
Question(s): ALL

Geneva, 13-23 May 2008

TEMPORARY DOCUMENT

Source: NGNMFG

Title: Main body of NGNMFG report to SG4

Provided below is the main body of the final NGNMFG report to ITU-T SG 4, the sponsor of the NGNMFG, as it is contained in TD595R2/G.

The proposed terms of reference for a Joint Coordination Activity on Management, which were found in Attachment 1 in TD595R2/G, have been revised and are now available in TD407R1/P

The NGN Management Specification Roadmap version 5, which was available in Attachment 2 in TD595R2/G, has been superseded by version 5.1, which is available in TD428/P.

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1. Introduction

The NGN Management Focus Group (NGNMFG) was established in September 2004 to organize and undertake a centralized approach regarding specification of NGN management related to FCAPS interfaces, in particular to support NGN Release 1. Under the provisions of ITU-T Recommendation A.7, the NGNMFG was organized under the sponsorship of SG 4 which renewed its charter in February and September 2005, June 2006, and February and September 2007. As stated in the current terms of reference, the NGNMFG is expected to provide a summary of its activities in a report to SG 4 (this document).

2. Objectives and Tasks

The general objective is to develop an implementable solution for the management of NGN services and networks. This solution will be a set of interoperable specifications, defining the management interface capabilities needed to support the ITU-T (including NGN-GSI) objectives for NGN Release 1, based on the high level requirements related or relevant to management interfaces that are contained in

- the NGN Overview (Y.2001),
- the NGN General Reference Model (Y.2011),
- the NGN Functional Requirements and Architecture specification (Y.2012)
- the NGN release 1 requirements (Y.2201)
- other requirements identified in the NGN Management Specification Roadmap.

The solution will be documented in the NGN Management Specification Roadmap.

Specific tasks for the August 2007 - May 2008 timeframe include:

- 1) Enhance and complete the NGN Management Specification Roadmap for Release 1, based on v3.3 (SG4 TD481/GEN). To that end, the NGNMFG should:
 - 1.1) Identify existing and in progress specifications available to support the management needs of Release 1 for inclusion in the Roadmap, in particular by examining the output of the organizations noted in clause 4 below.
 - 1.2) Restructure the Roadmap, according to the proposal in Annex 3 to SG4 TD481/GEN, providing a.o. a “big picture” introduction to NGN Management.
 - 1.3) Assure completeness of the Roadmap and relevance of its contents to service providers and network operators. To accomplish that, the NGNMFG will:
 - based on the requirements gathered at the SP/NO event in October 2006 and subsequent gap analysis, sponsor the completion by Q.8/4 of an additional deliverable: the NGN Management Requirements Analysis and Traceability document;
 - taking the outcome of the previous subtask into account, identify the set of missing NGN management specifications and produce a project plan, including the identification of the relevant SDOs and forums, for accomplishing the generation of these specifications;
 - actively manage the development of said specifications in the relevant SDOs and forums by closely working with them and tracking their results against the plan.

- 1.4) Identify and coordinate with the relevant organizations harmonization of "overlapping" specifications.
- 1.5) Recommend, if appropriate, to non-ITU organizations the submission of relevant specifications for consideration as, or inclusion in, ITU-T Recommendations.
- 2) Maintain and document a liaison relationship with supporting organizations, including those identified in clause 4.
- 3) Provide a high level plan for additional NGN releases.
- 4) Produce a working model to continue the development and execution of the NGN Management work plan after the NGNMFG is terminated, including the identification of areas requiring additional work or harmonization. This model should continue the successful multi-SDO/forum working process that has been nurtured by the NGNMFG.
- 5) Document the Focus Group decisions, including the NGN Management Specification Roadmap and any other recommendations regarding the tasks above, for submission to SG 4 and the other participating organizations.

3. Method of Working

The NGNMFG works mainly using electronic means (i.e. including email and teleconferences).

