3GPP TSG-RAN WG3 Meeting #128 R3-253803

Malta, MT, 19 – 23 May, 2025

**Title: [DRAFT] Reply LS on on Ambient IoT progress of RAN3 on OAM requirements**

**Response to: LS S5-251771 on Reply LS on Ambient IoT progress of RAN3 from SA5**

**Release: Release-19**

**Work Item: AdNRM\_Ph3, Ambient\_IoT\_solutions**

Source: Huawei [to be RAN3]

**To:** **SA5, SA2**

**Cc:**

**Contact person: Yan Wang**

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

**Attachments:** **N/A**

# 1 Overall description

RAN3 thanks SA5 on the reply LS on Ambient IoT progress of RAN3.

RAN3 would like to provide the following OAM requirements:

* Existing NGAP interface management procedures are used. to initiated the NG Setup, a gNB needs to be configured with the peer node(s), i.e., AIOTF(s) in case of direct connectivity, or AMF(s) in case of indirect connectivity.
* The AIOTF is aware of the supported “A-IoT Areas” of a gNB via OAM.
	+ A new A-IoT Area is represented by an A-IoT Area ID
	+ A-IoT Area ID = PLMN ID +NID (optional) + A-IoT Area Code (OCTET STRING (SIZE(3)))
* The AIOTF is also aware of the served Reader list of a gNB via OAM.
	+ Each Reader is uniquely identified globally by “Global gNB ID + Reader Index”.
	+ The Reader Index is defined as INTEGER (1..65536, …).
* The AIOTF may be aware of the location of reader via OAM configuration.
	+ The details of the Reader Location are out the scope of RAN3**.**
* OAM configures in the AIOTF the mapping relationships among gNBs, readers and A-IoT areas, as needed.

# 2 Actions

**To SA5, SA2**

**ACTION:** RAN3 kindly asks SA5 and SA2 to take the above information into account for their Rel-19 work.

# 3 Dates of next RAN3 meetings

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

RAN3#129 2025-08-25 - 2025-08-29 Bangalore, IN

RAN3#129-bis 2025-10-13 - 2025-10-17 Prague, CZ

RAN3#130 2025-11-17 - 2025-11-21 Dallas, US