rel-11) v11.0.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140607 Rel-11 CR 28.622 Correction of reference** 28.622 CR-0001 (Rel-11) v11.0.1
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140610 CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification** 28.659 CR-0007 (Rel-11) v11.3.0
 *Source: ZTE*

**Abstract:**

-

**Decision:** The document was **revised to S5-140731**.

**S5-140731 CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification** 28.659 CR-0007 rev 1 (Rel-11) v11.3.0
 *Source: ZTE*

(Replaces S5-140610)

**Decision:** The document was **agreed**.

**S5-140611 CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification** 32.766 CR-0063 (Rel-10) v10.8.0
 *Source: ZTE*

**Abstract:**

-

**Decision:** The document was **revised to S5-140732**.

**S5-140732 CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification** 32.766 CR-0063 rev 1 (Rel-10) v10.8.0
 *Source: ZTE*

(Replaces S5-140611)

**Decision:** The document was **agreed**.

**S5-140612 CR R11 32.766 Add the missing attribute cellResvInfo in IDL specification** 32.766 CR-0064 (Rel-11) v11.8.0
 *Source: ZTE*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140657 Rel-11 CR 28.652 Align operationalState definitions** 28.652 CR-0003 (Rel-11) v11.1.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140733**.

**S5-140733 Rel-11 CR 28.652 Align operationalState definitions** 28.652 CR-0003 rev 1 (Rel-11) v11.2.0
 *Source: Ericsson*

(Replaces S5-140657)

**Decision:** The document was **agreed**.

### 6.4 OAM&P 12 Network Infrastructure Management

#### 6.4.1 Alarm quality improvements

**S5-140437 Minutes for Alarm Quality Improvements** *Source: Rapporteur*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140660 Proposals from Study on Alarm Management** TS32.111\* v..
 *Source: TeliaSonera*

**Abstract:**

Proposals and recommendations from the study on Alarm Management

**Discussion:**

The group endorsed the proposals described on the discussion paper.

**Decision:** The document was **noted**.

**S5-140661 pCR for Super CR on 32.111-1 Event definition** TR32.111-1 v..
 *Source: TeliaSonera*

**Decision:** The document was **revised to S5-140734**.

**S5-140734 pCR for Super CR on 32.111-1 Event definition** TR32.111-1 v..
 *Source: TeliaSonera*

(Replaces S5-140661)

**Decision:** The document was **revised to S5-140778**.

**S5-140778 pCR for Super CR on 32.111-1 Event definition** TR32.111-1 v..
 *Source: TeliaSonera*

(Replaces S5-140734)

**Decision:** The document was **approved**.

**S5-140662 pCR for Super CR on 32111-1 Alarm definition** TS32.111-1 v..
 *Source: TeliaSonera*

**Decision:** The document was **noted**.

**S5-140795 Super CR for 32.111-1** *Source: TeliaSonera*

**Decision:** The document was **left for email approval and approved**.

#### 6.4.2 Radio Planning Tool interface

**S5-140428 Minutes for Radio Planning Tool Interface** *Source: Rapporteur*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140629 RPT interface - Update of the Management Reference Model** *Source: NSN*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140632 Draft TS 26.667: RPT interface NRM: Requirements** *Source: NSN*

**Abstract:**

* Skeleton

**Decision:** The document was **revised to S5-140736**.

**S5-140736 Draft TS 28.667: RPT interface NRM: Requirements** *Source: NSN*

(Replaces S5-140632)

**Abstract:**

* Skeleton

**Decision:** The document was **left for email approval and approved**.

**S5-140633 Draft TS 28.668: RPT interface NRM: Information Service (IS)** *Source: NSN*

**Abstract:**

* Skeleton

**Decision:** The document was **revised to S5-140737**.

**S5-140737 Draft TS 28.668: RPT interface NRM: Information Service (IS)** *Source: NSN*

(Replaces S5-140633)

**Abstract:**

* Skeleton

**Decision:** The document was **left for email approval and approved**.

**S5-140797 pCR TS 26.667: RPT interface NRM: Requirements** *Source: NSN*

**Decision:** The document was **left for email approval and approved**.

**S5-140798 pCR TS 28.668: RPT interface NRM: Information Service (IS)** *Source: NSN*

**Decision:** The document was **left for email approval and noted**.

### 6.5 OAM&P 12 Performance Management

#### 6.5.1 Network Management for 3GPP Interworking WLAN - PM part

**S5-140425 Minutes for Network Management for 3GPP Interworking WLAN - PM part** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **withdrawn**.

#### 6.5.2 Energy Efficiency related Performance Measurements

**S5-140426 Minutes for Energy Efficiency related Performance Measurements** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140570 CR R12 32.425 Add usage of measurements for EE** 32.425 CR-0148 (Rel-12) v12.0.0
 *Source: NSN*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140576 Resubmitted LS ETSI EE to SA5 on Cooperation for Energy Efficiency Measurements** *Source: ETSI EE*

**Abstract:**

-

**Decision:** The document was **postponed**.

### 6.6 OAM&P 12 Self-Organizing Networks (SON) - OAM aspects

**S5-140641 LS from RAN3 to SA5 on Rel.11 SON enhancements** *Source: R3-140464*

**Abstract:**

-

**Decision:** The document was **postponed**.

#### 6.6.1 TR Study on Enhanced Network Management (NM) centralized Coverage and Capacity Optimization

**S5-140427 Minutes for Enhanced NM Centralised Coverage and Capacity Optimisation** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140621 pCR to TR 32.836 Use Case 6 Capacity Optimization** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140646 R12 Tdoc Cell coverage adapting to traffic demand use case recommendation** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140648 R12 pCR 32.836-130 CCO bin evaluation** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140738**.

**S5-140738 R12 pCR 32.836-130 CCO bin evaluation** *Source: Ericsson*

(Replaces S5-140648)

**Decision:** The document was **approved**.

**S5-140656 Discussion paper of NM CCO monitoring** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140784 Draft TR CCO** *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

#### 6.6.2 Enhanced Network Management (NM) centralized Coverage and Capacity Optimization

### 6.7 OAM&P 12 WLAN Management

**S5-140429 Minutes for OAM&P 12 WLAN Management** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

#### 6.7.1 TR on WLAN impacts to Type-2 management interface to the 3GPP Network Manager

**S5-140533 pCR Performance measurements handling** *Source: Intel*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140534 pCR WLAN\_OAM study conclusion** *Source: Intel*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140535 Discussion paper of WLAN alarm** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **withdrawn**.

**S5-140537 pCR on 28.680 WLAN requirement** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **withdrawn**.

**S5-140562 pCR Performance measurements handling** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **revised to S5-140739**.

**S5-140739 pCR Performance measurements handling** *Source: Intel*

(Replaces S5-140562)

**Decision:** The document was **revised to S5-140791**.

**S5-140791 pCR Performance measurements handling** *Source: Intel*

(Replaces S5-140739)

**Decision:** The document was **left for email approval and approved**.

**S5-140563 Discussion paper of WLAN alarm notification** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140564 pCR WLAN\_OAM study conclusion** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **revised to S5-140742**.

**S5-140742 pCR WLAN\_OAM study conclusion** *Source: Intel*

(Replaces S5-140564)

**Decision:** The document was **revised to S5-140781**.

**S5-140781 pCR WLAN\_OAM study conclusion** *Source: Intel*

(Replaces S5-140742)

**Decision:** The document was **revised to S5-140793**.

**S5-140793 pCR WLAN\_OAM study conclusion** *Source: Intel*

(Replaces S5-140781)

**Decision:** The document was **left for email approval and approved**.

**S5-140741 pCR WLAN alarm notification** *Source: Intel*

**Decision:** The document was **revised to S5-140780**.

**S5-140780 pCR WLAN alarm notification** *Source: Intel*

(Replaces S5-140741)

**Decision:** The document was **revised to S5-140792**.

**S5-140792 pCR WLAN alarm notification** *Source: Intel*

(Replaces S5-140780)

**Decision:** The document was **left for email approval and approved**.

**S5-140794 Draft TR WLAN** *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

#### 6.7.2 WLAN Network Resource Model for Type-2 interface

**S5-140536 pCR on 28.403 WLAN PM Measurements** *Source: Intel*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140565 pCR on 28.680 WLAN requirement** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **noted**.

#### 6.7.3 WLAN measurements defined in IEEE and IETF WLAN performance measurements for use on Type-2 interface

**S5-140566 pCR on 28.403 WLAN PM Measurements** *Source: Intel*

**Abstract:**

-

**Decision:** The document was **noted**.

### 6.8 OAM&P 12 Network Sharing

**S5-140438 Minutes for Network Sharing** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140628 R12 Tdoc Way forward for changing existing specifications for Network Sharing** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

#### 6.8.1 OAM aspects of Network Sharing - Concepts and requirements (Stage 1)

**S5-140527 pCR 32.130 Business level requirements and high-level use cases** *Source: Orange*

**Abstract:**

-

**Decision:** The document was **noted**.

#### 6.8.2 OAM aspects of Network Sharing - Stage 2/3

**S5-140531 CR 28657 Add requirement for the management of shared E-UTRAN** 28.657 CR-0001 (Rel-12) v11.0.0
 *Source: Orange*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140532 CR 28658 Introduce information in IS to support E-UTRAN sharing** 28.658 CR-0007 (Rel-12) v11.3.0
 *Source: Orange*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140627 R12 CR 32.421 Introducing requirements for Network Sharing** 32.421 CR-0072 (Rel-12) v11.6.0
 *Source: Ericsson, TeliaSonera*

**Abstract:**

-

**Decision:** The document was **noted**.

### 6.9 OAM&P 13 Self-Organizing Networks (SON) - OAM aspects

#### 6.9.1 Enhanced Network Management (NM) centralized Coverage and Capacity Optimization

### 6.10 OAM&P Studies

#### 6.10.1 Study on management of Heterogeneous Networks

**S5-140430 Minutes for Study on management of Heterogeneous Networks** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140581 pCR 32.835 Editorial changes** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140763**.

**S5-140763 pCR 32.835 Editorial changes** *Source: Huawei*

(Replaces S5-140581)

**Decision:** The document was **approved**.

**S5-140582 pCR 32.835 Policy-based management changes** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140764**.

**S5-140764 pCR 32.835 Policy-based management changes** *Source: Huawei*

(Replaces S5-140582)

**Decision:** The document was **noted**.

**S5-140583 pCR 32.835 Add hetnet deployment scenarios** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140630 pCR TR 32.835 Reduction of PM data** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140765**.

**S5-140765 pCR TR 32.835 Reduction of PM data** *Source: Ericsson*

(Replaces S5-140630)

**Decision:** The document was **revised to S5-140782**.

**S5-140782 pCR TR 32.835 Reduction of PM data** *Source: Ericsson*

(Replaces S5-140765)

**Decision:** The document was **left for email approval and approved**.

**S5-140631 pCR TR 32.835 Clarification of PM trend reporting** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140775**.

**S5-140775 pCR TR 32.835 Clarification of PM trend reporting** *Source: Ericsson*

(Replaces S5-140631)

**Decision:** The document was **approved**.

**S5-140783 Draft TR 32.835** *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

#### 6.10.2 Study on Enhancements of OAM aspects of Distributed Mobility Load Balancing (MLB) SON function

**S5-140431 Minutes for Study on Enhancements of OAM aspects of Distributed Mobility Load Balancing (MLB) SON function** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140613 pCR to TR 32.860 MLB parameters alignment** *Source: Cisco*

**Abstract:**

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**Decision:** The document was **revised to S5-140771**.

**S5-140771 pCR to TR 32.860 MLB parameters alignment** *Source: Cisco*

(Replaces S5-140613)

**Decision:** The document was **revised to S5-140785**.

**S5-140785 pCR to TR 32.860 MLB parameters alignment** *Source: Cisco*

(Replaces S5-140771)

**Decision:** The document was **left for email approval and noted**.

**S5-140614 pCR to TR 32.860 MLB parameters alignment part 2** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **revised to S5-140770**.

**S5-140770 pCR to TR 32.860 MLB parameters alignment part 2** *Source: Cisco*

(Replaces S5-140614)

**Decision:** The document was **noted**.

**S5-140615 pCR to TR 32.860 Additional load information for MLB** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **revised to S5-140766**.

**S5-140766 pCR to TR 32.860 Additional load information for MLB** *Source: Cisco*

(Replaces S5-140615)

**Decision:** The document was **revised to S5-140786**.

**S5-140786 pCR to TR 32.860 Additional load information for MLB** *Source: Cisco*

(Replaces S5-140766)

**Decision:** The document was **left for email approval and noted**.

**S5-140616 pCR to TR 32.860 Load indicators based on Composite Available Capacity (CAC)** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140617 pCR to TR 32.860 Definition of the Cell Capacity Class Value** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140618 pCR on TR 32.860-020 on MLB algorithms misalignment PS** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140619 pCR on TR 32.860-020 on non-uniform load distribution PS** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140767**.

