

NGNuk

NGN: regulation and investment 17th April 2007

Peter McD. Black
Executive Chairman

17th April 2007

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Creation Of NGNuk

- Communications Providers (CPs) had concerns that Consult 21 was only BT focused
- Ofcom consulted on the general issues relating to NGNs
- Confirmation was gained that the CP community saw NGNs as much more than Interconnect with BT
- Ofcom did not want to be prescriptive about how NGN Interconnect should work commercially, Industry & Ofcom wanted Industry agreement and leadership
- NGNuk was established as a focused approach to address the commercial framework needed for an interconnected NGN future for the UK.
- Peter Black was appointed as Executive Chairman to establish NGNuk & appoint *Independent Secretariat*.

Terms of Reference & Constitution

- NGNuk is an industry owned body
- Will act as a co-ordination forum to ensure that there is a clear commercial vision led by industry for competition based on interconnected NGNs
- NGNuk will create a set of guiding principles, a vision and an implementation framework for an interconnected NGN future for the UK
- NGNuk has a two way relationship with other industry bodies, such as Consult 21 and NICC taking input to enable it's commercial work to succeed and providing policy output to enable them to undertake their functions

■ Vision

- By Jan 2008, the UK Communications Industry will have an agreed NGN Interconnect Model that allows the predictable & seamless transport of a technically unrestricted range of services across multiple NGNs using a Commercial Framework that drives Service & Application Innovation and Efficient Investment.

■ Goals To Deliver the NGNuk Vision

- Establish & Agree The Reference Set of Services
- Distil the Commercial Issues That, When Agreed, Will Enable Successful Implementation of The Reference Set of Services & New Services Across an NGN interconnect
- Create An Implementation Roadmap to Deliver the Commercial and Technical Interconnect Agreements
- Satisfy the Reasonable Requirements of all Stakeholders
- Work With International Groups to Ensure the UK is Not Isolated in any Solutions That NGNuk adopts

The Principles established by the NGNuk Executive

The NGN Interconnect Framework should:

1. Protect and enhance the end-user experience
2. Minimise end-user and operator disruption
3. Encourage efficient investment in NGNs
4. Be the interconnect rules for a core set of services that are common between NGNs
5. Encourage efficient routing and network usage
6. Encourage efficient migration from legacy to NGN networks
7. Be cost effective to implement
8. Allow recovery of efficiently incurred costs
9. Enable customer-specific data to be portable

NGNuk Membership

- Secretariat is independent to ensure all members views are considered and will endeavour to reflect the needs of the industry as a whole
- Executive membership is open to CP providers with a substantial commitment towards NGN investment in the UK
- Participating status is open to any CP or Service provider that has a bona-fide intention to interconnect, use or invest in NGN in the UK
 - Able to attend and participate in work groups
 - Access to all work group documentation, minutes etc
- Associate members
 - Will be offered communication channel to Secretariat
 - May be invited to present reasoned arguments at working groups
 - Will be able to access completed documentation
- Is not open to Manufacturers and Suppliers

Current Membership

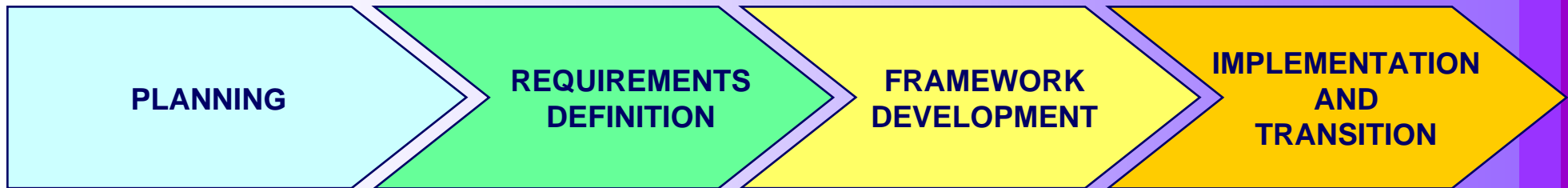
Executive members

- BT Wholesale
- CPW
- Cable & Wireless
- Colt Telecom
- Sky/Easynet
- Kingston Communications
- Virgin Media
- Orange
- THUS
- T- Mobile
- Vodafone

