

RAN4 AAS WORK IN RELEASE 13

RP-140790

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- › Release 12 summary
- › Release 13 options
- › Way forward

RELEASE 12 SUMMARY



- › To achieve a complete and adequate AAS specification, release 12 must achieve the following:
 - An EIRP accuracy requirement
 - An over the air receiver sensitivity requirement
 - A full set of conducted requirements appropriate for AAS issues
 - A strategy for addressing the issue of cross transceiver coupling
 - A conformance test specification capturing appropriate test methodologies and requirements

RELEASE 13



- › The release 12 specifications will provide a set of requirements for first generation AAS
- › However they will not address some issues that have been raised during the work so far:
 - How to set a requirements framework for large arrays that do not have antenna connectors
 - The need to provide antenna connectors will become a cost and performance driver for some array types
- › Capturing other aspects of the radiated beam than EIRP
 - E.g. sidelobes etc.
 - This is likely to be difficult to do in an implementation and application independent manner
- › In RAN4, the possibility of leaving MB-MSR out of release 12 and addressing it in release 13 has been raised

WAY FORWARD

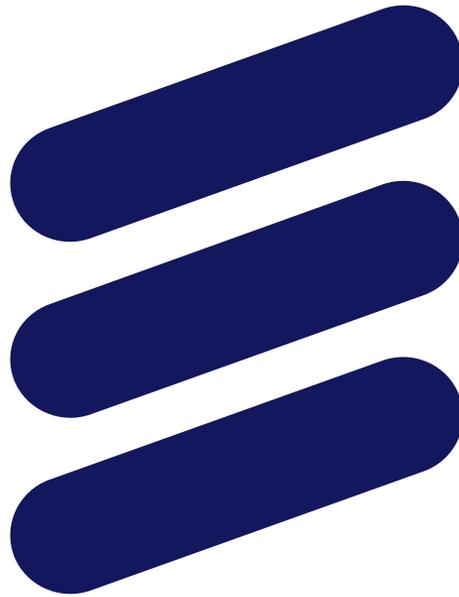


- › AAS is a new paradigm to 3GPP. Due to the complexity and time needed for the subject, focus is required in future work
- › Discussion and consensus is required on where to focus with release 13 work. Sufficient time is needed to conclude the discussion and draft a focused WID
- › Ericsson hereby starts this discussion and proposes to collate views on the preferred way forward in order to put together a good scope for the release 13 AAS work

REFERENCES



- › [1] R4-143455, “On moving forward with AAS in the next release”, RAN4#71, Ericsson
- › [2] R4-143465, “Example of a WID for release 13”, RAN4#71, Ericsson



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