



HORIZON

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Submission to the Expert Panel re the development of the ‘Request for Proposal Documentation’ for the National Broadband Network

Executive Summary:

The national Broadband Network must be based on, premised on, the following priorities:

P1:

- The total and absolute requirement (design, development, build, support and evolution) of a true Future Proof Next Generation Network Outcome
 1. The Network will be a Hybrid design (utilizing a mix of communications technologies i.e.: Fibre/Wireless/Satellite etc)
 2. It will be a fully software definable/programmable & upgradeable network.
 3. It will be IP based, have mobility and the design and architecture will enable the network to evolve to a fully mobile, very high capacity, very high throughput, very long distance 4G Hybrid Mesh network.
 4. The design lifetime imperative must be 50+ years time of life
 5. The Network must accommodate seamlessly the needs and requirements of Homeland security, displan and all emergency services nationally.
 6. Strategically the new network must be fully interoperable with and accommodate all defence assets/needs/requirements
- Sound Wholesale Open Access Principals
- The National Broadband Network solution must deliver
 1. Low CAPEX (low capital expenditure)
 2. Low OPEX (low operating expenditure)
 3. Low SUPEX (low support expenditure)
 4. Low Consumer (CPE) Install timeframe
 5. Enhanced customer service and support

P2:

1. All Federal and State government communications business over the new network.
2. Federal Government facilitated and mandated priority collaboration and adjustments to spectrum access by the ACMA. i.e.:
 - The urgent and immediate adoption of the ACMA “Private Park” concept of spectrum utilisation.
 - The immediate focus and adoption of “White Space” spectrum concepts and technologies.

- The urgent and immediate recovery of the strategic Analogue (VHF/UHF) TV broadcast spectrum in the national broadband network and strategic interests. Recovered spectrum to be moved into the 'private park' spectrum scenario.
3. No network over build for 7 years by incumbent operators
 4. Guaranteed access to all existing communications infrastructure detail of the incumbents.
 5. Govt facilitated Industry Collaboration
 6. The new network has to be built without the need for or the requirement to accommodate outdated existing USO's, network access fees and network cross subsidies. (Why? The design imperative will/must negate these issues)

Yours sincerely



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