

Bringing broadband to life



NBN – Year in technical review AUSNOG-2012

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PRODUCT MANAGEMENT & INDUSTRY RELATIONS

This document sets out NBN Co's proposals in respect of certain aspects of the National Broadband Network. The contents of this document represent NBN Co's current position on the subject matter of this document. The contents of this document should not be relied upon by our stakeholders (or any other persons) as representing NBN Co's final position on the subject matter of this document, except where stated otherwise. NBN Co's position on the subject matter of this document may also be impacted by legislative and regulatory developments in respect of the National Broadband Network. All prices shown in this document are exclusive of GST.



A photograph of a worker in a white hard hat and high-visibility vest working on a cable in a trench. The worker is kneeling on the grass, and a black toolbox is open next to him. In the background, another person's legs and an orange traffic cone are visible. The scene is outdoors on a grassy area.

Technical highlights from the last 12 months

Service Providers (with a signed WBA)

As of 30 August 2012



Product Releases

TC-4

12/1 Mbps

25/5 Mbps

25/10 Mbps

50/20 Mbps

100/40 Mbps

TC-1

0.15 Mbps

0.3 Mbps

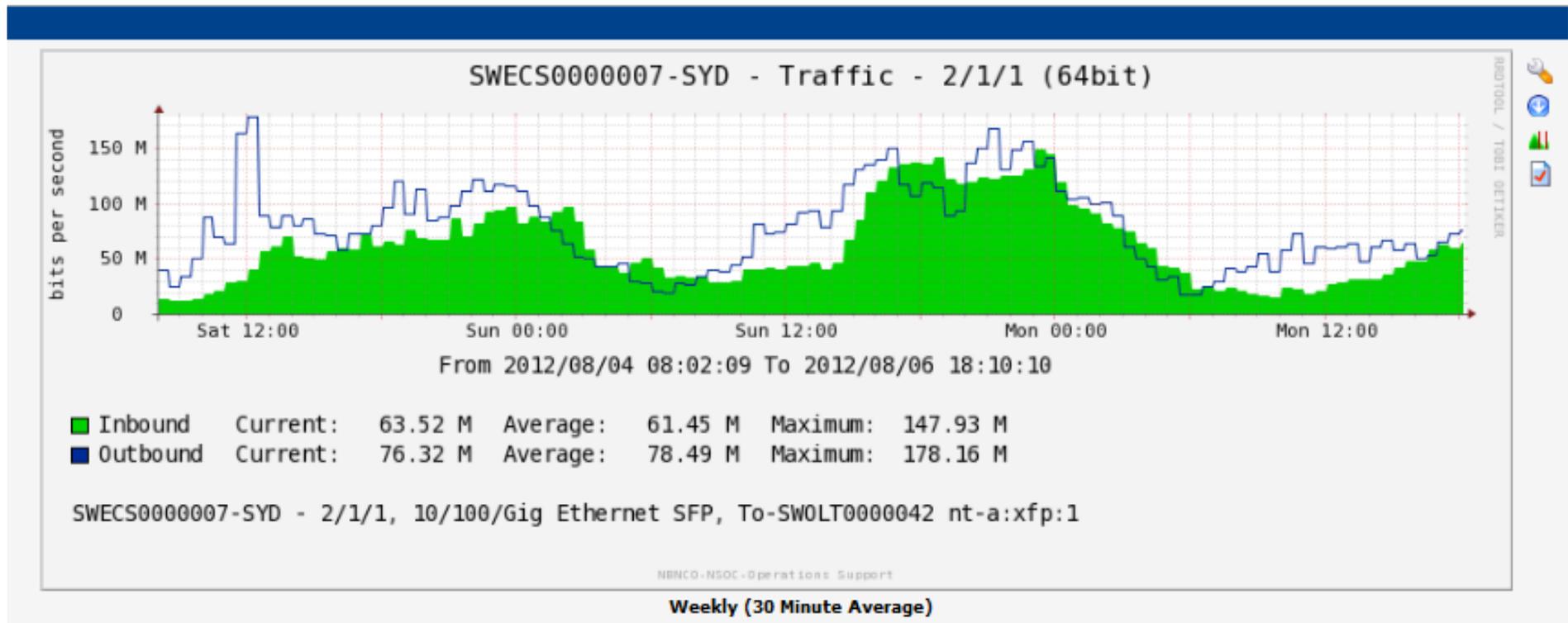
0.5 Mbps

1 Mbps

2 Mbps

5 Mbps

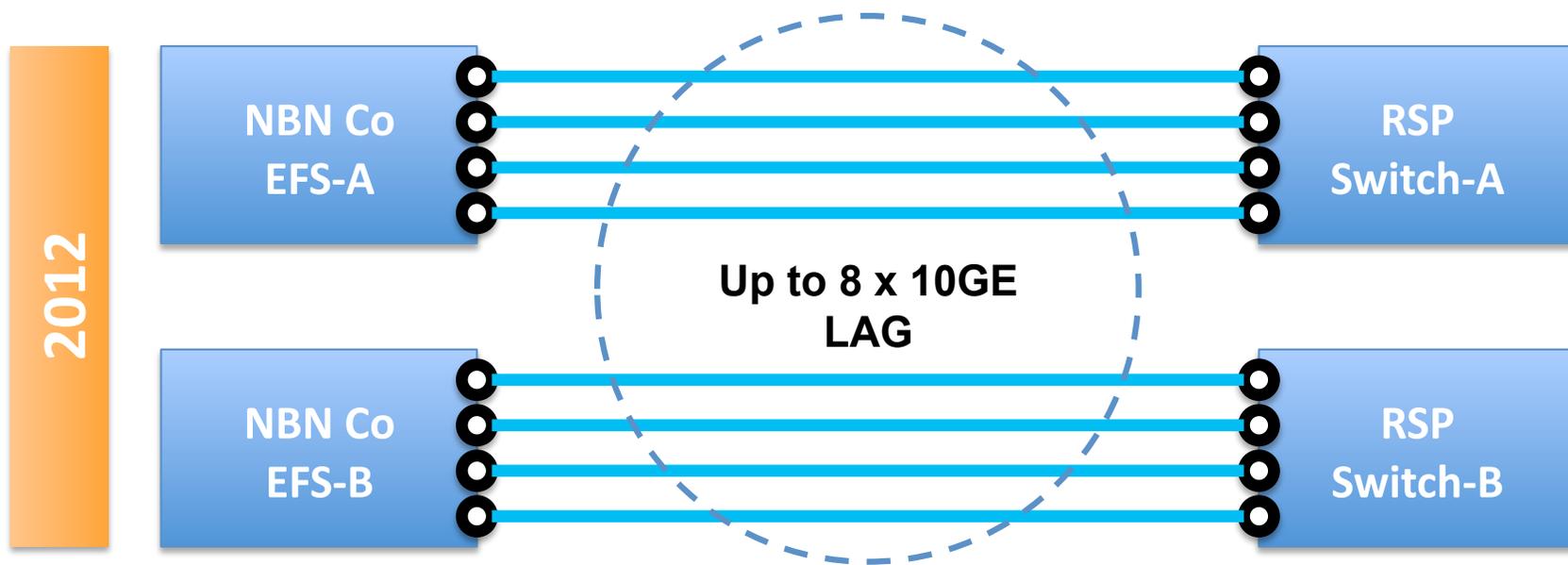
Sample Usage Patterns



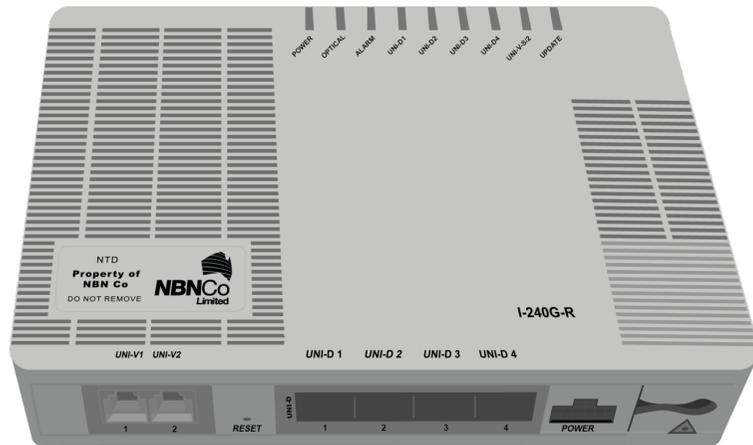
Other Observations

- Take up of TC-1
- Transition away from PPPoE
- Reassessment of LNS/BNG infrastructure

