



International Telecommunication Union

1.2.1a Update on ITU-T NGN activities

Brian Moore

Chairman ITU-T SG 13

Presented by John Visser

ITU-BDT Regional Seminar on Fixed Mobile Convergence and
New Network Architecture for the Arab Region
Tunis, Tunisia, 21-24 November 2005

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Global Standards Collaboration
GSC#10

28 August – 2 September 2005
Sophia Antipolis, France

GTSC#3 Agenda Item: 5

Update on ITU-T NGN activities since GSC9

Brian Moore

Lucent Technologies


Chairman of ITU-T Study Group 13




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Establishment of the ITU-T Focus Group on NGN

- ❑ Following consultations in early 2004 the TSB Director issued a Circular in May 2004 announcing that an NGN Focus Group had been established
- ❑ The Circular, and a following addendum, announced the first meeting of the Focus Group in June 2004 and contained background to the decision, a draft terms of reference and elaboration of the work areas of the Focus Group

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WTSA Decisions (October 2004)

- ❑ Prior to the WTSA the NGN work had a narrow focus in the ITU-T – now much of the work is centred on NGN
- ❑ Study Group 13 (SG NGN) was established by the WTSA to lead the NGN studies including the coordination of NGN-related activities across the relevant study groups
- ❑ It also became the parent of the NGN Focus Group which since its inception in May 2004 had reported to the TSB Director


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WTSA Decisions (October 2004) cont



- ❑ Recognising in particular the close relationships between the NGN work of Study Groups 2, 11, 13 and 19 it was agreed that coordination should be strengthened by forming a 'Joint Coordination Activity'
- ❑ This has involved the management of the other study groups working with Study Group 13 in the development of the NGN plans and in the taking of special actions to ensure success of the NGN work (e.g. proposing co-location of meetings to maximize efficiency and speed up the work)


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NGN Work Planning and Coordination




- ❑ Study Group 13 is developing a Release plan for the ITU-T NGN Recs indicating where the work is being or to be done and by when. (The deliverables being prepared by the NGN Focus Group form an input to the preparation of ITU-T Recs.)
- ❑ Web based project management tools are under development
- ❑ Ongoing involvement of other SDOs and regional standards organisations in the NGN planning and standards development activities is essential

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Relations between the NGN Focus Group and Study Group 13

- ❑ NGN Focus Group deliverables are passed to Study Group 13 for processing as draft Recommendations (where appropriate) by Study Group 13 or by other study groups depending on the subject
- ❑ To ensure coordinated work and to expedite approval of the resulting draft Recommendations an iterative process between the NGN Focus Group and the study groups has been established. Study groups are able to review and comment on the drafts being prepared by the focus group

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Activities of the NGN Focus Group

A review of the activities of the NGN Focus Group will be provided by the FG Chairman, Chae-Sub Lee

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Next Steps



The May 2005 Study Group 13 meeting agreed the following:

- ❑ The NGN Focus Group will continue until the end of 2005 in order to complete, as far as possible, its current work. The existing NGN Focus Group will be closed by end of 2005.
- ❑ The NGN Focus Group will not take on any new work

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Next Steps cont

- ❑ The NGN Focus Group will submit, as a complete package, their deliverables and work in hand as contributions to the Study Group 13 meeting in January 2006
- ❑ As a guidance NGN Focus Group output documents which may be considered for an approval procedure at the January 2006 Study Group 13 meeting should be available by 23 November 2005

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Next Steps cont

- ❑ To support transition planning, the NGN Focus Group will make available on the Study Group 13 web site
 - an interim summary by 5 September 2005, reflecting NGN Focus Group accomplishments and decisions through 2 September 2005, and
 - a further summary by 23 November 2005, reflecting NGN Focus Group accomplishments and decisions up to that date

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Next Steps cont

- ❑ The NGN Focus Group will make a more complete Closure Report available on the Study Group 13 web site within one week after the end of the final meeting
- ❑ The ongoing work will continue in the study groups under the concerned Questions and between study group meetings in Rapporteur and joint Rapporteur Groups
- ❑ Study Group 13 may create new Focus Group(s) for time-critical items:
 - strong limit in time & scope
 - allows for participation including non-ITU members

