

NGN Management Focus Group

NGNMFG-OD-018-R1

Virtual Meeting, 27 April 2006

OUTPUT DOCUMENT

Source: NGNMFG
Title: Report to SG 4

Provided below is the report to ITU-T SG 4, the sponsor of the NGNMFG, as required by Recommendation A.7. Also attached in separate files are the following documents:

- Attachment 1: The NGNMFG EDH procedures (NGNMFG-AD-001-R3)
- Attachment 2: The list of NGNMFG incoming and outgoing liaisons (NGNMFG-AD-002-R7)
- Attachment 3: The NGN Management Specification Roadmap Version 2 (NGNMFG-OD-019) including the NGNMFG Terms of Reference v3.2

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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. As stated in the current terms of reference (see Annex 1 of Attachment 1), the NGNMFG is expected to provide a summary of its activities in a report to SG 4 (this document).

2. Objectives

The general objectives are to provide the management interface capabilities to support the ITU-T (including FGNGN) objectives for Release 1 and more specific objectives are presented below:

- 1) To understand and agree with the high level requirements related or relevant to management interfaces that are contained in the NGN Overview (Y.2001), NGN General Reference Model (Y.2011), and the NGN Functional Requirements and Architecture (Y.NGN-FRA) and to determine from them, the functional and physical entities to be managed for Release 1.
- 2) To maintain and document a liaison relationship with supporting organizations, including those identified in clause 3 of the terms of reference.
- 3) To enhance the format and contents of the NGN Management Specification Roadmap (v1.0) for Release 1 that identifies the following categories of specifications relevant to NGN Management:

Management requirements

Management framework, principles, and architecture

Management interface specifications, both protocol-neutral and protocol-specific

To achieve this objective, the NGNMFG will identify existing and in progress specifications available to support the management needs of Release 1, in particular by examining the output of the organizations noted in clause 3 of the terms of reference.

- 4) In addition, to identify and coordinate with the relevant organizations

The generation of additional specifications needed to complete the Roadmap for Release 1 ("filling the gaps")

The harmonization of "overlapping" specifications

- 5) To recommend, if appropriate, to non-ITU organizations the submission of relevant specifications for consideration as ITU-T Recommendations.
- 6) As a last resort, to produce specifications deemed to be necessary but unavailable from any source.
- 7) To provide a high level plan for additional NGN releases.

8) To document the Focus Group decisions, including a revised NGN Management Specification Roadmap and any other recommendations, regarding clauses 1-7 above for submission to SG 4 and the other participating organizations.

9) 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.

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 in Attachment 1.

Since its most recent report to SG 4 in September 2005, the NGNMFG has held the following 6 meetings generally consisting of a teleconference session, each of which was 2 hours in length:

- 1 November 2005 – Virtual meeting
- 15 December 2005 – Virtual meeting
- 25 January 2006 - Virtual meeting
- 23 February 2006 - Virtual meeting
- 28-31 March 2006 - Sophia Antipolis, France (3 1/2 days)
- 27 April 2006 - Virtual meeting

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

4. Activities and Results

Since its establishment, the NGNMFG has

Continued under leadership identified in the terms of reference.

Sent reports to SG 4 (see SG 4 TD 67 GEN, TD 144 GEN and Addendum 1, and this document) and other partner organizations.

In support of objective 1, reviewed the draft Release 1 specifications received from the FGNGN and SG 13 and provided NGNMFG comments in reply.

In support of objective 2, sent liaisons to and received liaisons from most partner organizations, including ITU-T SGs 4 and 15, ETSI TISPAN WG8, ATIS TMOC, 3GPP SA5, 3GPP2 TSG-X WG5, TeleManagement Forum, IETF, OASIS, and MEF (see Attachment 2).

In support of objective 3

1. Solicited summaries of candidate management specifications of partner organizations to support NGN management interfaces.
2. Used the latest draft Y.NGN-FRA specification to identify the functional entities to be managed for Release 1.
3. Created the concept of the NGN Management Specification Roadmap to identify the specifications recommended to support the management of NGN functionality in Release 1.
4. Populated the Roadmap with agreed specifications from 9 partner organizations (see Attachment 3). It is recognized that the current Roadmap is 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.

In support of objective 4

1. Identified in some cases multiple specifications requiring harmonization and proposed the resolution of such issues to the relevant organizations (see clause 6 of Attachment 3).
2. Identified a partial set of management specification gaps to be filled (see clause 5 of Attachment 3).

In support of objective 5, no recommendations were explicitly made, though the NGNMFG did recognize the collaboration of SG 4 and the TMF regarding MTNM.

In support of objective 6, no specifications were produced, though the NGNMFG did make recommendations regarding specification gaps to be filled and identified organizations to fill them.

In support of objective 7, no definitive plan was identified.

In support of objective 8, produced meeting reports and this report to SG 4.

In support of objective 9, the generation of a working model was deferred in light of the recommendation made in clause 6 below.

5. Membership

As of 13 May 2006, there were 215 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 and attachments.

Publish the NGN Management Specification Roadmap v2.0 via links off the SG 4 home page.

Approve the continuation of the NGNMFG under the current leadership, method of working, and a modified terms of reference which recognizes

1. NGN Release 1 work in SG 13 and other SGs has slipped to the end of 2006 and possibly into 2007 with many relevant NGN specifications remaining to be completed and approved.
2. The completion of the NGN Management Specification Roadmap for Release 1 is dependent on stable SG 13 documents.
3. The primary role of the NGNMFG as the focal point for identifying and facilitating, but not specifying, NGN management specifications.
4. Aggressive harmonization and gap analysis of key management specifications has become the NGNMFG's primary focus.

Assuming the NGNMFG is continued as recommended above, the following schedule is proposed:

1Q2007: NGNMFG generates Roadmap v3 to cover NGN Release 1