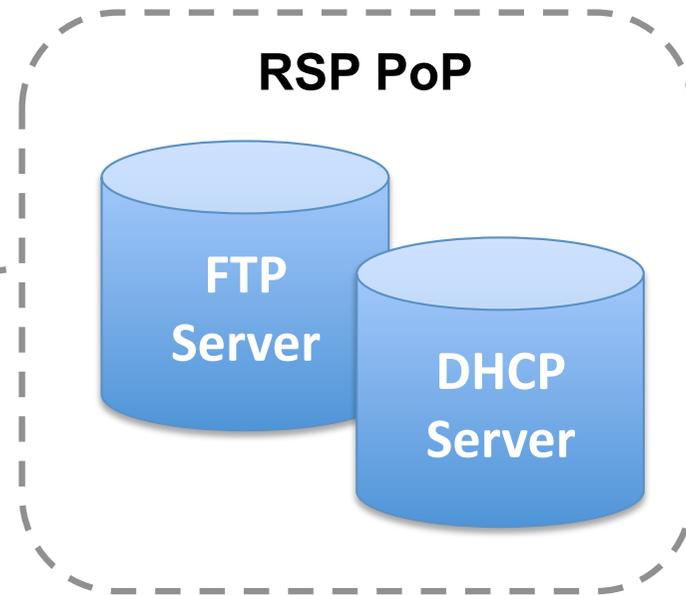
NNI Diversity



UNI-V – initial launch



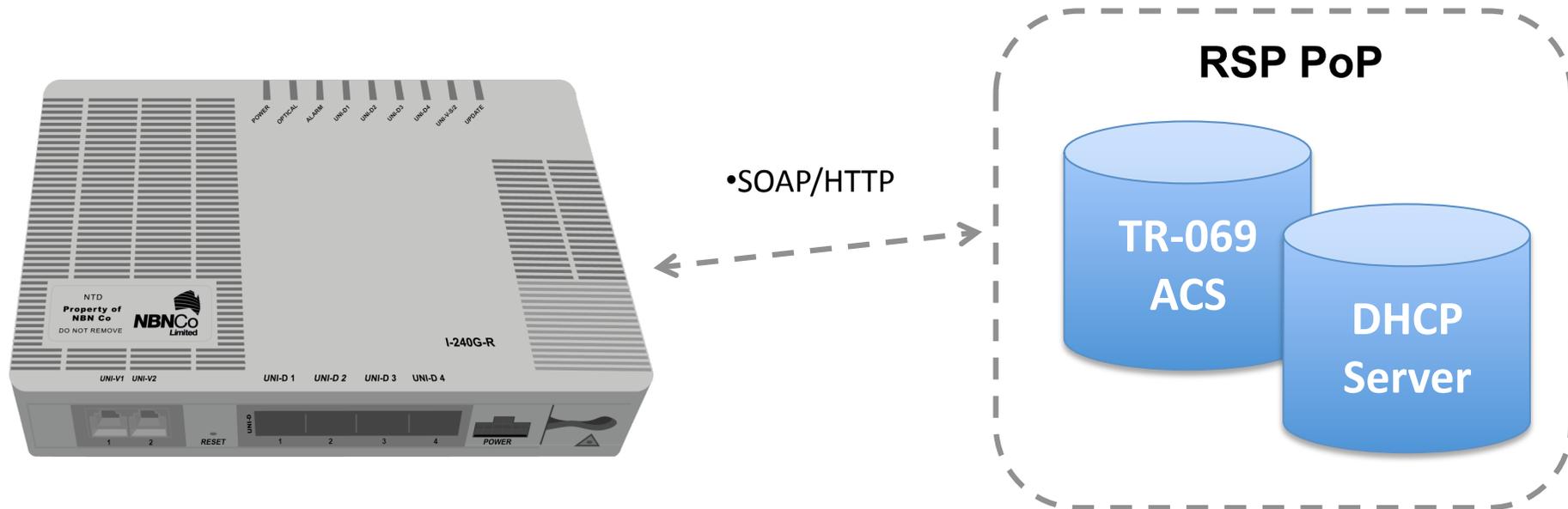
- IP configuration
- FTP server URL
- XML File transfer

A screenshot of the NBN Co Service Portal. The page title is "NBN Co Service Portal" with the NBN Co logo and tagline "Bringing broadband to life". Navigation links include Home, Site Qualification, Appointments, Orders, and Products. The main heading is "Create AVC Connect Order". Below this, it states "All fields are required". There are two sections: "Access Seeker details" with a text input field for "Your reference ID" containing "Reference ID 001" and a dropdown for "Billing Account" with value "BAN000000000001 - Description of billing account"; and "End-user details" with a "Find an address" button, a text input for "Matching address" containing "1 Street Name, Suburb, State", and a text input for "NBN Co Location ID" containing "LOC123456789".

