



COMMERCE COMMISSION

## Next Generation Network (NGN) Study Consultation Questionnaire

Considering the issues moving into the NGN environment, we have broken these issues into four categories:

**Services** Covering the commercial and technical models and functions required to support the retail and wholesale services in the NGN operating environment.

**Architecture** Seeking information about the technical and commercial issues around the multiple NGNs, NGANs, and service providers operating in the market to provide innovative services to end users.

**Transition** Exploring the issues around service continuity and user education where changes to current basic consumer services are occurring through technology evolution.

**Environment** Covering broader cross industry issues effecting the NGN environment.

### A. Retail and Wholesale Services

A.1. What are your views on the appropriateness or otherwise of retaining the existing commercial models (e.g. PSTN interconnect) in the NGN environment?

A.2. What do you believe are the appropriate retail and wholesale commercial models for the various NGN services?

A.3. What are your views on the opportunities, merits or desirability of fostering an environment facilitating services based versus facilities based competition in the evolving NGN market?

A.4. Can you envisage any areas where industry limitations are likely to prevent (e.g. commercial or technical) agreements?

A.5. Can you envisage any areas where policy support would likely aid or facilitate agreements?

A.6. Can you envisage any areas where significant barriers to entry are likely to emerge?

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**B. Architecture**

- B.1. What technical issues need to be resolved to allow you to offer the services you would like to be able to offer today, and over the next 1-3 years?
- B.2. What commercial issues need to be resolved to allow you to offer the services you would like to be able to offer today, and over the next 1-3 years?
- B.3. Which of these issues do you believe can be satisfactorily resolved through the current industry work groups in a timely manner?
- B.4. Do you envisage any issues in NGN interconnect or in relation to current peering arrangements?
- B.5. Do you envisage any issues in NGAN to NGN interconnect?
- B.6. Do you envisage any issues around NGN to service, content and application provider interconnect?
- B.7. Do you envisage any issues around agreement on appropriate parameters and values relating to Quality of Service in the NGN environment?
- B.8. Do you envisage any issues around the integration with the developing open access fibre networks?

**C. Transition**

- C.1. Can you comment on the need or timing to migrate from IPv4 to IPv6 and any role you see for government in this transition?
  - C.2. Can you comment on the need for revisions to numbering plans for new services, and the need or otherwise for non-geographic codes recognising increasing user nomadicity?
  - C.3. Do you have a view as to the best approach in dealing with stranded assets in the event of significant network rearrangements?
  - C.4. Do you have a view on emergency service, mains powering and location information in an NGN environment?
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**D. Environment**

- D.1. Is access to physical infrastructure such as ducts, poles and rights of way likely to impact on NGN rollouts?
- D.2. What is your view on the ability to provide services into multi-tenant buildings, and the potential to share optical line termination equipment?
- D.3. Do you have a view of the role of the regulator and other industry bodies (e.g. TCF) in the evolving NGN environment?
- D.4. Do you have a view on whether or how the “Ladder of Investment” model could operate in the NGN environment?
- D.5. Do you see any issues or opportunities relating to the access to and use of spectrum now, and potentially emerging from the current Telecommunications and Broadcasting convergence?
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