**S5-140767 pCR on TR 32.860-020 on non-uniform load distribution PS** *Source: Ericsson*

(Replaces S5-140619)

**Decision:** The document was **revised to S5-140787**.

**S5-140787 pCR on TR 32.860-020 on non-uniform load distribution PS** *Source: Ericsson*

(Replaces S5-140767)

**Decision:** The document was **left for email approval and noted**.

**S5-140620 pCR on TR 32.860-020 problems modifying D-MLB decision by NM** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140658 pCR to TR 32.860 v0.2.0: Editorial changes** *Source: NEC, Cisco*

**Abstract:**

-

**Decision:** The document was **revised to S5-140769**.

**S5-140769 pCR to TR 32.860 v0.2.0: Editorial changes** *Source: NEC, Cisco*

(Replaces S5-140658)

**Decision:** The document was **approved**.

**S5-140659 pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue** *Source: NEC*

**Abstract:**

-

**Decision:** The document was **revised to S5-140768**.

**S5-140768 pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue** *Source: NEC*

(Replaces S5-140659)

**Decision:** The document was **revised to S5-140789**.

**S5-140789 pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue** *Source: NEC*

(Replaces S5-140768)

**Decision:** The document was **left for email approval and noted**.

**S5-140790 Draft TR 32.860** 32.860 v..
 *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

#### 6.10.3 Study on Application and Partitioning of Itf-N

**S5-140436 Minutes for Study on Application and Partitioning of Itf-N** *Source: Rapporteur*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140574 pCR on concepts and architectures of TR32.861** *Source: China Mobile*

**Abstract:**

-

**Decision:** The document was **noted**.

## 7 Converged Management

### 7.1 Converged Management Plenary

**S5-140406 Converged Management Executive report from THIS meeting** *Source: Converged Management SWG Chair*

**Abstract:**

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**Decision:** The document was **revised to S5-140758**.

**S5-140424 Minutes of Converged Management Plenary** *Source: SWG Chairman*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140524 AI 84.1 on vsDataContainer self name-containment** *Source: Orange*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140525 AI 87.2 on type of attributes latitude and longitude in TS 28.655** *Source: Orange*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140575 Re-submitted LS from NGMN Project NGCOR to SA5 on Publication of Deliverables** *Source: NGMN NGCOR*

**Abstract:**

-

**Discussion:**

It will be treated in the SA5#94bis meeting

**Decision:** The document was **postponed**.

**S5-140674 Open Action Items for Converged Management SWG** *Source: CMAN SWG chair*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140730 Converged Management Action list** *Source: Ericsson*

**Decision:** The document was **revised to S5-140779**.

**S5-140779 Converged Management Action list** *Source: Ericsson*

(Replaces S5-140730)

**Decision:** The document was **noted**.

**S5-140758 Converged Management Executive report from THIS meeting** *Source: Converged Management SWG Chair*

(Replaces S5-140406)

**Decision:** The document was **noted**.

### 7.2 OAM&P 12 Compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations

**S5-140432 Minutes for compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations** *Source: Rapporteur*

**Abstract:**

-

**Decision:** The document was **noted**.

#### 7.2.1 TR on compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations

**S5-140622 pCR to TR 32.838 Northbound Interface for SON related parameters** *Source: Cisco*

**Abstract:**

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**Decision:** The document was **revised to S5-140773**.

**S5-140773 pCR to TR 32.838 Northbound Interface for SON related parameters** *Source: Cisco*

(Replaces S5-140622)

**Decision:** The document was **approved**.

**S5-140623 pCR to TR 32.838 Northbound Interface for SON related parameters, part 2** *Source: Cisco*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140624 pCR to TR 32.838 SON controlled implementation eICIC ABS patterns** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **revised to S5-140776**.

**S5-140776 pCR to TR 32.838 SON controlled implementation eICIC ABS patterns** *Source: Cisco*

(Replaces S5-140624)

**Decision:** The document was **revised to S5-140796**.

**S5-140796 pCR to TR 32.838 SON controlled implementation eICIC ABS patterns** *Source: Cisco*

(Replaces S5-140776)

**Decision:** The document was **revised to S5-140748**.

**S5-140626 pCR to TR 32.838 SON controlled implementation eICIC ABS patterns part 2** *Source: Cisco*

**Abstract:**

-

**Decision:** The document was **revised to S5-140776**.

**S5-140748 pCR to TR 32.838 SON controlled implementation eICIC ABS patterns** *Source: Cisco*

(Replaces S5-140796)

**Abstract:**

-

**Decision:** The document was **approved**.

#### 7.2.2 TS work on Compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations

**S5-140593 Clarification on the relation between RRC connection re-establishment measurement and HO optimization** *Source: Huawei*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140594 Enhancements for HO optimization performance evaluation** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140756 New draft 32.838** 32.838 v..
 *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

### 7.3 OAM&P 12 Compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements

#### 7.3.1 TR on compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements

**S5-140433 Minutes for TR on compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements** *Source: Rapporteur*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140526 Proposal for re-formatting TR 32.837** *Source: Orange*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140595 Update of WID Compliance to NGMN NGCOR Requirements** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140777**.

**S5-140777 Update of WID Compliance to NGMN NGCOR Requirements** *Source: Huawei*

(Replaces S5-140595)

**Decision:** The document was **agreed**.

**S5-140596 pCR Add introduction section to TR 32.837** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **approved**.

**S5-140788 Draft TR 32.837** 32.837 v..
 *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

#### 7.3.2 Converged Management Model alignment Phase 2

**S5-140434 Minutes for Converged Management Model alignment Phase 2** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140663 UOM Version 5.2 draft** *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140664 Model Repertoire V5.3 Draft** *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **withdrawn**.

**S5-140685 Converged Management UOM 5.2 draft v1** *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140686 Converged Management Model Repertoire 5.3 draft v1** *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **noted**.

#### 7.3.3 Converged Management PM Interface definitions

**S5-140435 Minutes for Converged Management PM Interface definitions** *Source: Rapporteur*

**Abstract:**

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**Decision:** The document was **withdrawn**.

## 8 Charging

### 8.1 Charging Plenary

**S5-140409 CH Agenda and Time Plan** *Source: CH SWG Chair*

**Abstract:**

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**Decision:** The document was **revised to S5-140690**.

**S5-140410 CH Detailed Report from LAST Meeting** *Source: CH SWG Chair*

**Abstract:**

-

**Decision:** The document was **approved**.

**S5-140411 CH Executive Report from THIS Meeting** *Source: CH SWG Chair*

**Abstract:**

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**Decision:** The document was **revised to S5-140757**.

**S5-140412 CH Detailed Report from THIS Meeting** *Source: CH SWG Chair*

**Abstract:**

-

**Decision:** The document was **[not addressed]**.

**S5-140578 LS from CT1 to SA5 on IOI in MESSAGE with SRVCC information** *Source: C1-140720*

**Abstract:**

-

**Decision:** The document was **replied to in S5-140691**.

**S5-140605 LSout SA2 Reply LS on ProSe Charging** *Source: Qualcomm Incorporated*

**Abstract:**

Draft LS response to SA2 on ProSe Charging

**Decision:** The document was **noted**.

**S5-140634 LS to 3GPP SA2 and SA5 on IMS (VoLTE/RCS) Roaming** *Source: GSMA RCPG*

**Abstract:**

-

**Decision:** The document was **replied to in S5-140684**.

**S5-140637 LS from CT4 to SA5 on the IETF Diameter overload solution** *Source: C4-140420*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140640 Reply LS from RAN3 cc SA5 on ULI reporting enhancements** *Source: R3-140376*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140643 LS from SA1 to SA5 on ECT Assured Transfer description in MMTel** *Source: S1-140291*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140650 LS from SA2 to SA5 on Gy interface for EPC Roaming LBO scenario** *Source: S2-140472*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140651 LS from SA2 to SA5 on ProSe charging** *Source: S2-140519*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140675 DP on Security aspect of Gy Reference Point in inter-PLMN scenario** *Source: Alcatel-Lucent*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140676 LS to GSMA IREG on security aspects for Gy interfaces in EPC Roaming LBO scenario** *Source: Alcatel-Lucent*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140684 LSout RCPG LS on IMS (VoLTE/RCS) Roaming** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140692**.

**S5-140690 CH Agenda and Time Plan** *Source: CH SWG Chair*

(Replaces S5-140409)

**Decision:** The document was **agreed**.

**S5-140691 Reply LS to CT1 on IOI in MESSAGE with SRVCC information** *Source: Ericsson*

**Decision:** The document was **approved**.

**S5-140692 LSout RCPG LS on IMS (VoLTE/RCS) Roaming** *Source: Ericsson*

(Replaces S5-140684)

**Decision:** The document was **approved**.

**S5-140757 CH Executive Report from THIS Meeting** *Source: CH SWG Chair*

(Replaces S5-140411)

**Decision:** The document was **noted**.

### 8.2 New Charging Work Item proposals

**S5-140603 WID for Proximity-based Services Charging aspects** *Source: Qualcomm Incorporated*

**Abstract:**

-

**Decision:** The document was **revised to S5-140694**.

**S5-140606 Discussion Paper for WID ProSe Charging Aspects** *Source: Qualcomm Incorporated*

**Abstract:**

This discussion paper provides information related to the proposed WID on ProSe Charging Aspects.

**Decision:** The document was **noted**.

**S5-140672 New Work Item with Study phase on Inter-PLMN Gy Reference Point** *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **revised to S5-140693**.

**S5-140693 New Work Item with Study phase on Inter-PLMN Gy Reference Point** *Source: Alcatel-Lucent*

(Replaces S5-140672)

**Decision:** The document was **agreed**.

**S5-140694 WID for Proximity-based Services Charging aspects** *Source: Qualcomm Incorporated*

(Replaces S5-140603)

**Decision:** The document was **revised to S5-140755**.

**S5-140755 WID for Proximity-based Services Charging aspects** *Source: Qualcomm Incorporated*

(Replaces S5-140694)

**Decision:** The document was **agreed**.

### 8.3 Charging Maintenance and Rel-12 small Enhancements

**S5-140542 DP Use of Inter Operator Identifiers with Application Servers** *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140543 LSout CT1 LS on Clarification of transit IOI exchange over ISC interface** *Source: Ericson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140544 Rel-11 CR 32.240 Clarification on transit IOI exchange over ISC interface** 32.240 CR-0372 (Rel-11) v11.6.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140545 Rel-12 CR 32.240 Clarification on transit IOI exchange over ISC interface** 32.240 CR-0373 (Rel-12) v12.3.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140546 Rel-11 CR 32.260 Remote Transit IOI List from IMS online charging interface** 32.260 CR-0249 (Rel-11) v11.11.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140547 Rel-12 CR 32.260 Remove Transit IOI List from IMS online charging inferface** 32.260 CR-0250 (Rel-12) v12.3.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **noted**.

**S5-140548 DP External charging identifier in PS domain charging** *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140549 Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0366 (Rel-8) v8.15.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140712**.

**S5-140550 Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0367 (Rel-9) v9.11.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140713**.

**S5-140551 Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0368 (Rel-10) v10.13.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140714**.

**S5-140552 Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0369 (Rel-11) v11.9.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140715**.

**S5-140715 Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0369 rev 1 (Rel-11) v11.9.0
 *Source: Ericsson*

(Replaces S5-140552)

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140553 Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0370 (Rel-12) v12.5.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140716**.

**S5-140554 Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0446 (Rel-8) v8.19.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140717**.

**S5-140555 Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0447 (Rel-9) v9.17.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140718**.

**S5-140556 Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0448 (Rel-10) v10.14.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140719**.

**S5-140557 Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0449 (Rel-11) v11.9.0
 *Source: Ericsson*

**Abstract:**

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**Decision:** The document was **revised to S5-140743**.

**S5-140558 Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0450 (Rel-12) v12.3.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140744**.

**S5-140561 Rel-12 CR 32.299 Remove clause 6.3 Editor's Notes** 32.299 CR-0582 rev 1 (Rel-12) v12.4.0
 *Source: Ericsson*

**Abstract:**

Revision of CR 0582 postponed from SA5#93.

**Decision:** The document was **agreed**.

**S5-140577 Resubmitted LS from CT1 to SA5 on transit IOI exchange over ISC interface** *Source: C1-131748*

**Abstract:**

-

**Decision:** The document was **postponed**.

**S5-140609 Rel-12 CR 32.251 Remove clause 6.3.1.2 Editor's Notes and clause 6.3.1 Hanging Paragraphs** 32.251 CR-0371 (Rel-12) v12.5.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140636 Reply LS from CT4 to SA5 on Charging aspects for Network Sharing (MOCN GWCN)** *Source: C4-140381*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140644 Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks** 32.251 CR-0372 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent*

**Abstract:**

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**Decision:** The document was **revised to S5-140753**.

**S5-140645 Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks** 32.299 CR-0585 (Rel-12) v12.4.0
 *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **revised to S5-140754**.

**S5-140647 Rel-12 CR 32298 Introduce Core Network Operator selection origin for Shared Networks** 32.298 CR-0451 (Rel-12) v12.3.0
 *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140668 Rel-11 CR 32.260 correction of ATCF CDR** 32.260 CR-0251 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei*

**Abstract:**

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**Decision:** The document was **revised to S5-140745**.

**S5-140669 Rel-12 CR 32.260 correction of ATCF CDR** 32.260 CR-0252 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei*

**Abstract:**

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**Decision:** The document was **revised to S5-140746**.

**S5-140677 Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF** 32.260 CR-0245 rev 2 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei, NSN*

**Abstract:**

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**Decision:** The document was **revised to S5-140747**.

**S5-140678 Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF** 32.260 CR-0246 rev 2 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei, NSN*

**Abstract:**

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**Decision:** The document was **revised to S5-140749**.

**S5-140679 Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF** 32.260 CR-0247 rev 2 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140751**.