- FTP Credentials
- XML Filename



UNI-V Enhancements



Also introduced (28 Sept)

- RFC2833 (Out of band DTMF)
- RTCP Statistics



Legacy Service Support



EFTPOS Terminals
754,000



Medical Alarms
250,000



ATMs
33,000



Security Alarms
1,250,000

Legacy Services



TFAN Deployment



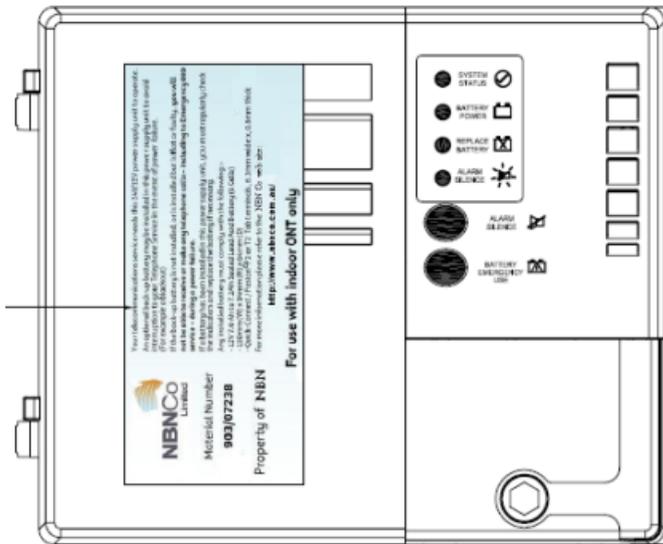
Battery Backup



Battery Backup – Key Changes



Optional Supply*



Vs.

