

TSG CORRESPONDENCE

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Mr. Christian Toche
3GPP SA5 Chairman
Huawei Technologies OSS Standards;
450 Jinyu Road,
Pudong, Shanghai, 201206, P.R.C.
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RE: A Number Of 3GPP SA5 R7 Items

Dear Mr. Toche,

First, 3GPP2 TSG-S WG5 would like to thank 3GPP SA5 for the opportunity to attend the 3GPP SA5 meeting in Orlando, Florida and present our code generation tools. We would welcome future opportunities for our two organizations to get together.

We also have a number of liaison topics:

1. Use of Manager Reference

In 3GPP SA5 interfaces, the manager reference needs to be considered a private attribute between an IRP manager and an IRP agent. Once a manager's manager reference is discovered, the notifications a manager receives can silently be changed by a nefarious system. Two new 3GPP SA5 R7 specifications, Partial Suspension Of Itf-N IRP (38X series) and Delta Synchronization (39X series), include the manager reference value as part of notifications that can be sent to any system that accepts those type of notifications or that can access log records. 3GPP2 TSG-S WG5 asks 3GPP SA5 to remove the private manager reference information from any notifications due to potential security violations.

2. PM Granularity Periods

There appears to be two different possible sets of granularity periods. 3GPP R7 TS 32.401 specifies granularity periods of 5 minutes, 15 minutes, 30 minutes and an hour. 3GPP R7 TS 32.41X specifies granularity periods of 5 minutes, 15 minutes, 30 minutes, an hour, 12 hours and 24 hours. Could you explain which are the allowed PM collection granularity periods?

3GPP2 TSG-S WG5 is concerned about the addition of 12 hour and 24 hour granularity periods. This requires 3GPP2 TSG-S WG5 to re-evaluate all of its performance measurement containers. In general, any performance measurement that calculates large values, such as the number of bytes sent and the

number of calls made, has to be switched from a long value to a real value, due to the potential overflow of a long value. This results in lost data, due to round-off of the real value. Each of your performance measurement definitions that represent integer values should be reviewed if these larger granularity periods are supported.

Note that the PM specifications do not specify what the largest integer PM count can be and what should happen if this value is exceeded. Different vendors can have different rules for how large a long can be, resulting in potential interoperability problems. Without this being specified, 3GPP2 TSG-S WG5 considers it safer to use real values instead of long values for our larger performance measurement counts.

3. Trace Management IRP

The new Trace Management IRP specifications (44X series) provide the support for the management of trace information. However, instead of being generic and supporting the management of generic trace information, it is very specific to 3GPP SA5. Only specific 3GPP SA5 objects (limited by the definition of ManagedEntity), 3GPP SA5 interfaces (limited by 3GPP SA5 R7 TS 32.443 types) and 3GPP SA5 trace definitions (only 3GPP SA5 R7 TS 32.423 trace records are supported) are supported. 3GPP2 TSG-S WG5 would like to have the capability to define trace records specific to our network elements, but is unable to reuse these specifications as currently written. 3GPP2 TSG-S WG5 asks 3GPP SA5 to reconsider using 3GPP SA5 NRM data and to allow other types of NRMs to be used (potentially including vendor specific NRMs).

Please also note that 3GPP SA5 R7 TS 32.443 TraceIRPSystem.idl is missing the trailing #endif associated with the _TRACE_IRP_SYSTEM_IDL_ #ifndef. Also, TraceIRPSystem.idl has two #include statements on the same line.

4. Delta Synchronization IRP

In 3GPP SA5 R7 TS 32.395, it is not clear how any CM data can be specified in the supplied delta synchronization specific data file XML schema for CM data. There appears to be no container for CM data. Could 3GPP SA5 explain the use of this XSD document? Similarly, it isn't clear how the container for alarm data can contain more than one alarm.

Please also note that both the deltaSynchForCMDData.xsd and deltaSynchForAlarms.xsd XSD documents are not well formed.

Can you please clarify why there is no notification for the deletion of a Delta Synchronization Point? Besides the notification of a new Delta Synchronization point in 3GPP SA5 R7 TS.32.392, it appears that there also needs to be a notification for the deletion of a Delta Synchronization point. The agent must have the capability to remove existing Delta Synchronization points as time goes on and the amount of synchronization data increases and the manager must be able to understand which Delta Synchronization points still exist.

5. partialSuspendedOfItfN

It is not clear whether the object specified in 3GPP SA5 R7 TS 32.382 should be named partialSuspendedOfItfN or partialSuspensionOfItfN (but with an initial capital P). Can this be clarified?

In addition, can the partialSuspendedOfItfN / partialSuspensionOfItfN object attributes be retrieved via Bulk CM and Basic CM? The object is defined with mandatory read qualifiers on attributes, which implies that they are accessible NRM objects. If yes, a naming attribute containing the RDN should be created with a lower case initial letter and "Id" added, since the integer partialSuspensionId is not a naming attribute.

If you have additional questions, please contact: Randy Scheer (rjscheer@alcatel-lucent.com) +1 614 367 4942.

Regards,

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