**S5-140680 Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF** 32.260 CR-0248 rev 2 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140752**.

**S5-140701 Draft TS 32.276** 32.276 v..
 *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

**S5-140702 Draft TS 32.293** 32.293 v..
 *Source: Rapporteur*

**Decision:** The document was **left for email approval and approved**.

**S5-140712 Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0366 rev 1 (Rel-8) v8.15.0
 *Source: Ericsson*

(Replaces S5-140549)

**Decision:** The document was **agreed**.

**S5-140713 Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0367 rev 1 (Rel-9) v9.11.0
 *Source: Ericsson*

(Replaces S5-140550)

**Decision:** The document was **agreed**.

**S5-140714 Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0368 rev 1 (Rel-10) v10.13.0
 *Source: Ericsson*

(Replaces S5-140551)

**Decision:** The document was **agreed**.

**S5-140716 Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages** 32.251 CR-0370 rev 1 (Rel-12) v12.5.0
 *Source: Ericsson*

(Replaces S5-140553)

**Decision:** The document was **agreed**.

**S5-140717 Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0446 rev 1 (Rel-8) v8.19.0
 *Source: Ericsson*

(Replaces S5-140554)

**Decision:** The document was **agreed**.

**S5-140718 Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0447 rev 1 (Rel-9) v9.17.0
 *Source: Ericsson*

(Replaces S5-140555)

**Decision:** The document was **agreed**.

**S5-140719 Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0448 rev 1 (Rel-10) v10.14.0
 *Source: Ericsson*

(Replaces S5-140556)

**Decision:** The document was **agreed**.

**S5-140743 Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0449 rev 1 (Rel-11) v11.9.0
 *Source: Ericsson*

(Replaces S5-140557)

**Decision:** The document was **agreed**.

**S5-140744 Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR** 32.298 CR-0450 rev 1 (Rel-12) v12.3.0
 *Source: Ericsson*

(Replaces S5-140558)

**Decision:** The document was **agreed**.

**S5-140745 Rel-11 CR 32.260 correction of ATCF CDR** 32.260 CR-0251 rev 1 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei*

(Replaces S5-140668)

**Decision:** The document was **agreed**.

**S5-140746 Rel-12 CR 32.260 correction of ATCF CDR** 32.260 CR-0252 rev 1 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei*

(Replaces S5-140669)

**Decision:** The document was **agreed**.

**S5-140747 Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF** 32.260 CR-0245 rev 3 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei, NSN*

(Replaces S5-140677)

**Decision:** The document was **agreed**.

**S5-140749 Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF** 32.260 CR-0246 rev 3 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei, NSN*

(Replaces S5-140678)

**Decision:** The document was **agreed**.

**S5-140751 Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF** 32.260 CR-0247 rev 3 (Rel-11) v11.11.0
 *Source: China Mobile, Huawei, NSN*

(Replaces S5-140679)

**Decision:** The document was **agreed**.

**S5-140752 Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF** 32.260 CR-0248 rev 3 (Rel-12) v12.3.0
 *Source: China Mobile, Huawei, NSN*

(Replaces S5-140680)

**Decision:** The document was **agreed**.

**S5-140753 Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks** 32.251 CR-0372 rev 1 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent*

(Replaces S5-140644)

**Decision:** The document was **agreed**.

**S5-140754 Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks** 32.299 CR-0585 rev 1 (Rel-12) v12.4.0
 *Source: Alcatel-Lucent*

(Replaces S5-140645)

**Decision:** The document was **agreed**.

### 8.4 Rel-12 Charging

#### 8.4.1 Charging per IP-Connectivity Access Network (IP-CAN) Session

**S5-140608 Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain** 32.251 CR-0365 (Rel-12) v12.5.0
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140750**.

**S5-140750 Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain** 32.251 CR-0365 rev 1 (Rel-12) v12.5.0
 *Source: Ericsson*

(Replaces S5-140608)

**Decision:** The document was **agreed**.

#### 8.4.2 Charging using an Alternative Roaming Provider

**S5-140521 ETSI TR 103 227** *Source: ETSI Secretariat*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140523 Roaming regulation specifications** *Source: ETSI Secretariat*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140560 Rel-12 pCR 32.276 Simplification and reuse of existing IEs for VCS** 32.276 v..
 *Source: NSN*

**Abstract:**

-

**Decision:** The document was **revised to S5-140697**.

**S5-140602 Rel-12 pCR 32.276 Charging information for VCS - Issue1 resolution** *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **revised to S5-140699**.

**S5-140665 Rel-12 PCR 32.276 Use of new IEs for call party address information for VCS** 32.276 v..
 *Source: Ericsson, Telefonica, NSN*

**Abstract:**

-

**Decision:** The document was **withdrawn**.

**S5-140666 Rel-12 PCR 32.276 Resolution of Issues 2, 3, and 4 for VCS charging information** 32.276 v..
 *Source: Ericsson, Telefonica, Alcatel-Lucent, Huawei, NSN*

**Abstract:**

-

**Decision:** The document was **revised to S5-140696**.

**S5-140667 Rel-12 PCR 32.276 Miscellaneous drafting rule corrections** 32.276 v..
 *Source: Ericsson*

**Abstract:**

-

**Decision:** The document was **revised to S5-140695**.

**S5-140671 Rel-12 PCR 32.276 Use of new IEs for call party address information for VCS** 32.276 v..
 *Source: Ericsson, Telefonica, NSN, Orange*

**Abstract:**

Revision of S5-140665

**Decision:** The document was **withdrawn**.

**S5-140681 Rel-12 pCR 32.293 unify the entity name of message flow and description txt** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140700**.

**S5-140682 Discussion paper charging information usage for VCS** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140683 Rel-12 pCR 32.276 proposal of information elements charging information for VCS** *Source: Huawei*

**Abstract:**

-

**Decision:** The document was **revised to S5-140698**.

**S5-140695 Rel-12 PCR 32.276 Miscellaneous drafting rule corrections** *Source: Ericsson*

(Replaces S5-140667)

**Decision:** The document was **approved**.

**S5-140696 Rel-12 PCR 32.276 Resolution of Issues 2, 3, and 4 for VCS charging information** *Source: Ericsson, Telefonica, Alcatel-Lucent, Huawei, NSN*

(Replaces S5-140666)

**Decision:** The document was **approved**.

**S5-140697 Rel-12 pCR 32.276 Simplification and reuse of existing IEs for VCS** *Source: NSN,Huawei*

(Replaces S5-140560)

**Decision:** The document was **approved**.

**S5-140698 Rel-12 pCR 32.276 proposal of information elements charging information for VCS** *Source: Huawei, Ericsson,NSN*

(Replaces S5-140683)

**Decision:** The document was **approved**.

**S5-140699 Rel-12 pCR 32.276 Charging information for VCS - Issue1 resolution** *Source: Alcatel-Lucent, Huawei, Ericsson, Telefonica, Orange, Vodafone, NSN*

(Replaces S5-140602)

**Decision:** The document was **approved**.

**S5-140700 Rel-12 pCR 32.293 unify the entity name of message flow and description txt** *Source: Huawei*

(Replaces S5-140681)

**Decision:** The document was **approved**.

#### 8.4.3 Charging for IMS centralized service (ICS) control (Stage 2/3)

### 8.5 Application Based Charging

#### 8.5.1 Charging for Application Based Charging

**S5-140528 Rel-12 CR 32.251 Requirements and parameters alignment for application based charging** 32.251 CR-0360 (Rel-12) v12.5.0
 *Source: Allot Communications, Openet*

**Abstract:**

Resolutions for Open Issues and some alignments are introduced for application based charging.

**Decision:** The document was **revised to S5-140703**.

**S5-140529 Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251** 32.298 CR-0443 (Rel-12) v12.3.0
 *Source: Allot Communications, Openet*

**Abstract:**

Alignment with TS 32.251 is introduced.

**Decision:** The document was **revised to S5-140704**.

**S5-140530 Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251** 32.299 CR-0583 (Rel-12) v12.4.0
 *Source: Allot Communications, Openet*

**Abstract:**

Alignment with TS 32.251 is introduced.

**Decision:** The document was **revised to S5-140705**.

**S5-140539 Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging** 32.298 CR-0444 (Rel-12) v12.3.0
 *Source: Allot Communications, Openet*

**Abstract:**

Aligns with parameters resolution and clarifies which parameters are not applicable in case of Fixed Broadband Access

**Decision:** The document was **revised to S5-140706**.

**S5-140579 Reply LS from CT3 cc SA5 on providing Charging Characteristics to TDF** *Source: C3-140408*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140649 Reply LS from SA2 to SA5 on providing parameters to TDF** *Source: S2-140467*

**Abstract:**

-

**Decision:** The document was **noted**.

**S5-140670 LSout to SA2 Reply LS on providing parameters to TDF** *Source: ZTE*

**Abstract:**

-

**Decision:** The document was **withdrawn**.

**S5-140703 Rel-12 CR 32.251 Requirements and parameters alignment for application based charging** 32.251 CR-0360 rev 1 (Rel-12) v12.5.0
 *Source: Allot Communications, Openet*

(Replaces S5-140528)

**Decision:** The document was **agreed**.

**S5-140704 Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251** 32.298 CR-0443 rev 1 (Rel-12) v12.3.0
 *Source: Allot Communications, Openet*

(Replaces S5-140529)

**Decision:** The document was **agreed**.

**S5-140705 Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251** 32.299 CR-0583 rev 1 (Rel-12) v12.4.0
 *Source: Allot Communications, Openet*

(Replaces S5-140530)

**Decision:** The document was **agreed**.

**S5-140706 Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging** 32.298 CR-0444 rev 1 (Rel-12) v12.3.0
 *Source: Allot Communications, Openet*

(Replaces S5-140539)

**Decision:** The document was **agreed**.

### 8.6 BB1: Policy and Charging Control for supporting traffic from fixed terminals and NSWO (Non Seamless WLAN Offload) traffic from 3GPP UEs in fixed broadband access networks

#### 8.6.1 Policy and Charging Enforcement Function (PCEF) based Charging for traffic from fixed terminals and NSWO traffic from 3GPP UEs in fixed broadband access networks

**S5-140597 Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario** 32.251 CR-0362 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent, Allot Communications*

**Abstract:**

-

**Decision:** The document was **revised to S5-140707**.

**S5-140598 Rel-12 CR 32251 Introduce Binding for IPE-CDR** 32.251 CR-0363 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent, Allot Communications*

**Abstract:**

-

**Decision:** The document was **revised to S5-140709**.

**S5-140599 Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description** 32.298 CR-0445 (Rel-12) v12.3.0
 *Source: Alcatel-Lucent, Allot Communications*

**Abstract:**

-

**Decision:** The document was **revised to S5-140710**.

**S5-140600 Rel-12 CR 32299 Introduce Access Line Identifier in PS-Information for Convergent Fixed-Mobile scenario** 32.299 CR-0584 (Rel-12) v12.4.0
 *Source: Alcatel-Lucent, Allot Communications*

**Abstract:**

-

**Decision:** The document was **agreed**.

**S5-140601 Rel-12 CR 32251 Introduce IP-CAN session Charging description** 32.251 CR-0364 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent*

**Abstract:**

-

**Decision:** The document was **revised to S5-140711**.

**S5-140707 Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario** 32.251 CR-0362 rev 1 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent, Allot Communications*

(Replaces S5-140597)

**Decision:** The document was **agreed**.

**S5-140709 Rel-12 CR 32251 Introduce Binding for IPE-CDR** 32.251 CR-0363 rev 1 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent, Allot Communications*

(Replaces S5-140598)

**Decision:** The document was **agreed**.

**S5-140710 Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description** 32.298 CR-0445 rev 1 (Rel-12) v12.3.0
 *Source: Alcatel-Lucent, Allot Communications*

(Replaces S5-140599)

**Decision:** The document was **agreed**.

**S5-140711 Rel-12 CR 32251 Introduce IP-CAN session Charging description** 32.251 CR-0364 rev 1 (Rel-12) v12.5.0
 *Source: Alcatel-Lucent*

(Replaces S5-140601)

**Decision:** The document was **agreed**.

#### 8.6.2 Traffic Detection Function (TDF) based Charging for traffic from fixed terminals and NSWO traffic from 3GPP UEs in fixed broadband access networks

**S5-140538 Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access** 32.251 CR-0361 (Rel-12) v12.5.0
 *Source: Allot Communications, Openet*

**Abstract:**

Completes the requirements for Annex D on TDF based charging.