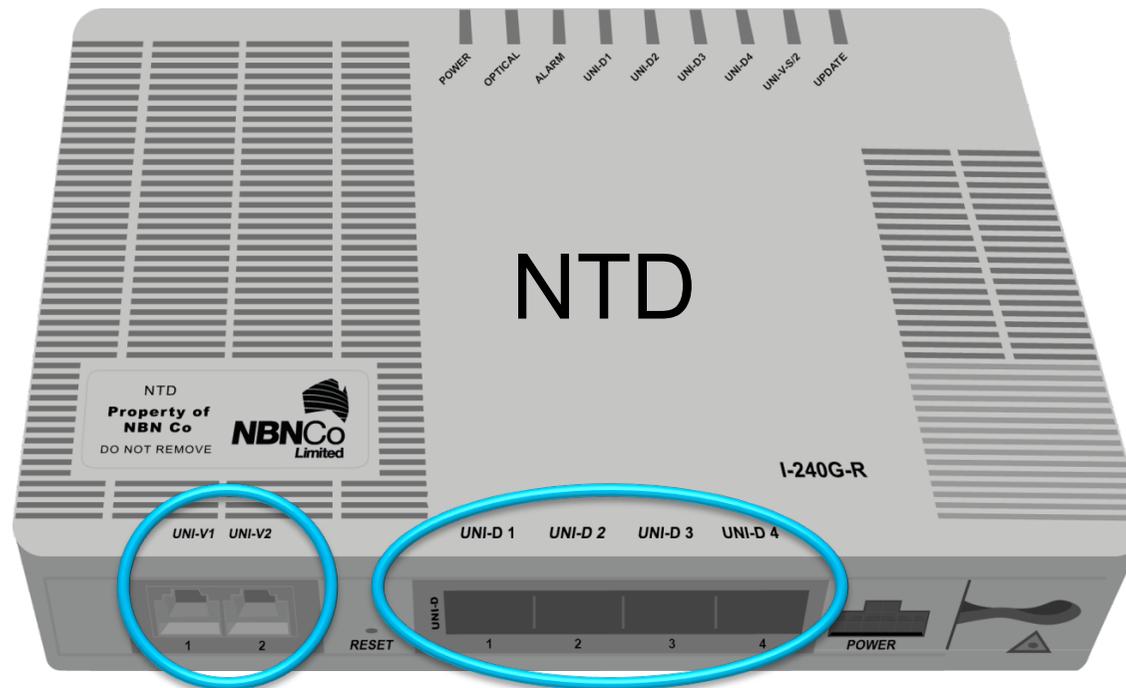


* Priority assist end users will continue to receive mandatory battery backup

Battery Backup – Key Changes



Plan to power the **UNI-V** and the **UNI-D**



UNI-V
2 x SIP ATA Ports

UNI-D
4 x 10/100/1000M



The first service fault

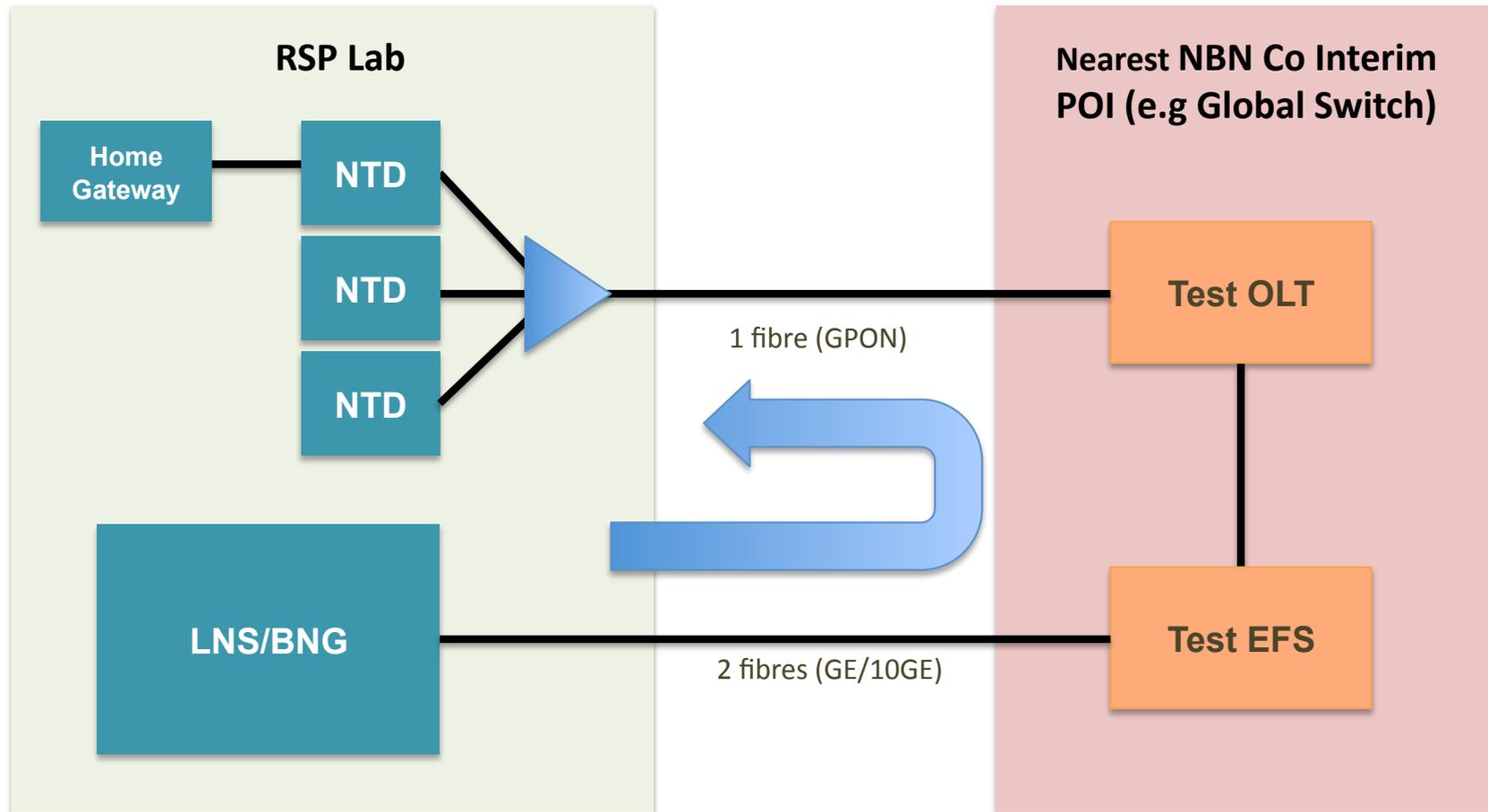
Sent: Monday, 18 April, 2011 3:47 PM

Subject: RE: We have an alarm on the service.

All,

Adrian has been to the house and the customers child had removed the power cord and turned off the socket. All ok now. Service has returned to normal, uni-d is up again. Alarms have cleared in AMS.

NBN Network Sandpit



What's ahead?

Time period	New POIs scheduled in the period
Now – end 2012	12
Jan 2013	4
February 2012	1
March 2013	4
April 2013	9
May 2013	6
June 2013	24

As per NBN Co Network Rollout Plan:
<http://www.nbnco.com.au/getting-connected/service-providers/network-rollout.html>





-Ve connected on earth rail

+Ve connected to B plane -Ve rail

+

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Facilities Access Product

