

Technical Specification Group Services and System Aspects
Meeting #10, Bangkok, Thailand, 11-14 December 2000

TSGS#10(00)0525

Source: SA WG5 Chairman
Document for: Information and Discussion
Agenda Item: 7.5.1

3GPP TSG-SA5 (Telecom Management)
Meeting #16, Tokyo, JAPAN, 27 Nov - 1 Dec 2000
Agenda item: 6, AR 9.1, CM 9.3,

SA5#16(00)0518
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Title: ITU-T SG 4 issues (WP 3/4 TMN wireless work, WP 4/4 TMN CORBA framework)

Source: SG 4 Chair (Dave Sidor, Nortel Networks)
SA5 Chairman (Albert H. Yuhan, VoiceStream Wireless)

Document for: Information and discussion

From: Dave Sidor [djsidor@nortelnetworks.com]
Sent: Sunday, November 19, 2000 7:16 AM
To: *Yuhan, Albert H.
Subject: SG 4
Albert,

At our SG 4 organization meeting last week, we discussed the possibility of a presentation and discussion of SA5 work at the January SG 4 meeting and prepared the following tentative proposal:

Date: 15 January 2001 (Monday)
Time: 1630; one hour nominally, but there is no real time limit on Monday; also depending on the discussion, further consideration of SA5 work may occur later in the week.
Audience: members of WP 3/4 which "owns" the TMN wireless work (Geoff Caryer is still Rapporteur) and WP 4/4 which "owns" the TMN CORBA framework (Lakshmi Raman is chair)

Your thoughts on this proposal are requested.

Dave

PS - Please do not share this info with SA5 until we talk in Tokyo.
Thanks

From: Yuhan, Albert
Sent: Monday, November 20, 2000 9:10 AM
To: Dave Sidor
Subject: RE: SG 4
[Dave,](#)

[The tentative schedule seems to be very fine with me.](#)

My plan is to present the following, although the material will have to be further massaged:

1) SA5's mission and mode of operation

SA5 is not missioned to produce management standard tools. SA5 is missioned to write management standards for wireless systems. In conducting this application level work, SA5 will maximally utilize any existing tools (e.g., ITU-T's CORBA framework) if they are found usable. If a tool is found not quite usable as is, SA5 will figure out and introduce appropriate extensions and will have them included in the wireless industry's management standards. As an actual user of tools, SA5 makes the best out of those tools to serve the wireless industry that it is responsible for.

2) Wireless industry's requirements as SA5 sees

SA5 sees that the following requirements must be met for a tool (like CORBA framework) to be useable for wireless management standard specification:

- a) Heightened security -- Manager/Agent cross-authentication is an essential option;
- b) Message economy -- The messages density should be maximally compact;
- c) Weak computation power on the nodes -- Non-essential bells and whistles may have to be removed to run on a small platform (like a micro base station or handset).

3) Problems (for wireless industry's use) in currently determined CORBA framework

SA5 sees the following four problems in the currently determined ITU-T's CORBA framework as it is, which makes it not quite suitable for wireless industry's use.

- *No support of coarse-grain approach of CORBA object identification*
- *Compliance condition of the CORBA framework Agent on the node*
- *No use of minimized token for value in Name-Value pair*
- *No support of secure authentication between the Manager and the Agent*

If the tool is not improved at the tool factory (ITU-T in this case), the customer (SA5 on behalf of the wireless industry) will have to add extensions in the field at the time of the tool use.

Albert H. Yuhan

VoiceStream Wireless

Network signaling and management standards

-----Original Message-----

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From: Dave Sidor [djsidor@nortelnetworks.com]
Sent: Monday, November 20, 2000 5:33 PM
To: Yuhan, Albert
Subject: Re: SG 4

Albert,

Your proposal is fine as far as it goes. I would suggest that you include an overview of the SA5 specifications approved and the future work plan and lastly if you agree some positive words about the value of exchanging documents and working together.

Thanks

Dave