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Transition Planning

- ❑ At its meeting in September 2005 Study Group 13 will develop a transition plan showing, for each work item of the NGN Focus Group, which study group (and under which Question) the work will continue after the closure of the Focus Group
- ❑ This will enable:
 - Contributions on the ongoing work to be directed to the appropriate Questions and
 - Rapporteur groups taking on the work can start consideration of the issues and plan meetings etc

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Transition Planning cont

- ❑ Over the past year the market drive for NGN standards has firmed up and a number of operators have announced implementation plans for the transition to IP-based networks
- ❑ An implicit part of the agreement to close the NGN Focus Group was that steps would be taken to maintain the momentum that had been built up by the Focus Group in order to provide the global standards to underpin these plans

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Transition Planning cont

- ❑ Study Group 13 will be developing proposals for the ongoing working methods. One possibility is to plan for co-located meetings of the concerned Rapporteur Groups from the various study groups to jointly progress the work

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Transition Planning cont

- ❑ Taking account of the already planned meetings during 2006 the following schedule is likely:
 - January 2006, meeting of Study Group 13 (and Study Groups 11 and 19)
 - April 2006, workshop on 'NGN and Transport' followed by joint Rapporteur meetings
 - July 2006, meeting of Study Group 13 (and Study Groups 11 and 19)
 - October/November 2006, joint Rapporteur meetings

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Transition Planning cont

- ❑ The NGN Joint Coordination Activity is being extended to include all the study groups involved in the NGN work, e.g. Study Group 4 on network management, Study Group 12 on QoS and Study Group 16 on multimedia service issues
- ❑ The NGN-JCA will meet during the September 2005 Study Group 13 meeting and will consider the proposals for the ongoing coordination of the NGN work

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ITU-T / IETF Workshop on NGN

- ❑ An ITU-T Workshop on NGN in collaboration with IETF was held in Geneva, 1 – 2 May 2005
- ❑ The overall objectives of the workshop were to explore specific NGN issues that impact both the ITU-T and the IETF to better understand the work underway in the two organizations and to identify areas where actions could be taken between the ITU-T and IETF to further coordinate their work

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ITU-T / IETF Workshop on NGN cont

- Six sessions dealt with requirements and functional architecture; nomadicity and mobility; QoS and control; network management; security capabilities; evolution
- A final wrap up session prepared the highlights and conclusions of the workshop
- Details are at <http://www.itu.int/ITU-T/worksem/ngn/200505/index.html>
- The following two summary slides are extracted from the workshop report

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Joint ITU-T / IETF Workshop on NGN cont

Summary status of the fields covered by each session

Fields	ITU-T	IETF
Requirements & Architecture	Release 1 scope and req. FRA and IMS based NGN	Response to market; E2e architecture principles
Mobility and nomadicity	IMS; ISIM; TR.NGN-MOB	Location based (SIP+Geopriv)
QoS & Control	QoS related deliverables (Y.1541 etc) RACF	RSVP, Diffserv, NSIS etc. MPLS-TE
Management	Focal Point in NGNMFG M.3016/M.3050/M.3060	SNMP v3 WGs : IPPM, RMONMIB, SYSLOG, NETCONF
Security	X.800 and X.805 based approach NGN Security Framework	IETF Security Protocols
Evolution	Evolution scenarios & req. to NGN Problem statements and req. FPBN	Macrocosm & Microcosm SIP Evolution





Joint ITU-T / IETF Workshop on NGN cont Topics for Further Collaboration / Action items

- ❑ Scope for dialogue for the IETF to understand NGN requirements and interfaces
- ❑ Good opportunity to accelerate Nomadicity and Mobility study including FMC for both sides
- ❑ Need more efforts for understanding QoS and Control issues, especially Signalling aspects
- ❑ Well coordinated work in Management area (ITU-T : Architecture and Framework, IETF : Protocol aspects)
- ❑ Great opportunity working together secure the World (ITU-T : Requirements and Framework, IETF : Protocol aspects): ITU to give X.805 presentation at next IETF-meeting
- ❑ Evolution to Packet based Networks also request coordination in high level as well as practical aspects

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**We look forward to the continuing support of the regional standardisation organisations in the development of the global NGN standards.
Thank you for your attention.**

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