

TSG CORRESPONDENCE

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**Object: Questions regarding 3GPP SA5 Specifications**

Dear Mr. Truss,

As you are aware, 3GPP2 TSG-S WG5 is currently developing 3GPP2 S.S0093 v2.0 that includes 3GPP2 measurement types using 3GPP measurement definition template. During this process, 3GPP2 TSG-S WG5 came across a number of aspects of concerns, which are listed below.

1. *Performance Management Namespaces*

3GPP2 TSG-S WG5 is concerned about the uniqueness of performance measurement names between 3GPP, 3GPP2 and vendor-specific performance measurement names. Currently, there are no rules for defining vendor-specific performance names. Vendors may choose performance measurement names that inadvertently match 3GPP and 3GPP2 performance measurement names. (We have seen this occur when bringing in performance measurements from outside specifications and where the behavior may need to be adjusted to conform to 3GPP and 3GPP2 procedures.)

3GPP2 TSG-S WG5 needs to define performance measurements that are not defined in 3GPP SA5. However, 3GPP2 would prefer to reuse the same performance measurement names defined in 3GPP when the same performance measurement is defined on a network element shared between 3GPP and 3GPP2.

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3GPP2 TSG-S WG5 recommends that the following be added to 3GPP R6 specifications:

- All 3GPP defined performance measurement names are pre-pended with a 3GPP measurement family name (e.g., RAB.SuccEstabCSNoQueuing.Conv).
- All vendor-defined performance measurement names may not start with 3GPP measurement family names.

In addition, 3GPP and 3GPP2 need to define a combined set of restricted measurement family names. 3GPP2 currently uses the following measurement family names:

- GRE (measurements related to Generic Router Encapsulation)
- HO (measurements related to Handover)
- IP (measurements related to Simple IP protocol)
- IRATHO (measurements related to Inter-Radio Access Technology Handover)
- MIB (measurements from IETF)
- MIP (measurements related to Mobile IP protocol)
- MM (measurements related to Mobility Management)
- MMS (measurements related to Multimedia Messaging Services)
- PPP (measurements related to Point-to-Point Protocol)
- RAD (measurements related to RADIUS protocol)
- RP (measurements related to Radio-Packet protocol)
- RRC (measurements related to Radio Resource Control)
- SEC (measurements related to Security)
- SIP (measurements related to Session Initiation Protocol)
- SM (measurements related to Session Management)
- SUB (measurements related to Subscriber Management)

## 2. Measurement Specification Versions in 3GPP TS 32.401

Currently the parameter fileFormatVersion of the measurement report file in 3GPP TS32 401 specifies only the file format version of 3GPP TS32 401. 3GPP2 sees the need to add the measurement specification versions in the PM files. This allows both 3GPP and 3GPP2 (and potentially vendors) to specify where the performance measurements are defined. We have found that many of the 3GPP2 measurement names and their definitions have often changed between specification releases (as has also occurred with 3GPP). 3GPP2 TSG-S WG5 proposes that 3GPP SA5 adds in R6 a new optional parameter called measSpecVersion that may contain one or more pairs of values specifying measurement specification and version.

## 3. locationName in managementNode

3GPP2 TSG-S WG5 recommends changing the qualifier of locationName attribute in ManagementNode IOC and ManagedElement IOC from R to R/W in 3GPP R6.

4. getNRMIRPVersion

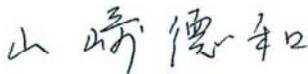
In the 3GPP TS 32.662 specification, getNRMIRPVersion defines the versionNumberList parameter for 3GPP NRMs and defines the vSEVersionNumberList parameter for vendor-specific NRMs. This currently means that 3GPP2 NRMs need to be reported in the vSEVersionNumberList parameter. 3GPP2 TSG-S WG5 recommends that 3GPP SA5 update R5 and later 3GPP TS 32.662 to allow 3GPP2 NRMs to be included in the versionNumberList parameter. This will allow 3GPP2 versions to not be treated the same as vendor specific extensions.

5. Performance measurement causes statement

3GPP TS 32.403 currently states the following: “Standard failure causes will be a number (e.g. RRC.ConnEstab.1). Vendor-specific failure causes should be a string (e.g. RRC.ConnEstab.NoReply)”. Neither 3GPP nor 3GPP2 are following this. As an example the Status code for MMS measurements are defined as strings instead of numbers as defined in the 3GPP TS 23.140. 3GPP2 TSG-S WG5 recommends the removal of this statement. This allows using either numbers or strings depending on the particular network references.

3GPP2 TSG-S would appreciate consideration of these aspects of concern and welcome further discussions. If you have additional questions, please contact: Said Soulhi ([said.soulhi@ericsson.ca](mailto:said.soulhi@ericsson.ca)).

Regards,



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