Participating Members

- Abovenet
- Gamma Telecom
- Global Crossing
- London Internet Exchange
- Three (H3G)
- Tiscali
- TimeWarner
- Verizon Business
- Viatel
- Telstra (application pending)
- Exponential-e (application pending)

NGNuk Structured Roadmap



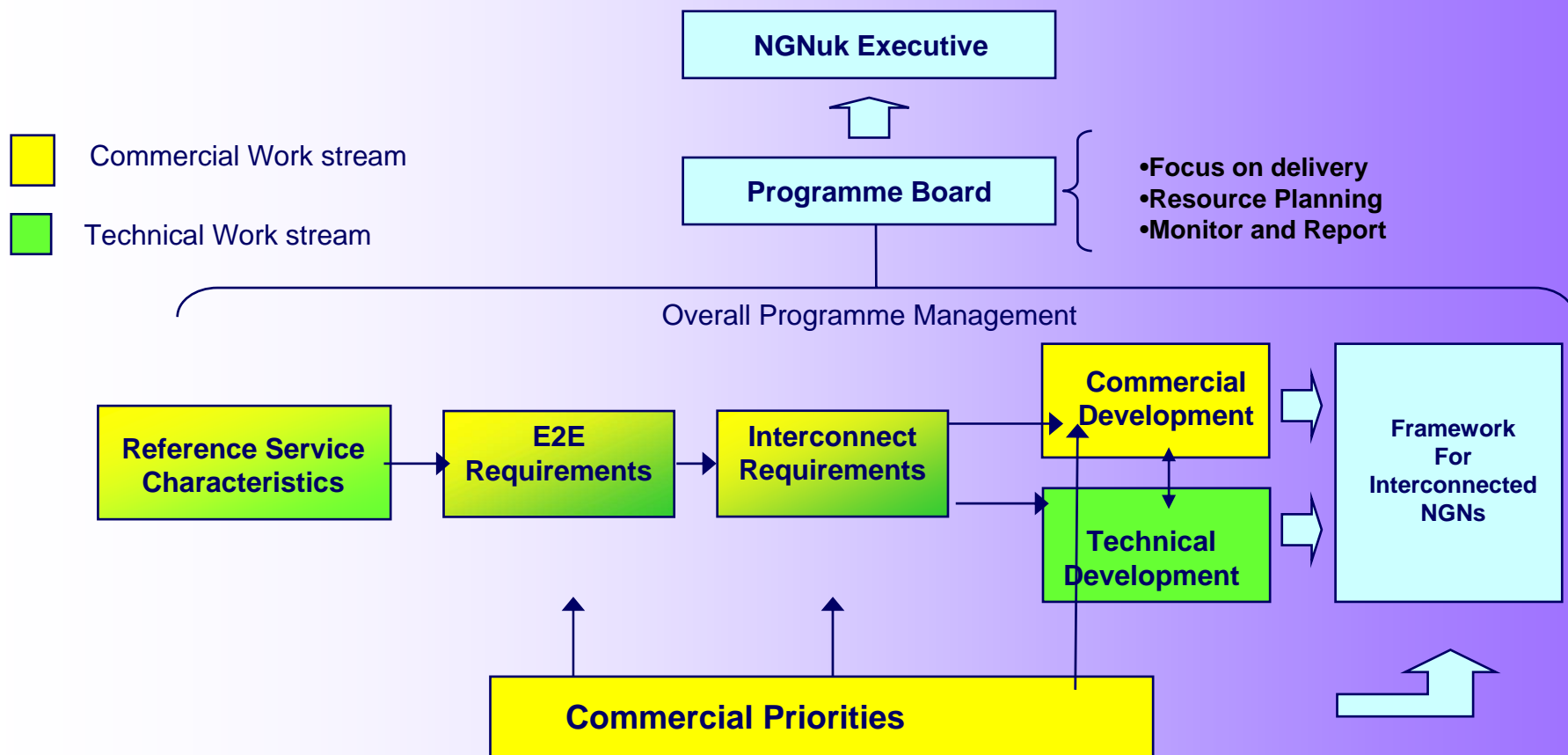
NGNuk Setup and Launch
Information gathering
Work programme definition
Programme Plan

