

Status Report RAN WG6 to TSG-RAN #84

RAN6 Chair:

Juergen Hofmann (NOKIA)

RAN6 Secretary:

Paolino Usai (ETSI MCC)

A GLOBAL INITIATIVE

Meetings held since RAN #83 plenary

RAN6 #12	25 March – 25 April, 2019	Electronic Agreement Meeting incl. Decision Teleconference (25 April)	Online
RAN #84	3 – 6 June, 2019	Newport Beach, USA	NAF3

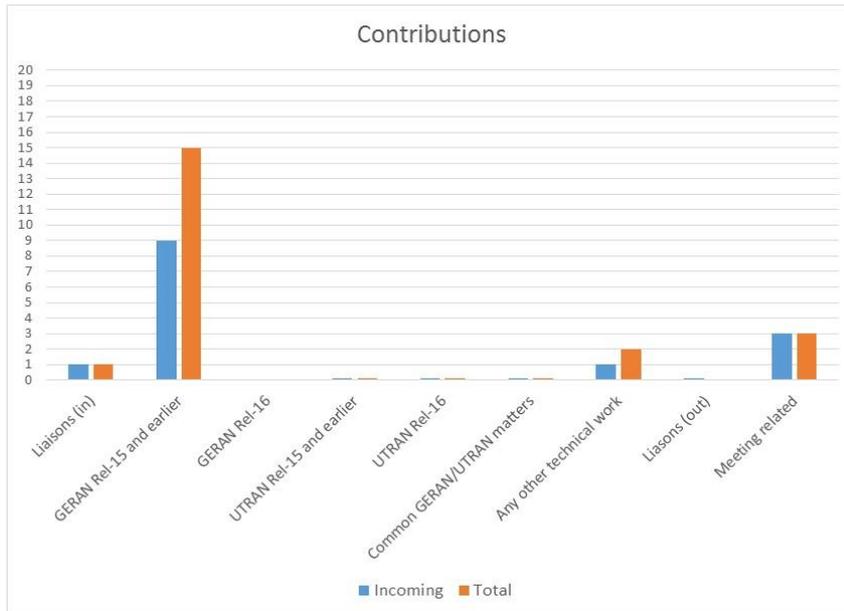
RAN6 #12 Meeting Arrangement

RAN6 #12 was held 3rd time as electronic agreement meeting as decided by RAN #81 with following arrangement:

-  A. RAN6 reflector submission and commenting (25 March – 19 April 2019)
 - 1) Submission of contributions to 3GU and RAN6 reflector (25 March - 12 April, 21.00 CEST)
 - 2) Submission of revised contributions to 3GU and RAN6 reflector (25 March - 19 April, 21.00 CEST)
 - 3) Commenting contributions on RAN6 reflector (8 - 19 April, 21.00 CEST)
-  B. RAN6 #12 Decision Teleconference (25 April 2019, 16.00 – 17.20 CEST)

RAN6 #12 Statistics

Number of contributions and agreed CRs



Incoming: 14 (w/o revisions) Total: 21

Total agreed CRs: 3

Number of participants attending RAN6 #12 Decision Teleconference: 6 (registered: 11)

Executive Summary

- 📶 In total 3 CRs to GERAN specs agreed, none to UTRAN specs
- 📶 General matters: RAN6 meeting dates in 2020 to be agreed at RAN6 #13 (p. 5)
- 📶 Liaisons: one incoming LS and no outgoing LS (p. 5)
 - on the definition of KPI targets for mobile networks, from TSG RAN.
- 📶 GERAN technical work (p. 6-7)
 - Rel-11+: Discussion on modified redirection to E-UTRAN bands with extended EARFCN started. CRs postponed to RAN6 #13.
 - Rel-13: 1 essential correction for CloT_EC_GSM agreed (with Rel-14/Rel-15 mirrors).
 - Rel-14 to Rel-16: no contributions.
- 📶 UTRAN technical work (p. 8)
 - Rel-13 to Rel-16: no contributions.
- 📶 Common GERAN/UTRAN matters (p. 8)
 - No contributions.
- 📶 Transfer of rapporteur responsibilities for UTRAN and GERAN specs (p. 9)
 - Several updated assignments based on Chairman's input.
 - Work targeted for completion at RAN6 #13.
- 📶 RAN6 work plan updated to reflect RAN6's secondary responsibility for WI on SRVCC from 5G to 3G (p. 9)
- 📶 List of agreed CRs for block approval at RAN #84 is found in [RP-190789](#).

General Matters/Agenda/RAN6 #11 Report



- 📶 Agenda for RAN6 #12 Electronic Agreement Meeting approved in [R6-190033](#)
 - It includes guidance for submitting, revising and commenting contributions.
 - RAN6 #12 Commenting Period
 - Comments were made on the RAN6 reflector related to contribution [R6-190035](#) on the redirection to E-UTRAN bands > 64 and to companion CRs.
 - Revised concept paper in [R6-190047](#) and 5 revised CRs in [R6-190048](#) to [R6-190052](#) were submitted.
- 📶 Report of RAN6 #11 approved in [R6-190046](#)
- 📶 RAN6 meetings in 2020
 - Chairman will provide proposed meeting dates in 2020 to next RAN6 #13 meeting (15 July - 8 August, 2019), subject to be approved by RAN #85 (Sept '19).

Liaisons

- 📶 1 incoming LS was treated in [R6-190034](#) LS in reply to LS on Draft new Recommendation E.RQST – “KPI targets for mobile networks” (From TSG RAN; To: TSG SA, Cc: SA5, RAN1, RAN6)
 - The LS, for information to RAN6, was sent from RAN #83 to SA #83 in order to provide a coordinated 3GPP reply to ITU-T SG12 on the matter to define KPI targets for mobile networks. LS is noted.
- 📶 No outgoing LS were sent.