**Decision:** The document was **revised to S5-140708**.

**S5-140708 Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access** 32.251 CR-0361 rev 1 (Rel-12) v12.5.0
 *Source: Allot Communications, Openet*

(Replaces S5-140538)

**Decision:** The document was **agreed**.

## 9 Any Other Business

## 10 Closing of the meeting

Report prepared by: Mirko Cano Soveri

## Annex A: List of contribution documents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-140400 | Agenda | WG Chairman | approved | - | - |
| S5-140401 | Report from last SA5 meeting | ETSI Secretariat | approved | - | - |
| S5-140402 | SA5 status report at last SA meeting | WG Chairman | noted | - | - |
| S5-140403 | SA5 results at last SA meeting | WG Chairman | noted | - | - |
| S5-140404 | Time Plan for OAM&P and Converged Management SWGs | WG Chairman | revised | - | S5-140722 |
| S5-140405 | OAM Executive Report from THIS Meeting | OAM SWG Chair | noted | - | - |
| S5-140406 | Converged Management Executive report from THIS meeting | Converged Management SWG Chair | revised | - | S5-140758 |
| S5-140407 | Leaders meeting agenda | WG Chairman | noted | - | - |
| S5-140408 | Leaders meeting minutes | WG Chairman | noted | - | - |
| S5-140409 | CH Agenda and Time Plan | CH SWG Chair | revised | - | S5-140690 |
| S5-140410 | CH Detailed Report from LAST Meeting | CH SWG Chair | approved | - | - |
| S5-140411 | CH Executive Report from THIS Meeting | CH SWG Chair | revised | - | S5-140757 |
| S5-140412 | CH Detailed Report from THIS Meeting | CH SWG Chair | [not addressed] | - | - |
| S5-140413 | SA5 Meeting Calendar | WG Chairman | noted | - | - |
| S5-140414 | SA5 Working Procedures | WG Chairman | noted | - | - |
| S5-140415 | SA5 Meeting Facility Requirements | WG Chairman | noted | - | - |
| S5-140416 | Process for management of draft TSs/TRs | WG ViceChair | noted | - | - |
| S5-140417 | CR Quality Check | ETSI Secretariat | noted | - | - |
| S5-140418 | Deliverables due for the NEXT SA Plenary | ETSI Secretariat | noted | - | - |
| S5-140419 | Rel-12 SA5 WIDs | WG Chairman | noted | - | - |
| S5-140420 | SA5 3GPP Work Plan | ETSI Secretariat | noted | - | - |
| S5-140421 | Minutes of OAM&P Plenary | Rapporteur | withdrawn | - | - |
| S5-140422 | Minutes of New Work Item proposals - OAM&P & Converged Management | Rapporteur | revised | - | S5-140772 |
| S5-140423 | Minutes of Maintenance and Rel-12 small Enhancements - OAM&P & Converged Management  | Rapporteur | noted | - | - |
| S5-140424 | Minutes of Converged Management Plenary | SWG Chairman | noted | - | - |
| S5-140425 | Minutes for Network Management for 3GPP Interworking WLAN - PM part | Rapporteur | withdrawn | - | - |
| S5-140426 | Minutes for Energy Efficiency related Performance Measurements | Rapporteur | noted | - | - |
| S5-140427 | Minutes for Enhanced NM Centralised Coverage and Capacity Optimisation | Rapporteur | noted | - | - |
| S5-140428 | Minutes for Radio Planning Tool Interface | Rapporteur | noted | - | - |
| S5-140429 | Minutes for OAM&P 12 WLAN Management | Rapporteur | noted | - | - |
| S5-140430 | Minutes for Study on management of Heterogeneous Networks | Rapporteur | noted | - | - |
| S5-140431 | Minutes for Study on Enhancements of OAM aspects of Distributed Mobility Load Balancing (MLB) SON function | Rapporteur | noted | - | - |
| S5-140432 | Minutes for compliance of 3GPP SA5 specifications to the NGMN Top OPE Recommendations | Rapporteur | noted | - | - |
| S5-140433 | Minutes for TR on compliance of 3GPP SA5 specifications to the NGMN NGCOR Requirements | Rapporteur | noted | - | - |
| S5-140434 | Minutes for Converged Management Model alignment Phase 2 | Rapporteur | noted | - | - |
| S5-140435 | Minutes for Converged Management PM Interface definitions | Rapporteur | withdrawn | - | - |
| S5-140436 | Minutes for Study on Application and Partitioning of Itf-N | Rapporteur | noted | - | - |
| S5-140437 | Minutes for Alarm Quality Improvements | Rapporteur | noted | - | - |
| S5-140438 | Minutes for Network Sharing | Rapporteur | noted | - | - |
| S5-140439 | IPR declaration | WG Chairman | noted | - | - |
| S5-140440 | Rel-13 SA5 WIDs | WG Chairman | noted | - | - |
| S5-140441 | Work plan status after SA5#94 | WG Chairman | withdrawn | - | - |
| S5-140442 | Rel-5 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140443 | Rel-6 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140444 | Rel-8 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140445 | Rel-9 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140446 | Rel-10 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140447 | Rel-11 CR 32.111-X (IS-SS relationship) | MCC (az/QC) | postponed | - | - |
| S5-140448 | Rel-10 CR 32.111-1 (Reference corrections) | MCC (az/QC) | postponed | - | - |
| S5-140449 | Rel-11 CR 32.111-1 (Reference corrections) | MCC (az/QC) | postponed | - | - |
| S5-140450 |  Rel-12 CR 32.111-1 (Reference corrections) | MCC (az/QC) | postponed | - | - |
| S5-140451 |  Rel-11 CR 32.624-5-6 (Reference corrections, etc.) | MCC (az/QC) | postponed | - | - |
| S5-140452 | Rel-11 CR 28.620 V11.0.0 | MCC (az/QC) | postponed | - | - |
| S5-140453 | Rel-11 CR 28.622-b01 | MCC (az/QC) | postponed | - | - |
| S5-140454 | Rel-11 CR 28.627-b00 | MCC (az/QC) | postponed | - | - |
| S5-140455 | Rel-11 CR 28.628-b30 | MCC (az/QC) | postponed | - | - |
| S5-140456 | Rel-11 CR 28.629-b20 | MCC (az/QC) | postponed | - | - |
| S5-140457 | Rel-12 CR 28.606 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140458 | Rel-12 CR 28.616 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140459 | Rel-11 CR 28.623 upgrade XSD | Ericsson/Huawei | revised | - | S5-140724 |
| S5-140460 | Rel-11 CR 28.626 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140461 | Rel-11 CR 28.629 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140462 | Rel-11 CR 28.633 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140463 | Rel-11 CR 28.653 upgrade XSD | Ericsson/Huawei | revised | - | S5-140725 |
| S5-140464 | Rel-11 CR 28.656 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140465 | Rel-11 CR 28.659 upgrade XSD | Ericsson/Huawei | agreed | - | - |
| S5-140466 | Rel-11 CR 28.631-b00 | MCC (az/QC) | postponed | - | - |
| S5-140467 | Rel-11 CR 28.632-b00 | MCC (az/QC) | postponed | - | - |
| S5-140468 | Rel-11 CR 28.633-b00 | MCC (az/QC) | postponed | - | - |
| S5-140469 | Rel-11 CR 32.690-b00 | MCC (az/QC) | postponed | - | - |
| S5-140470 | Rel-11 CR 28.651-b00 | MCC (az/QC) | postponed | - | - |
| S5-140471 | Rel-11 CR 28.652-b00 | MCC (az/QC) | postponed | - | - |
| S5-140472 | Rel-11 CR 28.653-b00 | MCC (az/QC) | postponed | - | - |
| S5-140473 | Rel-11 CR 28.654-b00 | MCC (az/QC) | postponed | - | - |
| S5-140474 | Rel-11 CR 28.655-b00 | MCC (az/QC) | postponed | - | - |
| S5-140475 | Rel-11 CR 28.656-b00 | MCC (az/QC) | postponed | - | - |
| S5-140476 | Rel-11 CR 28.657-b00 | MCC (az/QC) | postponed | - | - |
| S5-140477 | Rel-11 CR 28.658-b30 | MCC (az/QC) | postponed | - | - |
| S5-140478 | Rel-11 CR 28.659-b30 | MCC (az/QC) | postponed | - | - |
| S5-140479 | Rel-11 CR 28.661-b10 | MCC (az/QC) | postponed | - | - |
| S5-140480 | Rel-11 CR 28.662-b10 | MCC (az/QC) | postponed | - | - |
| S5-140481 | Rel-11 CR 28.663-b10 | MCC (az/QC) | postponed | - | - |
| S5-140482 | Rel-11 CR 28.671-b00 | MCC (az/QC) | postponed | - | - |
| S5-140483 | Rel-11 CR 28.672-b00 | MCC (az/QC) | postponed | - | - |
| S5-140484 | Rel-11 CR 28.673-b00 | MCC (az/QC) | postponed | - | - |
| S5-140485 | Rel-11 CR 28.674-b00 | MCC (az/QC) | postponed | - | - |
| S5-140486 | Rel-11 CR 28.675-b00 | MCC (az/QC) | postponed | - | - |
| S5-140487 | Rel-11 CR 28.676-b00 | MCC (az/QC) | postponed | - | - |
| S5-140488 | Rel-11 CR 28.701-b00 | MCC (az/QC) | postponed | - | - |
| S5-140489 | Rel-11 CR 28.702-b00 | MCC (az/QC) | postponed | - | - |
| S5-140490 | Rel-11 CR 28.703-b00 | MCC (az/QC) | postponed | - | - |
| S5-140491 | Rel-11 CR 28.704-b00 | MCC (az/QC) | postponed | - | - |
| S5-140492 | Rel-11 CR 28.705-b00 | MCC (az/QC) | postponed | - | - |
| S5-140493 | Rel-11 CR 28.706-b00 | MCC (az/QC) | postponed | - | - |
| S5-140494 | Rel-11 CR 28.707-b00 | MCC (az/QC) | postponed | - | - |
| S5-140495 | Rel-11 CR 28.708-b00 | MCC (az/QC) | postponed | - | - |
| S5-140496 | Rel-8 CR 32.752-820 (same problem as 28.708 - Ref [15] TR 32.816-160) | MCC (az/QC) | postponed | - | - |
| S5-140497 | Rel-9 CR 32.752-930 (same problem as 28.708 - Ref [15] TR 32.816-160) | MCC (az/QC) | postponed | - | - |
| S5-140498 | Rel-10 CR 32.752-a20 (same problem as 28.708 - Ref [15] TR 32.816-160) | MCC (az/QC) | postponed | - | - |
| S5-140499 | Rel-11 CR 32.752-b01 (same problem as 28.708 - Ref [15] TR 32.816-160) | MCC (az/QC) | postponed | - | - |
| S5-140500 | Rel-11 CR 28.709-b00 | MCC (az/QC) | postponed | - | - |
| S5-140501 | Rel-11 P-CR 28.731-b00 | MCC (az/QC) | postponed | - | - |
| S5-140502 | Rel-11 P-CR 28.732-b00 | MCC (az/QC) | postponed | - | - |
| S5-140503 | Rel-11 P-CR 28.733-b00 | MCC (az/QC) | postponed | - | - |
| S5-140504 | Rel-11 P-CR 28.734-b00 | MCC (az/QC) | postponed | - | - |
| S5-140505 | Rel-11 P-CR 28.735-b00 | MCC (az/QC) | postponed | - | - |
| S5-140506 | Rel-11 P-CR 28.736-b00 | MCC (az/QC) | postponed | - | - |
| S5-140507 | Rel-11 P-CR 28.751-b01 | MCC (az/QC) | postponed | - | - |
| S5-140508 | Rel-11 P-CR 28.752-b01 | MCC (az/QC) | postponed | - | - |
| S5-140509 | Rel-11 P-CR 28.753-b01 | MCC (az/QC) | postponed | - | - |
| S5-140510 | Rel-11 P-CR 32107-b02 | MCC (az/QC) | postponed | - | - |
| S5-140511 | Rel-11 P-CR 32156-b10 | MCC (az/QC) | postponed | - | - |
| S5-140512 | Rel-11 P-CR 32157-b30 | MCC (az/QC) | postponed | - | - |
| S5-140513 | List of Rapporteurs | ETSI Secretariat | revised | - | S5-140774 |
| S5-140514 | Rel-12 P-CR 28.390-c00 | MCC (az/QC) | [postponed | - | - |
| S5-140515 | Rel-12 P-CR 28.601-c00 | MCC (az/QC) | postponed | - | - |
| S5-140516 | Rel-12 P-CR 28.602-c00 | MCC (az/QC) | postponed | - | - |
| S5-140517 | Rel-12 P-CR 28.606-c00 | MCC (az/QC) | postponed | - | - |
| S5-140518 | Rel-12 P-CR 28.611-c00 | MCC (az/QC) | postponed | - | - |
| S5-140519 | Rel-12 P-CR 28.612-c00 | MCC (az/QC) | postponed | - | - |
| S5-140520 | Rel-12 P-CR 28.616-c00 | MCC (az/QC) | postponed | - | - |
| S5-140521 | ETSI TR 103 227 | ETSI Secretariat | noted | - | - |
| S5-140522 | SA5 presentation at NFV#5 meeting Feb 19th 2014 | WG Chairman | noted | - | - |
| S5-140523 | Roaming regulation specifications | ETSI Secretariat | noted | - | - |
| S5-140524 | AI 84.1 on vsDataContainer self name-containment | Orange | noted | - | - |
| S5-140525 | AI 87.2 on type of attributes latitude and longitude in TS 28.655 | Orange | noted | - | - |
| S5-140526 | Proposal for re-formatting TR 32.837 | Orange | noted | - | - |
| S5-140527 | pCR 32.130 Business level requirements and high-level use cases | Orange | noted | - | - |
| S5-140528 | Rel-12 CR 32.251 Requirements and parameters alignment for application based charging | Allot Communications, Openet | revised | - | S5-140703 |
| S5-140529 | Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251 | Allot Communications, Openet | revised | - | S5-140704 |
| S5-140530 | Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251 | Allot Communications, Openet | revised | - | S5-140705 |
| S5-140531 | CR 28657 Add requirement for the management of shared E-UTRAN | Orange | noted | - | - |
| S5-140532 | CR 28658 Introduce information in IS to support E-UTRAN sharing | Orange | noted | - | - |
| S5-140533 | pCR Performance measurements handling | Intel | withdrawn | - | - |
| S5-140534 | pCR WLAN\_OAM study conclusion | Intel | withdrawn | - | - |
| S5-140535 | Discussion paper of WLAN alarm | Intel | withdrawn | - | - |
| S5-140536 | pCR on 28.403 WLAN PM Measurements | Intel | withdrawn | - | - |
| S5-140537 | pCR on 28.680 WLAN requirement | Intel | withdrawn | - | - |
| S5-140538 | Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access | Allot Communications, Openet | revised | - | S5-140708 |
| S5-140539 | Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging | Allot Communications, Openet | revised | - | S5-140706 |
| S5-140540 | Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | revised | - | S5-140726 |
| S5-140541 | Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | revised | - | S5-140727 |
| S5-140542 | DP Use of Inter Operator Identifiers with Application Servers | Ericsson | noted | - | - |
| S5-140543 | LSout CT1 LS on Clarification of transit IOI exchange over ISC interface | Ericson | noted | - | - |
| S5-140544 | Rel-11 CR 32.240 Clarification on transit IOI exchange over ISC interface | Ericsson | noted | - | - |
| S5-140545 | Rel-12 CR 32.240 Clarification on transit IOI exchange over ISC interface | Ericsson | noted | - | - |
| S5-140546 | Rel-11 CR 32.260 Remote Transit IOI List from IMS online charging interface | Ericsson | noted | - | - |
| S5-140547 | Rel-12 CR 32.260 Remove Transit IOI List from IMS online charging inferface | Ericsson | noted | - | - |
| S5-140548 | DP External charging identifier in PS domain charging | Ericsson | noted | - | - |
| S5-140549 | Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | revised | - | S5-140712 |
| S5-140550 | Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | revised | - | S5-140713 |
| S5-140551 | Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | revised | - | S5-140714 |
| S5-140552 | Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | revised | - | S5-140715 |
| S5-140553 | Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | revised | - | S5-140716 |
| S5-140554 | Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | revised | - | S5-140717 |
| S5-140555 | Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | revised | - | S5-140718 |
| S5-140556 | Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | revised | - | S5-140719 |