Stakeholder Groups
End-to-End services
Interconnect Requirements

Commercial Framework
Technical Standards

Pricing Framework
Transition Arrangements
Interconnect Implementation
Systems Development

NGNuk Work Programme and Governance



Current Status

- **Running Three Months Later Than Planned – However:**
 - **End to End Requirements for known services published for comment**
 - **Initial proposals on the number and locations of interconnects under discussion between CPs and BT, consensus emerging**
 - **Interconnect Requirements at 1st draft have been issued for comment, further input and rework next steps**
 - **Charging work for existing services progress is making progress with reasonable consensus for how charge models (CPP, RPP and B&K) should be applied**
 - **Outline work programme under discussion within work group**

Key Deliverables For Next 12 Months

- **Overall Programme Scope & Plan – April 2007**
- **Release Interconnect Requirements – May 2007**
- **Pricing Principles proposed for Priority Services - July 2007**
- **UK Technical Interconnect Green Release Due from NICC – August 2007**
- **Commercial Framework Jan 2008**
- **Transition plan Q4 2007**
- **NGNuk close end Q1 2008**

Major Issues to be Resolved

- Overall work programme needs to be finalised and agreed
- CP Resources to support overall programme scope may be an issue based on the experience to date of:
 - Priority work streams
 - NICC support for Green Release of Multi Service Interconnect
- Achieving consensus between BT Wholesale , Communications Providers and Mobile Operators may prove difficult outside of initial “voice” focus

Summary

- Programme on Track with reset timescales after slow start
- End to End Requirements near final draft
- Interconnect requirements actively being worked
- Interconnect Locations & Numbers provisionally agreed, but subject to in depth review and response from BT
- Charging Framework for Existing services is under way
- Resources for work programme will be a challenge for CPs
- Delivery of technical specifications from NICC also a resource challenge
- I remain optimistic about the 'do-ability' of the programme

Contact Details

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Top Level Plan

Draft 0.4	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
OVERALL PROGRAMME															
End to End Requirements Scope Creation, Completion & Industry Agreement	First Draft		2nd Draft	Public Feedback	Agreed										
Interconnect Requirements Scope Creation, Completion & Industry Agreement			First Draft		2nd Draft	Public Feedback	Agreed								
Joint agreement on NICC ownership of Technical Work		NGNuk agree		NICC agree											
Transition Planning - Principles															Final Draft
NGNuk Closes															Close
COMMERCIAL PROGRAMME															
Key Issues Presented															
Commercial Requirements Derived from Priority Work & Requirements Definitions			Key Issues	Draft	Agreed										
Commercial Framework Programme and Plan				Draft	Agreed										
Resourcing Proposals					Agreed										
NGNuk Commercial Work Programmes															
Industry Agreement In-Principle to The Commercial Framework										Final Draft			Agreed		
Commercial Framework Moves Towards Implementation															TARGET?
TECHNICAL PROGRAMME (NICC)															
Green Release - Initial Deliverables		NICC Resource Reqs							Deliverables						
NICC Technical Activity in support of NGNuk				NICC work packages		Output									
Next Release - Requirements										Agreed					
PRIORITY COMMERCIAL ISSUES															
a) Interconnect		CP Proposal	BT Response		Agreed										
b) Charging Principles		Agreed		External Paper											
c) Pricing Principles		Plan					Voice								
OFCOM KEY ACTIVITIES															
Cost Modelling															
			Aspirational Target												
															Critical Path

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