CRs to features in Rel-15 or earlier (GERAN) (1/2)

Redirection to E-UTRAN bands with extended EARFCN (Rel-11+)

Redirection to E-UTRAN bands > 64, [R6-190035](#)

- Use of individual priorities for redirection to E-UTRAN bands > 64, as specified from Rel-11, should be clarified in TS 44.018 and the case of configuring/modifying individual priorities without redirection to E-UTRAN for these bands should be allowed.
- Proposed solution: The network shall use 'Cell Selection Indicator after release of all TCH and SDCCH' IE with EARFCN set to value 65535 to redirect a UE to an EARFCN from E-UTRAN band > 64 included in Individual Priorities IE.
- Comments on RAN6 reflector: valid issue, clarification of use case needed, UE implementation impact, operator and chipset vendor view, need for backward compatibility analysis
- Contribution revised into [R6-190047](#) adding the interoperability analysis.
- Comments during Decision Teleconference: increased flexibility for sending redirection command w or w/o individual priorities, impact on UE power consumption to be checked, starting release could be Rel-11 or Rel-14. Proposed solution seen as one candidate.
- Conclusion: Noted. Further feedback from operators and UE vendors needed. Further consideration on the initial release for this change needed. Comment on UE power consumption impact to be elaborated. Discussion on RAN6 reflector to enable a decision at RAN6 #13.

CR 44.018 Corrections for redirections to E-UTRA bands > 64 in [R6-190048](#) (Rel-11) and mirrors up to Rel-15 in [R6-190049/50/51/52](#) thus postponed.

CRs to features in Rel-15 or earlier (GERAN) (2/2)

CIoT_EC_GSM, Core aspects (Rel-13+)

-  CR 45.008 Fixed value for forgetting factor in EC-GSM-IoT (Rel-13) agreed in [R6-190041](#) with mirrors in [R6-190042](#) (Rel-14) and [R6-190043](#) (Rel-15)
 - Essential correction fixing the forgetting factor $e = 0.25$ for EC-GSM-IoT used for BEP reporting.

CRs for Approval

-  The agreed CRs are collected in [RP-190852](#)* for block approval at RAN #84.

Rel-16 features (GERAN)

No contributions.

* It is noted the TDoc header has few formal errors and no revision is foreseen.

CRs to features in Rel-15 or earlier (UTRAN)

No contributions.

Rel-16 features (UTRAN)

No contributions.

Common GERAN / UTRAN matters

No contributions.

Other Technical Work

Transfer of rapporteur responsibilities for UMTS 25.xxx specifications and GERAN 4x.xxx and 5x.xxx specifications

- Further progress reached, as the Chairman provided an update on specification rapporteurs based on received feedback in [R6-190044](#), revised and agreed in [R6-190053](#).
 - For prioritized TS's (according to agreement at RAN6 #6), the update is complete, for remaining TS's the update is majorly done and for TR's the update is still minor. Further update and completion of this effort is planned for RAN6 #13.

Work Plan

- Active work / study items:
 - WI SRVCC from 5G to 3G (Rel-16) related to stage 2 work in TS 25.300.
- RAN6 work plan updated: [R6-190045](#)

RAN WG6 Schedule (2019)

Meeting	Location
RAN6 #11 7 th Jan: incoming preferred LS arrival, last arrival: 1 st February 7 th Jan – 25 th Jan, 21.00 CET: submission period (new Tdocs) 7 th Jan – 1 st Feb, 21.00 CET: submission period (revisions) 21 st Jan – 1 st Feb, 21.00 CET: commenting period Mon, 4 th Feb 16.00 CET: RAN6 #11 Decision Teleconference	Online
RAN#83: 18 – 21 March 2019	Shenzhen, China
RAN6 #12 25 th March: incoming preferred LS arrival, last arrival: 19 th April 25 th March – 12 th Apr, 21.00 CEST: submission period (new Tdocs) 25 th March – 19 th Apr, 21.00 CEST: submission period (revisions) 8 th – 19 th Apr, 21.00 CEST: commenting period Thu, 25 th Apr 16.00 CEST: RAN6 #12 Decision Teleconference	Online
RAN#84: 3 – 6 June 2019	Newport Beach California, USA
RAN6 #13 15 th July: incoming preferred LS arrival, last arrival: 7 th August 15 th Jul – 2 nd Aug, 21.00 CEST: submission period (new Tdocs) 15 th Jul – 7 th Aug, 21.00 CEST: submission period (revisions) 29 th Jul – 7 th Aug, 21.00 CEST: commenting period Thu, 8 th Aug 16.00 CEST: RAN6 #13 Decision Teleconference	Online
RAN#85: 16 – 19 Sept 2019	Newport Beach California, USA
RAN6 #14 30 th Sept: incoming preferred LS arrival, last arrival: 25 th Oct 30 th Sept – 18 th Oct, 21.00 CEST: submission period (new Tdocs) 30 th Sept – 25 th Oct, 21.00 CEST: submission period (revisions) 14 th – 25 th Oct, 21.00 CEST: commenting period Mon, 28 th Oct 16.00 CET: RAN6 #14 Decision Teleconference	Online
RAN#86: 9 – 12 Dec 2019	Sitges, Spain

Concluding Remarks

- 📶 A special thanks to Paolo Usai (ETSI MCC) for his efficient secretary support.
- 📶 Thanks to all delegates for their hard work.