| S5-140557 | Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | revised | - | S5-140743 |
| S5-140558 | Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | revised | - | S5-140744 |
| S5-140559 | New WID Study on Management of Virtualized Network | Huawei Technologies | revised | - | S5-140723 |
| S5-140560 | Rel-12 pCR 32.276 Simplification and reuse of existing IEs for VCS | NSN | revised | - | S5-140697 |
| S5-140561 | Rel-12 CR 32.299 Remove clause 6.3 Editor's Notes | Ericsson | agreed | - | - |
| S5-140562 | pCR Performance measurements handling | Intel | revised | - | S5-140739 |
| S5-140563 | Discussion paper of WLAN alarm notification | Intel | noted | - | - |
| S5-140564 | pCR WLAN\_OAM study conclusion | Intel | revised | - | S5-140742 |
| S5-140565 | pCR on 28.680 WLAN requirement | Intel | noted | - | - |
| S5-140566 | pCR on 28.403 WLAN PM Measurements | Intel | noted | - | - |
| S5-140567 | OAM action list before the meeting | OAM SWG Chair | noted | - | - |
| S5-140568 | OAM action list post the meeting | OAM SWG Chair | noted | - | - |
| S5-140569 | OAM Timing Metrics at SA#94 | OAM SWG Chair | noted | - | - |
| S5-140570 | CR R12 32.425 Add usage of measurements for EE | NSN | noted | - | - |
| S5-140571 | Discussion paper on real TA size KPI | NSN | noted | - | - |
| S5-140572 | CR R12 32.451 Add real TA size monitoring KPI requirements | NSN | noted | - | - |
| S5-140573 | CR R12 32.450 Add real TA size monitoring KPI | NSN | noted | - | - |
| S5-140574 | pCR on concepts and architectures of TR32.861 | China Mobile | noted | - | - |
| S5-140575 | Re-submitted LS from NGMN Project NGCOR to SA5 on Publication of Deliverables | NGMN NGCOR | postponed | - | - |
| S5-140576 | Resubmitted LS ETSI EE to SA5 on Cooperation for Energy Efficiency Measurements | ETSI EE | postponed | - | - |
| S5-140577 | Resubmitted LS from CT1 to SA5 on transit IOI exchange over ISC interface | C1-131748 | postponed | - | - |
| S5-140578 | LS from CT1 to SA5 on IOI in MESSAGE with SRVCC information | C1-140720 | replied to | - | - |
| S5-140579 | Reply LS from CT3 cc SA5 on providing Charging Characteristics to TDF | C3-140408 | noted | - | - |
| S5-140580 | Rel 12 CR 32593 Fix incorrect references to section numbers | Alcatel-Lucent | revised | - | S5-140728 |
| S5-140581 | pCR 32.835 Editorial changes | Huawei | revised | - | S5-140763 |
| S5-140582 | pCR 32.835 Policy-based management changes | Huawei | revised | - | S5-140764 |
| S5-140583 | pCR 32.835 Add hetnet deployment scenarios | Huawei | noted | - | - |
| S5-140584 | Rel-11 CR 28.663 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140585 | Rel-11 CR 28.673 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140586 | Rel-11 CR 28.676 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140587 | Rel-11 CR 28.703 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140588 | Rel-11 CR 28.706 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140589 | Rel-11 CR 28.709 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140590 | Rel-11 CR 28.733 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140591 | Rel-11 CR 28.736 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140592 | Rel-11 CR 28.753 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | agreed | - | - |
| S5-140593 | Clarification on the relation between RRC connection re-establishment measurement and HO optimization | Huawei | noted | - | - |
| S5-140594 | Enhancements for HO optimization performance evaluation | Huawei | noted | - | - |
| S5-140595 | Update of WID Compliance to NGMN NGCOR Requirements | Huawei | revised | - | S5-140777 |
| S5-140596 | pCR Add introduction section to TR 32.837 | Huawei | approved | - | - |
| S5-140597 | Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario | Alcatel-Lucent, Allot Communications | revised | - | S5-140707 |
| S5-140598 | Rel-12 CR 32251 Introduce Binding for IPE-CDR | Alcatel-Lucent, Allot Communications | revised | - | S5-140709 |
| S5-140599 | Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description | Alcatel-Lucent, Allot Communications | revised | - | S5-140710 |
| S5-140600 | Rel-12 CR 32299 Introduce Access Line Identifier in PS-Information for Convergent Fixed-Mobile scenario | Alcatel-Lucent, Allot Communications | agreed | - | - |
| S5-140601 | Rel-12 CR 32251 Introduce IP-CAN session Charging description | Alcatel-Lucent | revised | - | S5-140711 |
| S5-140602 | Rel-12 pCR 32.276 Charging information for VCS - Issue1 resolution | Alcatel-Lucent | revised | - | S5-140699 |
| S5-140603 | WID for Proximity-based Services Charging aspects | Qualcomm Incorporated | revised | - | S5-140694 |
| S5-140604 | Rel-11 CR 28.625 Add definition of NULL for proceduralStatus | Ericsson | agreed | - | - |
| S5-140605 | LSout SA2 Reply LS on ProSe Charging | Qualcomm Incorporated | noted | - | - |
| S5-140606 | Discussion Paper for WID ProSe Charging Aspects | Qualcomm Incorporated | noted | - | - |
| S5-140607 | Rel-11 CR 28.622 Correction of reference | Ericsson | agreed | - | - |
| S5-140608 | Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain | Ericsson | revised | - | S5-140750 |
| S5-140609 | Rel-12 CR 32.251 Remove clause 6.3.1.2 Editor's Notes and clause 6.3.1 Hanging Paragraphs | Ericsson | noted | - | - |
| S5-140610 | CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification | ZTE | revised | - | S5-140731 |
| S5-140611 | CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | revised | - | S5-140732 |
| S5-140612 | CR R11 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | agreed | - | - |
| S5-140613 | pCR to TR 32.860 MLB parameters alignment | Cisco | revised | - | S5-140771 |
| S5-140614 | pCR to TR 32.860 MLB parameters alignment part 2 | Cisco | revised | - | S5-140770 |
| S5-140615 | pCR to TR 32.860 Additional load information for MLB | Cisco | revised | - | S5-140766 |
| S5-140616 | pCR to TR 32.860 Load indicators based on Composite Available Capacity (CAC) | Cisco | noted | - | - |
| S5-140617 | pCR to TR 32.860 Definition of the Cell Capacity Class Value | Cisco | noted | - | - |
| S5-140618 | pCR on TR 32.860-020 on MLB algorithms misalignment PS | Ericsson | noted | - | - |
| S5-140619 | pCR on TR 32.860-020 on non-uniform load distribution PS | Ericsson | revised | - | S5-140767 |
| S5-140620 | pCR on TR 32.860-020 problems modifying D-MLB decision by NM | Ericsson | noted | - | - |
| S5-140621 | pCR to TR 32.836 Use Case 6 Capacity Optimization | Cisco | noted | - | - |
| S5-140622 | pCR to TR 32.838 Northbound Interface for SON related parameters | Cisco | revised | - | S5-140773 |
| S5-140623 | pCR to TR 32.838 Northbound Interface for SON related parameters, part 2 | Cisco | noted | - | - |
| S5-140624 | pCR to TR 32.838 SON controlled implementation eICIC ABS patterns | Cisco | revised | - | S5-140776 |
| S5-140625 | SID for Study on Management of Virtualized Network | China Mobile | revised | - | S5-140723 |
| S5-140626 | pCR to TR 32.838 SON controlled implementation eICIC ABS patterns part 2 | Cisco | revised | - | S5-140776 |
| S5-140627 | R12 CR 32.421 Introducing requirements for Network Sharing | Ericsson, TeliaSonera | noted | - | - |
| S5-140628 | R12 Tdoc Way forward for changing existing specifications for Network Sharing | Ericsson | noted | - | - |
| S5-140629 | RPT interface - Update of the Management Reference Model | NSN | noted | - | - |
| S5-140630 | pCR TR 32.835 Reduction of PM data | Ericsson | revised | - | S5-140765 |
| S5-140631 | pCR TR 32.835 Clarification of PM trend reporting | Ericsson | revised | - | S5-140775 |
| S5-140632 | Draft TS 26.667: RPT interface NRM: Requirements | NSN | revised | - | S5-140736 |
| S5-140633 | Draft TS 28.668: RPT interface NRM: Information Service (IS) | NSN | revised | - | S5-140737 |
| S5-140634 | LS to 3GPP SA2 and SA5 on IMS (VoLTE/RCS) Roaming | GSMA RCPG | replied to | - | - |
| S5-140635 | SID for Study on Management of Virtualized Network | China Mobile | withdrawn | - | - |
| S5-140636 | Reply LS from CT4 to SA5 on Charging aspects for Network Sharing (MOCN GWCN) | C4-140381 | noted | - | - |
| S5-140637 | LS from CT4 to SA5 on the IETF Diameter overload solution | C4-140420 | noted | - | - |
| S5-140638 | Reply LS from ETSI NFV to SA5 on Management of Virtualised Network | ETSI ISG NFV | noted | - | - |
| S5-140639 | Reply LS from RAN2 cc SA5 on system aspects for Small Cell Enhancement work in RAN | R2-140999 | noted | - | - |
| S5-140640 | Reply LS from RAN3 cc SA5 on ULI reporting enhancements | R3-140376 | noted | - | - |
| S5-140641 | LS from RAN3 to SA5 on Rel.11 SON enhancements | R3-140464 | postponed | - | - |
| S5-140642 | Reply LS from RAN3 cc SA5 on system aspects for Small Cell Enhancement work in RAN | R3-140486 | noted | - | - |
| S5-140643 | LS from SA1 to SA5 on ECT Assured Transfer description in MMTel | S1-140291 | noted | - | - |
| S5-140644 | Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | revised | - | S5-140753 |
| S5-140645 | Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | revised | - | S5-140754 |
| S5-140646 | R12 Tdoc Cell coverage adapting to traffic demand use case recommendation | Ericsson | noted | - | - |
| S5-140647 | Rel-12 CR 32298 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | agreed | - | - |
| S5-140648 | R12 pCR 32.836-130 CCO bin evaluation | Ericsson | revised | - | S5-140738 |
| S5-140649 | Reply LS from SA2 to SA5 on providing parameters to TDF | S2-140467 | noted | - | - |
| S5-140650 | LS from SA2 to SA5 on Gy interface for EPC Roaming LBO scenario | S2-140472 | noted | - | - |
| S5-140651 | LS from SA2 to SA5 on ProSe charging | S2-140519 | noted | - | - |
| S5-140652 | LS from SA2 cc SA5 on system aspects for Small Cell Enhancement work in RAN | S2-140537 | noted | - | - |
| S5-140653 | LS from SA2 cc SA5 on Maintenance of I-WLAN Solution | S2-140554 | noted | - | - |
| S5-140654 | Reply LS from SA cc SA5 on Maintenance of I-WLAN Solution | SP-140149 | postponed | - | - |
| S5-140655 | LS from ITU JCA-SDN to SA5 on SDN standardization activity map | ITU JCA SDN | postponed | - | - |
| S5-140656 | Discussion paper of NM CCO monitoring | Intel | noted | - | - |
| S5-140657 | Rel-11 CR 28.652 Align operationalState definitions | Ericsson | revised | - | S5-140733 |
| S5-140658 | pCR to TR 32.860 v0.2.0: Editorial changes | NEC, Cisco | revised | - | S5-140769 |
| S5-140659 | pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue | NEC | revised | - | S5-140768 |
| S5-140660 | Proposals from Study on Alarm Management | TeliaSonera | noted | - | - |
| S5-140661 | pCR for Super CR on 32.111-1 Event definition | TeliaSonera | revised | - | S5-140734 |
| S5-140662 | pCR for Super CR on 32111-1 Alarm definition | TeliaSonera | noted | - | - |
| S5-140663 | UOM Version 5.2 draft | Ericsson | withdrawn | - | - |
| S5-140664 | Model Repertoire V5.3 Draft | Ericsson | withdrawn | - | - |
| S5-140665 | Rel-12 PCR 32.276 Use of new IEs for call party address information for VCS | Ericsson, Telefonica, NSN | withdrawn | - | - |
| S5-140666 | Rel-12 PCR 32.276 Resolution of Issues 2, 3, and 4 for VCS charging information | Ericsson, Telefonica, Alcatel-Lucent, Huawei, NSN | revised | - | S5-140696 |
| S5-140667 | Rel-12 PCR 32.276 Miscellaneous drafting rule corrections | Ericsson | revised | - | S5-140695 |
| S5-140668 | Rel-11 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | revised | - | S5-140745 |
| S5-140669 | Rel-12 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | revised | - | S5-140746 |
| S5-140670 | LSout to SA2 Reply LS on providing parameters to TDF | ZTE | withdrawn | - | - |
| S5-140671 | Rel-12 PCR 32.276 Use of new IEs for call party address information for VCS | Ericsson, Telefonica, NSN, Orange | withdrawn | - | - |
| S5-140672 | New Work Item with Study phase on Inter-PLMN Gy Reference Point | Alcatel-Lucent | revised | - | S5-140693 |
| S5-140673 | Report of methodology coordination meeting between SA5 and ITU-T SG2 | WG ViceChair | noted | - | - |
| S5-140674 | Open Action Items for Converged Management SWG | CMAN SWG chair | noted | - | - |
| S5-140675 | DP on Security aspect of Gy Reference Point in inter-PLMN scenario | Alcatel-Lucent | noted | - | - |
| S5-140676 | LS to GSMA IREG on security aspects for Gy interfaces in EPC Roaming LBO scenario | Alcatel-Lucent | noted | - | - |
| S5-140677 | Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | revised | - | S5-140747 |
| S5-140678 | Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | revised | - | S5-140749 |
| S5-140679 | Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei | revised | - | S5-140751 |
| S5-140680 | Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei | revised | - | S5-140752 |
| S5-140681 | Rel-12 pCR 32.293 unify the entity name of message flow and description txt | Huawei | revised | - | S5-140700 |
| S5-140682 | Discussion paper charging information usage for VCS | Huawei | noted | - | - |
| S5-140683 | Rel-12 pCR 32.276 proposal of information elements charging information for VCS | Huawei | revised | - | S5-140698 |
| S5-140684 | LSout RCPG LS on IMS (VoLTE/RCS) Roaming | Ericsson | revised | - | S5-140692 |
| S5-140685 | Converged Management UOM 5.2 draft v1 | Ericsson | noted | - | - |
| S5-140686 | Converged Management Model Repertoire 5.3 draft v1 | Ericsson | noted | - | - |
| S5-140687 | Minutes from NGCOR implementation meeting March 18-19 | WG Chairman | withdrawn | - | - |
| S5-140688 | Discussion the use of UML diagrams | MCC | noted | - | - |
| S5-140689 | Guide of writing a spec for Rapporteurs | MCC | noted | - | - |
| S5-140690 | CH Agenda and Time Plan | CH SWG Chair | agreed | S5-140409 | - |
| S5-140691 | Reply LS to CT1 on IOI in MESSAGE with SRVCC information | Ericsson | approved | - | - |
| S5-140692 | LSout RCPG LS on IMS (VoLTE/RCS) Roaming | Ericsson | approved | S5-140684 | - |
| S5-140693 | New Work Item with Study phase on Inter-PLMN Gy Reference Point | Alcatel-Lucent | agreed | S5-140672 | - |