Participation in the NGNMFG activities requires registration. Information on how to register for the NGNMFG web/ftp site and mailing list can be found at <http://www.itu.int/ITU-T/studygroups/com04/ngn-mfg/index.html>. The web/ftp site also provides the information to access the web/ftp site documentation, including input and output documents and meeting reports. Complete details on the NGNMFG EDH working methods are found at <http://ftp3.itu.ch/ngnmfg/perm/NGNMFG-AD-001-R3-EDH-Facilities.doc>

Since it was re-chartered in September 2007, the NGNMFG has held the following 7 meetings, 6 of which consisted of a teleconference session 2 hours in length:

- 16 October 2007 – Virtual meeting #31
- 20 November 2007 – Virtual meeting #32
- 20 December 2007 - Virtual meeting #33
- 5-8 February 2008 – Meeting #34 - Geneva (4 days)
- 28 February 2008 - Virtual meeting #35
- 26 March 2008 – Virtual meeting #36
- 5 May 2008 – Virtual meeting #37

It should be noted that the last 2 days of meeting #34 was a joint meeting with Q8/4.

In addition, the NGNMFG jointly sponsored with Q 11/4 two meetings concerning Identity Management on 26 February and 25 March 2008.

Copies of the meeting reports and input and output documents are available on the NGNMFG web/ftp site.

4. Activities and Results

Since it was re-chartered in September 2007, the NGNMFG has

- Continued under the leadership identified in the terms of reference.
- Sent reports to SG 4 (this document) and other partner organizations including ITU-T SGs 2, 13, and 15, ETSI TISPAN WG8, ATIS TMOC, 3GPP SA5, 3GPP2 TSG-S WG5, TM Forum, DMTF, IETF, OASIS, MEF, the Service and Network Operations (SNO) group associated with SG 2, DSL Forum, TTC, and IEEE 802.1.
- In support of the general objective, continued to review the draft and approved Release 1 specifications received from the SG 13.
- In support of objective 1
 1. Item 1.1: Updated the NGN Management Specification Roadmap to identify additional specifications recommended to support the management of NGN functionality in Release 1 (see Attachment 2). It is recognized that the current Roadmap is still incomplete in that it does not identify a specification for each aspect of the taxonomy and in some cases proposes 2 or more specifications that need to be harmonized.
 2. Item 1.2: Restructured the Roadmap, including a “big picture” overview of NGN management, to make it more useful for providers, operators, and vendors (see Attachment 2).
 3. Item 1.3: Supported the gap analysis via the NGN Management Requirements Analysis and Traceability (RAT) document led by Q 8/4 using the NGN requirements identified by ETSI, the SP/NO event, and several other requirements specification due to the incompleteness of the RAT document, no project plan was prepared, but also see the proposal related to objective 4.
 4. Item 1.4: Monitored and updated the harmonization initiatives described in clause 7 of the Roadmap (see Attachment 2) and made recommendations as appropriate.
 5. Item 1.5: No recommendations were explicitly made, though the NGNMFG did recognize the collaboration of SG 4 and the TMF regarding SID and MTNM and the collaboration of SG 4 and ATIS TMOC regarding the security management system requirements and the functional requirements and architecture for IPTV management.
- In support of objective 2, sent liaisons to and received liaisons from partner organizations.
- In support of objective 3, no definitive plan was identified due to the proposed termination of the NGNMFG.
- In support of objective 4, the NGNMFG recommends the following plan to SG 4:
 - create a Joint Coordination Group (JCA) on Management to continue the NGNMFG’s harmonization and gap analysis activities in a broader context than NGN and couple it with project planning involving the leaders of NGNMFG’s partner organizations (see Attachment 1), and

- assign responsibility for maintaining the Roadmap to Q 8/4 which would support the JCA on Management.

- In support of objective 5, produced meeting reports and this report to SG 4.

5. Membership

As of 6 May 2008, there were 278 individuals subscribed to the NGNMFG mailing list. As noted above, registration is required to be subscribed.

Participants in the NGNMFG meetings are indicated in the meeting reports.

6. Requested Actions

SG 4 is requested to

- Review this report
- Publish the updated NGN Management Specification Roadmap via a link off the SG 4 home page.
- Approve the creation of the Joint Coordination Activity on Management (see Attachment 1) and the assignment of the Roadmap to Q 8/4 which recognizes the following points:
 1. The NGNMFG has indicated the benefits of a focal point for identifying and facilitating, but not specifying, management specifications to support NGN and future networks and the next generation of management capabilities.
 2. The creation of a comprehensive management solution requires an aggressive project plan involving many partner organizations. Harmonization and gap analysis of key management specifications remain the foundation of such a plan, with both tasks benefiting from cooperation with Q 8/4.

A pragmatic project plan requires continued progress on a restructured Roadmap which would be led by Q 8/4.
