



Basslink Telecoms Progress Update

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Agenda



- Electricity Cable Overview
- Optical Fibres
- Proposed Network
- Progress to Date
- Reliability
- Current Activity



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Electricity Interconnector



- World's 2nd longest undersea electricity cable – 500 MW capacity
- 360km from Loy Yang, Vic to George Town (Bell Bay), Tasmania
- 4 years to build, electricity flow commenced April 2006
- Built by NGA (private subsidiary of UK construction firm). Purchased by CitySpring Infrastructure trust in August 2007.



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Electricity Interconnector



Loy Yang – largest coal fired powerstation in Victoria



George Town/Bell Bay – gateway to Tasmanian hydro grid



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Optical Fibres



- Armoured cable colocated with power cable underwater
- Carried in OPGW overhead over land
- 12 fibres G.654
 - 2 pairs for internal telemetry
 - 2 pairs for telecoms (phase 1)
 - 1 pair for telecoms expansion
 - 1 pair spares for breakages



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Lighting the Fibre



To push electrons...



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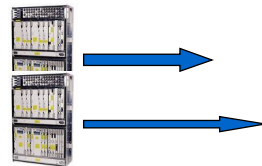
Lighting the Fibre



To push photons...

Standard DWDM 80km

Long-Haul DWDM 120km



Undersea segment 303km long between transition stations

- pure glass, no amplifiers, 58dB loss at 1550nm.

Laser attenuated to ~1 millionth original intensity

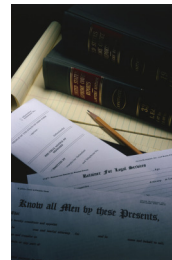
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Equipment RFP



- RFP released to vendors in February
 - 13 potential suppliers
 - 2 different network architectures
- Final offers from shortlist received
- Selection imminent



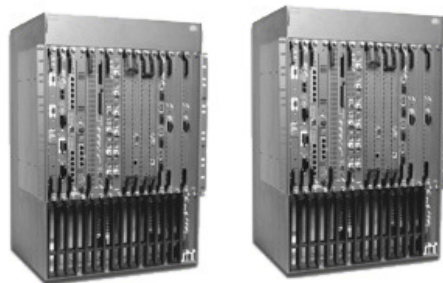
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Lighting the Fibre



Raman Amplifiers on receivers
Extreme boosters on transmitters




50% of entire CAPEX of network

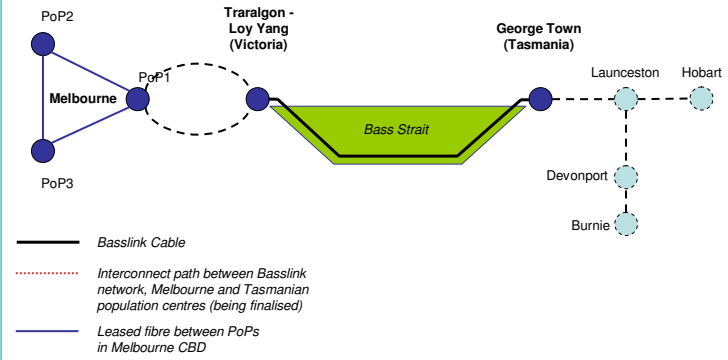
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End-to-End Backhaul Service




Basslink's backhaul service

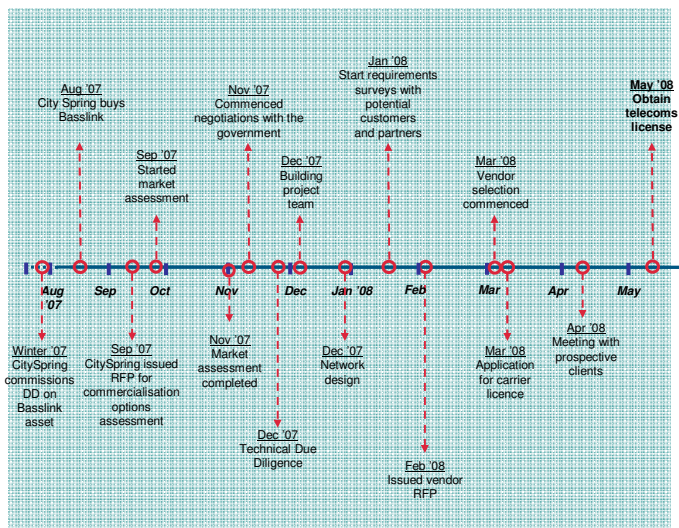


— Basslink Cable
⋯ Interconnect path between Basslink network, Melbourne and Tasmanian population centres (being finalised)
— Leased fibre between PoPs in Melbourne CBD

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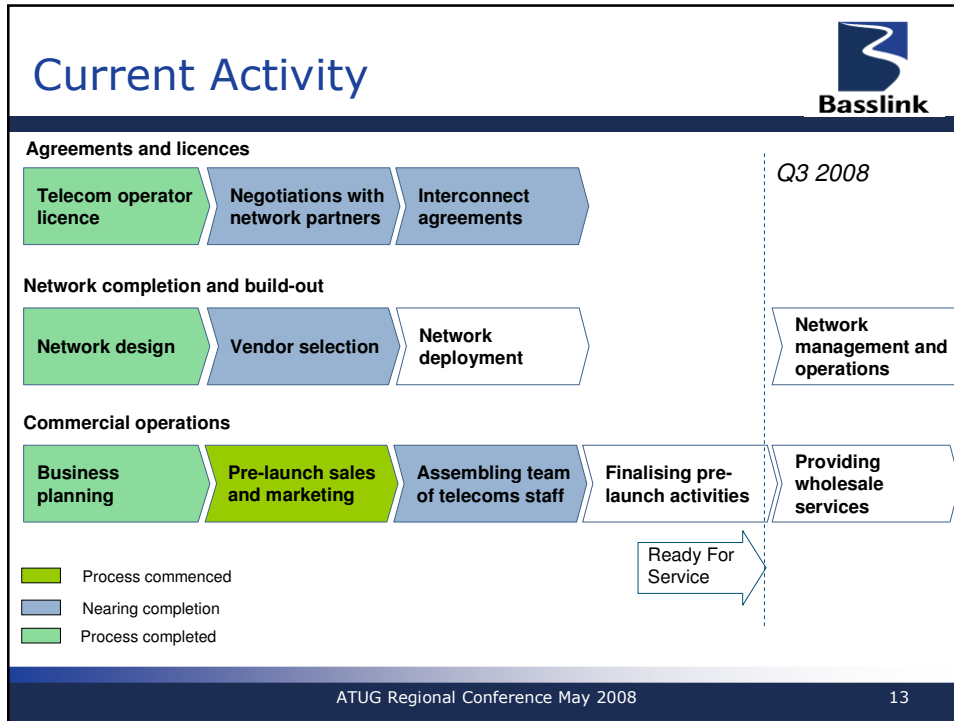
Much activity behind the scenes





Month	Key Milestones
Winter '07	CitySpring commissions DD on Basslink asset
Aug '07	CitySpring buys Basslink
Sep '07	CitySpring issued RFP for commercialisation options assessment
Sep '07	Started market assessment
Oct '07	
Nov '07	Market assessment completed
Nov '07	Commenced negotiations with the government
Dec '07	Technical Due Diligence
Dec '07	Building project team
Dec '07	Network design
Jan '08	
Jan '08	Start requirements surveys with potential customers and partners
Feb '08	Issued vendor RFP
Mar '08	Application for carrier licence
Mar '08	Vendor selection commenced
Apr '08	Meeting with prospective clients
May '08	Obtain telecoms license

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Thank you

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