| S5-140694 | WID for Proximity-based Services Charging aspects | Qualcomm Incorporated | revised | S5-140603 | S5-140755 |
| S5-140695 | Rel-12 PCR 32.276 Miscellaneous drafting rule corrections | Ericsson | approved | S5-140667 | - |
| S5-140696 | Rel-12 PCR 32.276 Resolution of Issues 2, 3, and 4 for VCS charging information | Ericsson, Telefonica, Alcatel-Lucent, Huawei, NSN | approved | S5-140666 | - |
| S5-140697 | Rel-12 pCR 32.276 Simplification and reuse of existing IEs for VCS | NSN,Huawei | approved | S5-140560 | - |
| S5-140698 | Rel-12 pCR 32.276 proposal of information elements charging information for VCS | Huawei, Ericsson,NSN | approved | S5-140683 | - |
| S5-140699 | Rel-12 pCR 32.276 Charging information for VCS - Issue1 resolution |  Alcatel-Lucent, Huawei, Ericsson, Telefonica, Orange, Vodafone, NSN | approved | S5-140602 | - |
| S5-140700 | Rel-12 pCR 32.293 unify the entity name of message flow and description txt | Huawei | approved | S5-140681 | - |
| S5-140701 | Draft TS 32.276 | Rapporteur | approved | - | - |
| S5-140702 | Draft TS 32.293 | Rapporteur | approved | - | - |
| S5-140703 | Rel-12 CR 32.251 Requirements and parameters alignment for application based charging | Allot Communications, Openet | agreed | S5-140528 | - |
| S5-140704 | Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251 | Allot Communications, Openet | agreed | S5-140529 | - |
| S5-140705 | Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251 | Allot Communications, Openet | agreed | S5-140530 | - |
| S5-140706 | Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging | Allot Communications, Openet | agreed | S5-140539 | - |
| S5-140707 | Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario | Alcatel-Lucent, Allot Communications | agreed | S5-140597 | - |
| S5-140708 | Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access | Allot Communications, Openet | agreed | S5-140538 | - |
| S5-140709 | Rel-12 CR 32251 Introduce Binding for IPE-CDR | Alcatel-Lucent, Allot Communications | agreed | S5-140598 | - |
| S5-140710 | Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description | Alcatel-Lucent, Allot Communications | agreed | S5-140599 | - |
| S5-140711 | Rel-12 CR 32251 Introduce IP-CAN session Charging description | Alcatel-Lucent | agreed | S5-140601 | - |
| S5-140712 | Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | agreed | S5-140549 | - |
| S5-140713 | Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | agreed | S5-140550 | - |
| S5-140714 | Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | agreed | S5-140551 | - |
| S5-140715 | Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | agreed | S5-140552 | - |
| S5-140716 | Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | agreed | S5-140553 | - |
| S5-140717 | Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | agreed | S5-140554 | - |
| S5-140718 | Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | agreed | S5-140555 | - |
| S5-140719 | Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | agreed | S5-140556 | - |
| S5-140720 | LS from SA cc SA5 on 3GPP activities on Network Functions Virtualisation | SP-140160 | noted | - | - |
| S5-140721 | Summary of NFV/SDN discussions | SP-140147 | noted | - | - |
| S5-140722 | Time Plan for OAM&P and Converged Management SWGs | WG Chairman | approved | S5-140404 | - |
| S5-140723 | New WID Study on Management of Virtualized Network | Huawei Technologies | noted | S5-140559 | - |
| S5-140724 | Rel-11 CR 28.623 upgrade XSD | Ericsson/Huawei | agreed | S5-140459 | - |
| S5-140725 | Rel-11 CR 28.653 upgrade XSD | Ericsson/Huawei | agreed | S5-140463 | - |
| S5-140726 | Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | agreed | S5-140540 | - |
| S5-140727 | Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | agreed | S5-140541 | - |
| S5-140728 | Rel 12 CR 32593 Fix incorrect references to section numbers | Alcatel-Lucent | agreed | S5-140580 | - |
| S5-140729 | Number of specs per Rapporteur list | MCC | noted | - | - |
| S5-140730 | Converged Management Action list | Ericsson | revised | - | S5-140779 |
| S5-140731 | CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification | ZTE | agreed | S5-140610 | - |
| S5-140732 | CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | agreed | S5-140611 | - |
| S5-140733 | Rel-11 CR 28.652 Align operationalState definitions | Ericsson | agreed | S5-140657 | - |
| S5-140734 | pCR for Super CR on 32.111-1 Event definition | TeliaSonera | revised | S5-140661 | S5-140778 |
| S5-140735 | IS-SS version link | WG Chairman | noted | - | - |
| S5-140736 | Draft TS 28.667: RPT interface NRM: Requirements | NSN | approved | S5-140632 | - |
| S5-140737 | Draft TS 28.668: RPT interface NRM: Information Service (IS) | NSN | approved | S5-140633 | - |
| S5-140738 | R12 pCR 32.836-130 CCO bin evaluation | Ericsson | approved | S5-140648 | - |
| S5-140739 | pCR Performance measurements handling | Intel | revised | S5-140562 | S5-140791 |
| S5-140740 | Status of email approvals | WG Chairman | [not addressed] | - | - |
| S5-140741 | pCR WLAN alarm notification | Intel | revised | - | S5-140780 |
| S5-140742 | pCR WLAN\_OAM study conclusion | Intel | revised | S5-140564 | S5-140781 |
| S5-140743 | Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | agreed | S5-140557 | - |
| S5-140744 | Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | agreed | S5-140558 | - |
| S5-140745 | Rel-11 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | agreed | S5-140668 | - |
| S5-140746 | Rel-12 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | agreed | S5-140669 | - |
| S5-140747 | Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | agreed | S5-140677 | - |
| S5-140748 | pCR to TR 32.838 SON controlled implementation eICIC ABS patterns | Cisco | approved | S5-140796 | - |
| S5-140749 | Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | agreed | S5-140678 | - |
| S5-140750 | Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain | Ericsson | agreed | S5-140608 | - |
| S5-140751 | Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei, NSN | agreed | S5-140679 | - |
| S5-140752 | Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei, NSN | agreed | S5-140680 | - |
| S5-140753 | Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | agreed | S5-140644 | - |
| S5-140754 | Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | agreed | S5-140645 | - |
| S5-140755 | WID for Proximity-based Services Charging aspects | Qualcomm Incorporated | agreed | S5-140694 | - |
| S5-140756 | New draft 32.838 | Rapporteur | approved | - | - |
| S5-140757 | CH Executive Report from THIS Meeting | CH SWG Chair | noted | S5-140411 | - |
| S5-140758 | Converged Management Executive report from THIS meeting | Converged Management SWG Chair | noted | S5-140406 | - |
| S5-140759 | List of Rapporteurs | MCC | noted | S5-140774 | - |
| S5-140763 | pCR 32.835 Editorial changes | Huawei | approved | S5-140581 | - |
| S5-140764 | pCR 32.835 Policy-based management changes | Huawei | noted | S5-140582 | - |
| S5-140765 | pCR TR 32.835 Reduction of PM data | Ericsson | revised | S5-140630 | S5-140782 |
| S5-140766 | pCR to TR 32.860 Additional load information for MLB | Cisco | revised | S5-140615 | S5-140786 |
| S5-140767 | pCR on TR 32.860-020 on non-uniform load distribution PS | Ericsson | revised | S5-140619 | S5-140787 |
| S5-140768 | pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue | NEC | revised | S5-140659 | S5-140789 |
| S5-140769 | pCR to TR 32.860 v0.2.0: Editorial changes | NEC, Cisco | approved | S5-140658 | - |
| S5-140770 | pCR to TR 32.860 MLB parameters alignment part 2 | Cisco | noted | S5-140614 | - |
| S5-140771 | pCR to TR 32.860 MLB parameters alignment | Cisco | revised | S5-140613 | S5-140785 |
| S5-140772 | Minutes of New Work Item proposals - OAM&P & Converged Management | Rapporteur | noted | S5-140422 | - |
| S5-140773 | pCR to TR 32.838 Northbound Interface for SON related parameters | Cisco | approved | S5-140622 | - |
| S5-140774 | List of Rapporteurs | ETSI Secretariat | revised | S5-140513 | S5-140759 |
| S5-140775 | pCR TR 32.835 Clarification of PM trend reporting | Ericsson | approved | S5-140631 | - |
| S5-140776 | pCR to TR 32.838 SON controlled implementation eICIC ABS patterns | Cisco | revised | S5-140624 | S5-140796 |
| S5-140777 | Update of WID Compliance to NGMN NGCOR Requirements | Huawei | agreed | S5-140595 | - |
| S5-140778 | pCR for Super CR on 32.111-1 Event definition | TeliaSonera | approved | S5-140734 | - |
| S5-140779 | Converged Management Action list | Ericsson | noted | S5-140730 | - |
| S5-140780 | pCR WLAN alarm notification | Intel | revised | S5-140741 | S5-140792 |
| S5-140781 | pCR WLAN\_OAM study conclusion | Intel | revised | S5-140742 | S5-140793 |
| S5-140782 | pCR TR 32.835 Reduction of PM data | Ericsson | approved | S5-140765 | - |
| S5-140783 | Draft TR 32.835 | Rapporteur | approved | - | - |
| S5-140784 | Draft TR CCO | Rapporteur | approved | - | - |
| S5-140785 | pCR to TR 32.860 MLB parameters alignment | Cisco | noted | S5-140771 | - |
| S5-140786 | pCR to TR 32.860 Additional load information for MLB | Cisco | noted | S5-140766 | - |
| S5-140787 | pCR on TR 32.860-020 on non-uniform load distribution PS | Ericsson | noted | S5-140767 | - |
| S5-140788 | Draft TR 32.837 | Rapporteur | approved | - | - |
| S5-140789 | pCR to TR 32.860 v0.2.0: HO Parameters Negotiation related issue | NEC | noted | S5-140768 | - |
| S5-140790 | Draft TR 32.860 | Rapporteur | approved | - | - |
| S5-140791 | pCR Performance measurements handling | Intel | approved | S5-140739 | - |
| S5-140792 | pCR WLAN alarm notification | Intel | approved | S5-140780 | - |
| S5-140793 | pCR WLAN\_OAM study conclusion | Intel | approved | S5-140781 | - |
| S5-140794 | Draft TR WLAN | Rapporteur | approved | - | - |
| S5-140795 | Super CR for 32.111-1 | TeliaSonera | approved | - | - |
| S5-140796 | pCR to TR 32.838 SON controlled implementation eICIC ABS patterns | Cisco | revised | S5-140776 | S5-140748 |
| S5-140797 | pCR TS 28.667: RPT interface NRM: Requirements | NSN | approved | - | - |
| S5-140798 | pCR TS 28.668: RPT interface NRM: Requirements | NSN | noted | - | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-140457 | Rel-12 CR 28.606 upgrade XSD | Ericsson/Huawei | 28.606 | 0001 | - | Rel-12 | F | OAM12 | agreed |
| S5-140458 | Rel-12 CR 28.616 upgrade XSD | Ericsson/Huawei | 28.616 | 0001 | - | Rel-12 | F | OAM12 | agreed |
| S5-140607 | Rel-11 CR 28.622 Correction of reference | Ericsson | 28.622 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140459 | Rel-11 CR 28.623 upgrade XSD | Ericsson/Huawei | 28.623 | 0003 | - | Rel-11 | F | OAM11 | revised |
| S5-140724 | Rel-11 CR 28.623 upgrade XSD | Ericsson/Huawei | 28.623 | 0003 | 1 | Rel-11 | F | OAM11 | agreed |
| S5-140604 | Rel-11 CR 28.625 Add definition of NULL for proceduralStatus | Ericsson | 28.625 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140460 | Rel-11 CR 28.626 upgrade XSD | Ericsson/Huawei | 28.626 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140461 | Rel-11 CR 28.629 upgrade XSD | Ericsson/Huawei | 28.629 | 0004 | - | Rel-11 | F | OAM11 | agreed |
| S5-140462 | Rel-11 CR 28.633 upgrade XSD | Ericsson/Huawei | 28.633 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140657 | Rel-11 CR 28.652 Align operationalState definitions | Ericsson | 28.652 | 0003 | - | Rel-11 | F | OAM11 | revised |
| S5-140733 | Rel-11 CR 28.652 Align operationalState definitions | Ericsson | 28.652 | 0003 | 1 | Rel-11 | F | OAM11 | agreed |
| S5-140463 | Rel-11 CR 28.653 upgrade XSD | Ericsson/Huawei | 28.653 | 0003 | - | Rel-11 | F | OAM11 | revised |
| S5-140725 | Rel-11 CR 28.653 upgrade XSD | Ericsson/Huawei | 28.653 | 0003 | 1 | Rel-11 | F | OAM11 | agreed |
| S5-140464 | Rel-11 CR 28.656 upgrade XSD | Ericsson/Huawei | 28.656 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140531 | CR 28657 Add requirement for the management of shared E-UTRAN | Orange | 28.657 | 0001 | - | Rel-12 | B | OAM-SHARE | noted |
| S5-140532 | CR 28658 Introduce information in IS to support E-UTRAN sharing | Orange | 28.658 | 0007 | - | Rel-12 | B | OAM-SHARE | noted |
| S5-140465 | Rel-11 CR 28.659 upgrade XSD | Ericsson/Huawei | 28.659 | 0006 | - | Rel-11 | F | OAM11 | agreed |
| S5-140610 | CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification | ZTE | 28.659 | 0007 | - | Rel-11 | F | OAM11 | revised |
| S5-140731 | CR R11 28.659 Add the missing attribute cellResvInfo in IDL specification | ZTE | 28.659 | 0007 | 1 | Rel-11 | F | OAM11 | agreed |
| S5-140584 | Rel-11 CR 28.663 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.663 | 0002 | - | Rel-11 | F | OAM11 | agreed |
| S5-140585 | Rel-11 CR 28.673 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.673 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140586 | Rel-11 CR 28.676 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.676 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140587 | Rel-11 CR 28.703 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.703 | 0002 | - | Rel-11 | F | OAM11 | agreed |
| S5-140588 | Rel-11 CR 28.706 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.706 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140589 | Rel-11 CR 28.709 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.709 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140590 | Rel-11 CR 28.733 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.733 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140591 | Rel-11 CR 28.736 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.736 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140592 | Rel-11 CR 28.753 Upgrade W3C XML Schema version from 1.0 to 1.1 | Huawei, Ericsson | 28.753 | 0001 | - | Rel-11 | F | OAM11 | agreed |
| S5-140544 | Rel-11 CR 32.240 Clarification on transit IOI exchange over ISC interface | Ericsson | 32.240 | 0372 | - | Rel-11 | F | IOI\_IMS\_CH | noted |
