3GPP TSG-RAN WG3 Meeting #119bis-e R3-232051

Electronic meeting, 17 Apr – 26 Apr, 2023

**Title: Reply LS on introduction of a new attribute "Only Resource Coordination" to support source coordination between LTE and NR SA**

**Response to: S5-233142**

**Release: Rel-18**

**Work Item: NR\_ENDC\_SON\_MDT\_enh2-Core**

Source: RAN3

**To: SA5**

**Cc:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:**

# 1 Overall description

RAN3 thanks SA5 for the LS in S5-233142.

In the LS, SA5 says:

*SA5 understands that it is beneficial to use an EN-DC X2 interface only for coordination of resources between E-UTRA cells and NR cells controlled by different RAN nodes.*

*In order to maintain the consistency of the attributes of the NRCellRelation IOC in TS 28.541 with the definitions of RAN3, SA5 requires more detailed information about the usage and semantics of this new attribute, i.e., use case that motivates this attribute, which network function is supposed to set this attribute (e.g. by the neighboring eNB/gNB via X2, or by human operator via OAM, in gNB or eNB), the effect of this attribute on the system once it was set.*

*SA5 will take the response from RAN3 into account to specify the attribute requested by RAN3 if needed.*

RAN3 would like to clarify the use case and the effect of the new attribute “Only Resource Coordination” as following.

The attribute is motivated by the need to coordinate resources between co-channel sharing E-UTRA and NR cells, where E-UTRA cells are served by an eNB (E-UTRAN) in one site and NR cells are served by an gNB (NG-RAN) and an en-gNB(E-UTRAN) collocated at a different site. Under this deployment scenario, the assumption made by RAN3 is that the X2: E-UTRA – NR Cell Resource Coordination procedure can lead to resource coordination between E-UTRAN cells of the eNB and NR cells of the en-gNB and that, by means of implementation, the gNB co-located with the en-gNB would also be able to coordinate its resources with the E-UTRAN cells.

This new attribute is set by the OAM system at the eNB and at the en-gNB. In case of split RAN architecture, the attribute should be set at the CU-CP node of each of the eNB and en-gNB terminating the EN-DC X2 interface. Whether this is the consequence of manual configuration or an automated configuration is out of RAN3 scope.If the “Resource Coordination Only” attribute is checked, the eNB and en-gNB between which the EN-DC X2 interface is established shall use the X2 interface instance only to run basic procedures, e.g. EN-DC X2 Setup, and to coordinate resources between the E-UTRA cell and the NR cell. No more effects on the system were foreseen by RAN3.

# 2 Actions

**To** SA5

**ACTION:** RAN3 kindly asks SA5 to take above feedbacks into account and introduce in their specification a new attribute in the NCRT.

# 3 Dates of next RAN3 meetings

Updated meeting schedule can be found at: <https://portal.3gpp.org/?tbid=373&SubTB=381#/>

RAN3#120 2023-05-22 - 2023-05-26 Korea, KR

RAN3#121 2023-08-21 - 2023-08-25 Toulouse , FR