

Agenda Item:

Source: T-Mobil

Title: Measurement Report

Document for: Approval

We propose to include a response message on the common measurement report. The reason is that otherwise (at least in case of an event triggered report) no network element is able to detect a loss of the Measurement Report.

In case of event triggered report two reports with the same Measurement Id can arise (nearly) at the same time at the RNC. So there must be a hint in the response message which report was meant. In order not to include an additional parameter in the report itself we propose to take the message discriminator as the report Id.

Not to have a too high signalling load on the NBAP interface it makes no sense to transmit a response on every report. One solution could be that it's indicated in the Measurement Initiation Request if a Report Response is needed or not. So only if an operator has the feeling that he will have a very important report (e. g. same report of the same time from some 100 Node B's or some special event reports) he can ask for a response.

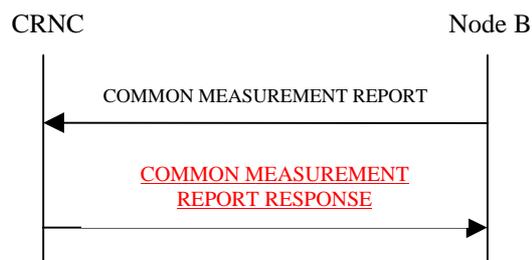
Therefore the following changes in 25.433 are proposed.

8.1.4.1 + 9.1.18 Common Measurement Initiation Request

Within the subchapter „Report Characteristics“ it should be indicated whether a report response is needed or not.

8.1.4.4 Measurement Report

To report a previously requested measurement, Node B uses the following procedure:



Measurement Report Procedure

The COMMON MEASUREMENT REPORT message includes the following information:

- **Measurement Id:** This is the same id that was used in the request.
- **Time Reference:** This is a time reference showing the time of the measurement. *The accuracy of this is FFS.*
- **Value**

The possibilities for including several values and/or several measurements in the same report are FFS.

The COMMON MEASUREMENT REPORT RESPONSE includes the following information:

• **Measurement Id:** This is the same Id that was used in the report

ø Report Id: This is the value of the message discriminator from the report.

9.1.243 COMMON MEASUREMENT REPORT

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Transaction ID		<u>M</u>
Measurement ID ¹		M
Time Reference		O
Value		M

9.1.25 COMMON MEASUREMENT REPORT RESPONSE

<u>Information Element</u>	<u>Reference</u>	<u>Type</u>
<u>Message Discriminator</u>		<u>M</u>
<u>Message Type</u>		<u>M</u>
<u>Transaction ID</u>		<u>M</u>
<u>Report Id</u>		<u>M</u>
<u>Measurement ID²</u>		<u>M</u>

¹ This is the same measurement ID as that sent in Request message

² This is the same measurement ID as that sent in Request message.