| S5-140545 | Rel-12 CR 32.240 Clarification on transit IOI exchange over ISC interface | Ericsson | 32.240 | 0373 | - | Rel-12 | A | IOI\_IMS\_CH | noted |
| S5-140528 | Rel-12 CR 32.251 Requirements and parameters alignment for application based charging | Allot Communications, Openet | 32.251 | 0360 | - | Rel-12 | B | ABC | revised |
| S5-140703 | Rel-12 CR 32.251 Requirements and parameters alignment for application based charging | Allot Communications, Openet | 32.251 | 0360 | 1 | Rel-12 | B | ABC | agreed |
| S5-140538 | Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access | Allot Communications, Openet | 32.251 | 0361 | - | Rel-12 | B | P4C-F-CH\_T | revised |
| S5-140708 | Rel-12 CR 32.251 Completion of TDF related requirements for Fixed Broadband Access | Allot Communications, Openet | 32.251 | 0361 | 1 | Rel-12 | B | P4C-F-CH\_T | agreed |
| S5-140597 | Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario | Alcatel-Lucent, Allot Communications | 32.251 | 0362 | - | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | revised |
| S5-140707 | Rel-12 CR 32251 Complete Identifiers used for Charging in Convergent scenario | Alcatel-Lucent, Allot Communications | 32.251 | 0362 | 1 | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | agreed |
| S5-140598 | Rel-12 CR 32251 Introduce Binding for IPE-CDR | Alcatel-Lucent, Allot Communications | 32.251 | 0363 | - | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | revised |
| S5-140709 | Rel-12 CR 32251 Introduce Binding for IPE-CDR | Alcatel-Lucent, Allot Communications | 32.251 | 0363 | 1 | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | agreed |
| S5-140601 | Rel-12 CR 32251 Introduce IP-CAN session Charging description | Alcatel-Lucent | 32.251 | 0364 | - | Rel-12 | B | P4C-F-CH\_P | revised |
| S5-140711 | Rel-12 CR 32251 Introduce IP-CAN session Charging description | Alcatel-Lucent | 32.251 | 0364 | 1 | Rel-12 | B | P4C-F-CH\_P | agreed |
| S5-140608 | Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain | Ericsson | 32.251 | 0365 | - | Rel-12 | B | CHIPS | revised |
| S5-140750 | Rel-12 CR 32.251 Completion of charging per IP-CAN session in PS domain | Ericsson | 32.251 | 0365 | 1 | Rel-12 | B | CHIPS | agreed |
| S5-140549 | Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0366 | - | Rel-8 | F | CH8 | revised |
| S5-140712 | Rel-8 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0366 | 1 | Rel-8 | F | CH8 | agreed |
| S5-140550 | Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0367 | - | Rel-9 | A | CH8 | revised |
| S5-140713 | Rel-9 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0367 | 1 | Rel-9 | A | CH8 | agreed |
| S5-140551 | Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0368 | - | Rel-10 | A | CH8 | revised |
| S5-140714 | Rel-10 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0368 | 1 | Rel-10 | A | CH8 | agreed |
| S5-140552 | Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0369 | - | Rel-11 | A | CH8 | revised |
| S5-140715 | Rel-11 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0369 | 1 | Rel-11 | A | CH8 | agreed |
| S5-140553 | Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0370 | - | Rel-12 | A | CH8 | revised |
| S5-140716 | Rel-12 CR 32.251 Removal of IMS charging identifier from PGW CDR and command level online charging messages | Ericsson | 32.251 | 0370 | 1 | Rel-12 | A | CH8 | agreed |
| S5-140609 | Rel-12 CR 32.251 Remove clause 6.3.1.2 Editor's Notes and clause 6.3.1 Hanging Paragraphs | Ericsson | 32.251 | 0371 | - | Rel-12 | F | CH12 | noted |
| S5-140644 | Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | 32.251 | 0372 | - | Rel-12 | B | CH12 | revised |
| S5-140753 | Rel-12 CR 32251 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | 32.251 | 0372 | 1 | Rel-12 | B | CH12 | agreed |
| S5-140677 | Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0245 | 2 | Rel-11 | F | UCHIMS-AS-SRVCC | revised |
| S5-140747 | Rel-11 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0245 | 3 | Rel-11 | F | UCHIMS-AS-SRVCC | agreed |
| S5-140678 | Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0246 | 2 | Rel-12 | F | UCHIMS-AS-SRVCC | revised |
| S5-140749 | Rel-12 CR 32.260 Correction for SRVCC PS to CS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0246 | 3 | Rel-12 | F | UCHIMS-AS-SRVCC | agreed |
| S5-140679 | Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei | 32.260 | 0247 | 2 | Rel-11 | F | UCHIMS-AS-SRVCC | revised |
| S5-140751 | Rel-11 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0247 | 3 | Rel-11 | F | UCHIMS-AS-SRVCC | agreed |
| S5-140680 | Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei | 32.260 | 0248 | 2 | Rel-12 | A | UCHIMS-AS-SRVCC | revised |
| S5-140752 | Rel-12 CR 32.260 Correction for SRVCC CS to PS transfer Flows through ATCF | China Mobile, Huawei, NSN | 32.260 | 0248 | 3 | Rel-12 | A | UCHIMS-AS-SRVCC | agreed |
| S5-140546 | Rel-11 CR 32.260 Remote Transit IOI List from IMS online charging interface | Ericsson | 32.260 | 0249 | - | Rel-11 | F | IOI\_IMS\_CH | noted |
| S5-140547 | Rel-12 CR 32.260 Remove Transit IOI List from IMS online charging inferface | Ericsson | 32.260 | 0250 | - | Rel-12 | A | IOI\_IMS\_CH | noted |
| S5-140668 | Rel-11 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | 32.260 | 0251 | - | Rel-11 | F | UCHIMS-AS-SRVCC | revised |
| S5-140745 | Rel-11 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | 32.260 | 0251 | 1 | Rel-11 | F | UCHIMS-AS-SRVCC | agreed |
| S5-140669 | Rel-12 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | 32.260 | 0252 | - | Rel-12 | F | UCHIMS-AS-SRVCC | revised |
| S5-140746 | Rel-12 CR 32.260 correction of ATCF CDR | China Mobile, Huawei | 32.260 | 0252 | 1 | Rel-12 | F | UCHIMS-AS-SRVCC | agreed |
| S5-140529 | Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251 | Allot Communications, Openet | 32.298 | 0443 | - | Rel-12 | B | ABC | revised |
| S5-140704 | Rel-12 CR 32.298 To add field definitions and make clarifications for application based charging in alignment with TS 32.251 | Allot Communications, Openet | 32.298 | 0443 | 1 | Rel-12 | B | ABC | agreed |
| S5-140539 | Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging | Allot Communications, Openet | 32.298 | 0444 | - | Rel-12 | B | ABC, P4C-F-CH\_T | revised |
| S5-140706 | Rel-12 CR 32.298 Clarifications for ASN.1 related to TDF based charging | Allot Communications, Openet | 32.298 | 0444 | 1 | Rel-12 | B | ABC, P4C-F-CH\_T | agreed |
| S5-140599 | Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description | Alcatel-Lucent, Allot Communications | 32.298 | 0445 | - | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | revised |
| S5-140710 | Rel-12 CR 32298 Introduce IPE-CDR and complete TDF-CDR description | Alcatel-Lucent, Allot Communications | 32.298 | 0445 | 1 | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | agreed |
| S5-140554 | Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0446 | - | Rel-8 | F | CH8 | revised |
| S5-140717 | Rel-8 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0446 | 1 | Rel-8 | F | CH8 | agreed |
| S5-140555 | Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0447 | - | Rel-9 | A | CH8 | revised |
| S5-140718 | Rel-9 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0447 | 1 | Rel-9 | A | CH8 | agreed |
| S5-140556 | Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0448 | - | Rel-10 | A | CH8 | revised |
| S5-140719 | Rel-10 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0448 | 1 | Rel-10 | A | CH8 | agreed |
| S5-140557 | Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0449 | - | Rel-11 | A | CH8 | revised |
| S5-140743 | Rel-11 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0449 | 1 | Rel-11 | A | CH8 | agreed |
| S5-140558 | Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0450 | - | Rel-12 | A | CH8 | revised |
| S5-140744 | Rel-12 CR 32.298 Removal of IMS charging identifier from PGW CDR | Ericsson | 32.298 | 0450 | 1 | Rel-12 | A | CH8 | agreed |
| S5-140647 | Rel-12 CR 32298 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | 32.298 | 0451 | - | Rel-12 | B | CH12 | agreed |
| S5-140561 | Rel-12 CR 32.299 Remove clause 6.3 Editor's Notes | Ericsson | 32.299 | 0582 | 1 | Rel-12 | F | CH12 | agreed |
| S5-140530 | Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251 | Allot Communications, Openet | 32.299 | 0583 | - | Rel-12 | B | ABC | revised |
| S5-140705 | Rel-12 CR 32.299 To add AVP definitions and clarifications for application based charging to align with TS 32.251 | Allot Communications, Openet | 32.299 | 0583 | 1 | Rel-12 | B | ABC | agreed |
| S5-140600 | Rel-12 CR 32299 Introduce Access Line Identifier in PS-Information for Convergent Fixed-Mobile scenario | Alcatel-Lucent, Allot Communications | 32.299 | 0584 | - | Rel-12 | B | P4C-F-CH\_P, P4C-F-CH\_T | agreed |
| S5-140645 | Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | 32.299 | 0585 | - | Rel-12 | B | CH12 | revised |
| S5-140754 | Rel-12 CR 32299 Introduce Core Network Operator selection origin for Shared Networks | Alcatel-Lucent | 32.299 | 0585 | 1 | Rel-12 | B | CH12 | agreed |
| S5-140627 | R12 CR 32.421 Introducing requirements for Network Sharing | Ericsson, TeliaSonera | 32.421 | 0072 | - | Rel-12 | C | OAM-SHARE | noted |
| S5-140540 | Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | 32.422 | 0263 | - | Rel-11 | F | OAM-ePM-UE | revised |
| S5-140726 | Rel-11 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | 32.422 | 0263 | 1 | Rel-11 | F | OAM-ePM-UE | agreed |
| S5-140541 | Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | 32.422 | 0264 | - | Rel-12 | A | OAM-ePM-UE | revised |
| S5-140727 | Rel-12 CR 32.422 Add missing MDT configuration parameters. Align with RAN specifications | NSN | 32.422 | 0264 | 1 | Rel-12 | A | OAM-ePM-UE | agreed |
| S5-140570 | CR R12 32.425 Add usage of measurements for EE | NSN | 32.425 | 0148 | - | Rel-12 | C | OAM-PM\_EE | noted |
| S5-140573 | CR R12 32.450 Add real TA size monitoring KPI | NSN | 32.450 | 0014 | - | Rel-12 | B | OAM12 | noted |
| S5-140572 | CR R12 32.451 Add real TA size monitoring KPI requirements | NSN | 32.451 | 0002 | - | Rel-12 | B | OAM12 | noted |
| S5-140580 | Rel 12 CR 32593 Fix incorrect references to section numbers | Alcatel-Lucent | 32.593 | 0010 | - | Rel-12 | D | OAM12 | revised |
| S5-140728 | Rel 12 CR 32593 Fix incorrect references to section numbers | Alcatel-Lucent | 32.593 | 0010 | 1 | Rel-12 | D | OAM12 | agreed |
| S5-140611 | CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | 32.766 | 0063 | - | Rel-10 | F | OAM10 | revised |
| S5-140732 | CR R10 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | 32.766 | 0063 | 1 | Rel-10 | F | OAM10 | agreed |
| S5-140612 | CR R11 32.766 Add the missing attribute cellResvInfo in IDL specification | ZTE | 32.766 | 0064 | - | Rel-11 | A | OAM10 | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply in |
| S5-140575 |  | Re-submitted LS from NGMN Project NGCOR to SA5 on Publication of Deliverables | NGMN NGCOR | postponed |  |
| S5-140576 |  | Resubmitted LS ETSI EE to SA5 on Cooperation for Energy Efficiency Measurements | ETSI EE | postponed |  |
| S5-140577 |  | Resubmitted LS from CT1 to SA5 on transit IOI exchange over ISC interface | C1-131748 | postponed |  |
| S5-140578 |  | LS from CT1 to SA5 on IOI in MESSAGE with SRVCC information | C1-140720 | replied to | S5-140691 |
| S5-140579 |  | Reply LS from CT3 cc SA5 on providing Charging Characteristics to TDF | C3-140408 | noted |  |
| S5-140634 |  | LS to 3GPP SA2 and SA5 on IMS (VoLTE/RCS) Roaming | GSMA RCPG | replied to | S5-140692 |
| S5-140636 |  | Reply LS from CT4 to SA5 on Charging aspects for Network Sharing (MOCN GWCN) | C4-140381 | noted |  |
| S5-140637 |  | LS from CT4 to SA5 on the IETF Diameter overload solution | C4-140420 | noted |  |
| S5-140638 |  | Reply LS from ETSI NFV to SA5 on Management of Virtualised Network | ETSI ISG NFV | noted |  |
| S5-140639 |  | Reply LS from RAN2 cc SA5 on system aspects for Small Cell Enhancement work in RAN | R2-140999 | noted |  |
| S5-140640 |  | Reply LS from RAN3 cc SA5 on ULI reporting enhancements | R3-140376 | noted |  |
| S5-140641 |  | LS from RAN3 to SA5 on Rel.11 SON enhancements | R3-140464 | postponed |  |
| S5-140642 |  | Reply LS from RAN3 cc SA5 on system aspects for Small Cell Enhancement work in RAN | R3-140486 | noted |  |
| S5-140643 |  | LS from SA1 to SA5 on ECT Assured Transfer description in MMTel | S1-140291 | noted |  |
| S5-140649 |  | Reply LS from SA2 to SA5 on providing parameters to TDF | S2-140467 | noted |  |
| S5-140650 |  | LS from SA2 to SA5 on Gy interface for EPC Roaming LBO scenario | S2-140472 | noted |  |
| S5-140651 |  | LS from SA2 to SA5 on ProSe charging | S2-140519 | noted |  |
| S5-140652 |  | LS from SA2 cc SA5 on system aspects for Small Cell Enhancement work in RAN | S2-140537 | noted |  |
| S5-140653 |  | LS from SA2 cc SA5 on Maintenance of I-WLAN Solution | S2-140554 | noted |  |
| S5-140654 |  | Reply LS from SA cc SA5 on Maintenance of I-WLAN Solution | SP-140149 | postponed |  |
| S5-140655 |  | LS from ITU JCA-SDN to SA5 on SDN standardization activity map | ITU JCA SDN | postponed |  |
| S5-140720 |  | LS from SA cc SA5 on 3GPP activities on Network Functions Virtualisation | SP-140160 | noted |  |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-140691 | Reply LS to CT1 on IOI in MESSAGE with SRVCC information | CT1 | CT3 | S5-140578 |
| S5-140692 | LSout RCPG LS on IMS (VoLTE/RCS) Roaming | GSMA RCPG | - | S5-140634 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-140693 | New Work Item with Study phase on Inter-PLMN Gy Reference Point | Alcatel-Lucent | new WID |
| S5-140755 | WID for Proximity-based Services Charging aspects | Qualcomm Incorporated | new WID |
| S5-140777 | Update of WID Compliance to NGMN NGCOR Requirements | Huawei | revised WID |

