**3GPP TSG-RAN WG2 Meeting #127bis R2-240xxxx**

**Hefei, China, 14 - 18 October, 2024**

**Title: LS on assistance information from the CN to the Reader for A-IoT**

**Response to:**

**Release: Rel-19**

**Work Item: FS\_Ambient\_IoT\_solutions**

**Source: [to be] RAN2**

**To: SA2**

**Cc:**

**Contact Person:**

 **Name:** Eswar Vutukuri

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

**Attachments:** **-**

**1. Overall Description:**

As part of the A-IoT study item, RAN2 made the following agreements with regards to the assistance information from CN to the reader:

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| --- |
| Agreements related to D2R message size:* From RAN2 perspective, it is beneficial for the reader to know an estimate of expected D2R message size. Two options can be captured: 1) from the CN and 2) from the device (simple message size indication).
* The D2R message size would be beneficial but it is not essential.
* Ask SA2 if it is possible to provide the expected (e.g. approximate, estimate, exact, max) future response D2R message size. Is it always available, sometimes, or never.

Other agreements related to the information from CN useful to the reader:* At least the following information is considered useful to be visible to the reader from CN

- The service type of A-IoT (e.g. inventory, command) . FFS if more information on command type (e.g. read/write/disable) is useful- targeted for one or more than one devices;- approximate number of target devices (if available).  |

As noted above, RAN2 would like to know if it is feasible for the CN to provide an estimate of the expected size of the following D2R message(s) in response to the service request (e.g., command request). RAN2 also agreed that knowledge of such information at the reader is beneficial but is not essential and hence a reply to this LS with the above information by November is not urgent for completion of the study.

If the CN can provide the expected (e.g. approximate/estimate/exact/max) D2R message size, RAN2 would also like to know whether such information can be provided by the CN only in some cases or in all cases.

Based on the above, RAN2 kindly requests SA2 to answer the following questions:

Q1: Can the CN provide, to the reader, an estimate of the expected size of the following D2R message(s) in response to the service request?

Q2: If such information (see Q1) can be provided by CN to the reader, can it be provided only in some cases or in all cases?

Q3: Can the CN provide, to the reader, the service type of A-IoT (e.g. inventory, command), whether the service is targeted for one or more than one devices, and approximate number of target A-IoT devices (if available)?

**2. Actions:**

**To SA2:**

**ACTION:** RAN2 respectfully asks SA2 to take the above information into account, provide any relevant feedback and answer the questions above.

**3. Date of Next RAN2 Meetings:**

RAN2#128 18th – 22nd November 2024 Orlando, US

RAN2#129 17th – 21st February 2025 Athens, Greece