## Annex E: List of action items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Meeting/Number | Agenda item | Document | Details | Responsible | Due by |
| 94/2 | 5.2 | S5-140688 | All companies to think about the options that ETSI offers for having editable UML diagrams | All | 2014-05-16 |

##

## Annex F: List of participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Representing | Status-Partner | Ctry |
| Al-kanani, Hassan (Dr.) | NEC EUROPE LTD | 3GPPMEMBER (ETSI) | GB |
| Andrianov, Anatoly (Mr.) | NSN | 3GPPMEMBER (ETSI) | US |
| Berggren, Tommy (Mr.) | TeliaSonera AB | 3GPPMEMBER (ETSI) | SE |
| Bizzarri, Simone (Mr.) | TELECOM ITALIA S.p.A. | 3GPPMEMBER (ETSI) | IT |
| Cano Soveri, Mirko (Mr.) | ETSI | 3GPPORG\_REP (ETSI) | FR |
| Chen, Ai (Ms.) | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) | CN |
| Cheng, Hong (Mr.) | Qualcomm Incorporated | 3GPPMEMBER (ATIS) | US |
| Chou, Joey (Mr.) | Intel Corporation (UK) Ltd | 3GPPMEMBER (ETSI) | US |
| Cornily, Jean Michel (Mr.) | Orange Spain | 3GPPMEMBER (ETSI) | FR |
| Fitzpatrick, John (Dr.) | Openet Telecom | 3GPPMEMBER (ETSI) |   |
| Gardella, Maryse (Mrs.) | Alcatel-Lucent Telecom Ltd | 3GPPMEMBER (ETSI) | FR |
| Goermer, Gerald (Mr.) | NSN | 3GPPMEMBER (ETSI) | DE |
| Hédé, Patrice (Mr.) | Huawei Technologies (UK) | 3GPPMEMBER (ETSI) | FR |
| Heskin, Eamon (Mr.) | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) | NL |
| Hubinette, Ulf (Mr.) | Ericsson | 3GPPMEMBER (ETSI) | SE |
| Huo, Xiaoning (Mr.) | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |   |
| Li, Gang (Mr.) | Nanjing Ericsson Panda Com Ltd | 3GPPMEMBER (CCSA) | CN |
| Li, Hui (Mr.) | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) | CN |
| Li, Jian (Mr.) | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) | CN |
| Libunao, Gerardo (Mr.) | Verizon UK Ltd | 3GPPMEMBER (ETSI) |   |
| Petersen, Robert (Mr.) | Ericsson Japan K.K. | 3GPPMEMBER (ARIB) | SE |
| Pollakowski, Olaf (Dr.) | NSN | 3GPPMEMBER (ETSI) | DE |
| Schnell, Christof (Ing.) | Vodafone GmbH | 3GPPMEMBER (ETSI) | DE |
| Shimor, Avraham (Mr.) | SANDISK CORPORATION | 3GPPMEMBER (ETSI) | IL |
| Shrader, David (Mr.) | Ericsson Inc. | 3GPPMEMBER (ATIS) | US |
| Sofuoglu, Serkan (Mr.) | PIWorks | 3GPPMEMBER (ETSI) | TR |
| Stanek, George (Mr.) | AT&T | 3GPPMEMBER (ATIS) | US |
| Sudarsan, Padma (Ms.) | Alcatel-Lucent | 3GPPMEMBER (ATIS) | US |
| Toche, Christian (Mr.) | Huawei Technologies (UK) | 3GPPMEMBER (ETSI) | FR |
| Tovinger, Thomas (Mr.) | Ericsson | 3GPPMEMBER (ETSI) | SE |
| Tse, Edwin (Mr.) | Ericsson Inc. | 3GPPMEMBER (ATIS) | CA |
| Yanover, Vladimir (Dr.) | Cisco Systems Belgium | 3GPPMEMBER (ETSI) | IL |
| Yao, Yizhi (Mr.) | NSN | 3GPPMEMBER (ETSI) | CN |
| Zhang, Kai (Mr.) | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) | CN |
| Zhu, Weihong (Mr.) | ZTE Corporation | 3GPPMEMBER (CCSA) | CN |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| 3GPPSA5#94-bis on Converged Ma | 15/04/2014 09:00:00 | 17/04/2014 17:30:00 | Issy-les-Moulineaux | FR | S5-ah-31409 |
| 3GPPSA5#94-BIS Charging | 15/04/2014 09:00:00 | 16/04/2014 17:30:00 | Issy-les-Moulineaux | FR | S5-ah-31411 |
| 3GPPSA5#95 | 12/05/2014 09:00:00 | 16/05/2014 17:30:00 | Sapporo | JP | S5-95 |
| 3GPPSA5#96 | 18/08/2014 09:00:00 | 22/08/2014 17:30:00 | Sophia Antipolis | FR | S5-96 |
| 3GPPSA5#97 | 20/10/2014 09:00:00 | 24/10/2014 17:30:00 | Venice | IT | S5-97 |
| 3GPPSA5#98 | 17/11/2014 09:00:00 | 21/11/2014 17:30:00 | San Francisco | US | S5-98 |
| 3GPPSA5#99 | 02/02/2015 09:00:00 | 06/02/2015 17:30:00 | Taipei (TBC) | TW | S5-99 |
| 3GPPSA5#100 | 13/04/2015 09:00:00 | 17/04/2015 17:30:00 | Dubrovnik | HR | S5-100 |
| 3GPPSA5#101 | 18/05/2015 09:00:00 | 22/05/2015 17:30:00 | Istanbul | TK | S5-101 |
| 3GPPSA5#102 | 24/08/2015 09:00:00 | 28/08/2015 17:30:00 | China | CN | S5-102 |
| 3GPPSA5-Multi-SDO JWG meetings | 25/08/2015 09:00:00 | 27/08/2015 17:30:00 | Sophia Antipolis | FR | S5-ah-31412 |
| 3GPPSA5#103 | 12/10/2015 09:00:00 | 16/10/2015 17:30:00 |  |  | S5-103 |
| 3GPPSA5#104 | 16/11/2015 09:00:00 | 20/11/2015 17:30:00 | US | US | S5-104 |

Annexes to report prepared by: Mirko Cano Soveri