

Tonga Cable

A Post Deployment Case Study

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It will change the way we communicate.



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High-speed internet is about to roll-out across the Kingdom starting from Nuku'alofa. Contact your internet provider for details.

Ministry of Information & Communications
Partners: Tonga World Bank, ADB & TICC

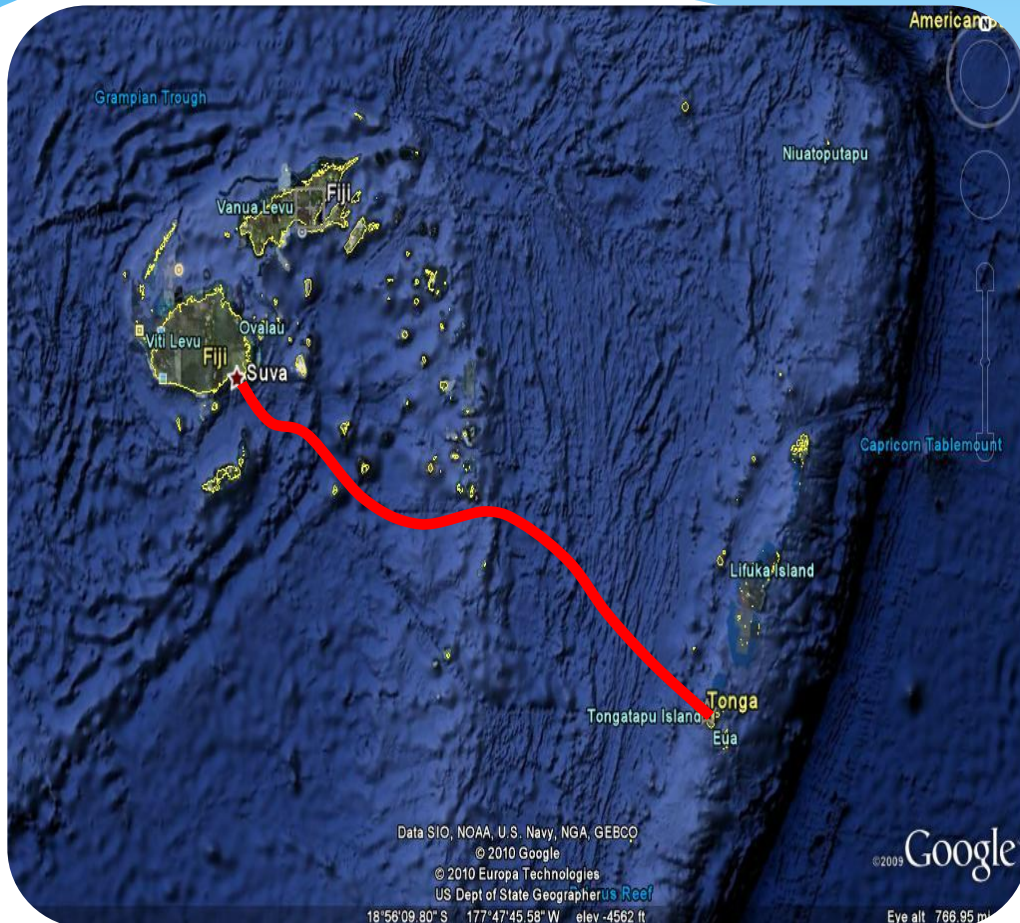
Presentation Overview

- ❖ Tonga Cable Limited background
- ❖ Tonga-Fiji Route
- ❖ Post deployment – Network Engineering
- ❖ Tonga Cable Traffic Utilizations
- ❖ Post deployment – Management
- ❖ Tonga Cable Services
- ❖ Domestic Cable - Tonga

Tonga Cable Limited

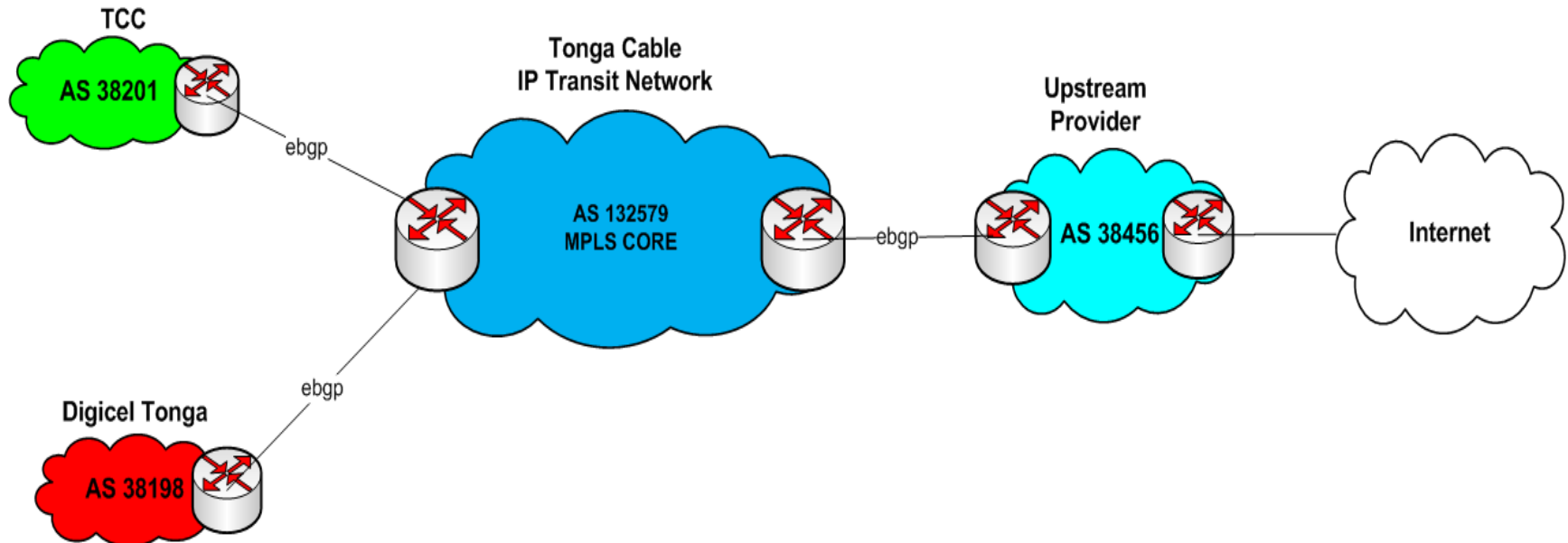
- * Established 2009
- * Public Enterprise
- * Wholesaling ISP services to local ISPs and Telecom operators
- * Tonga Cable was launch in August 2013
- * Supplier of the system was Alcatel Lucent

Tonga submarine fibre cable

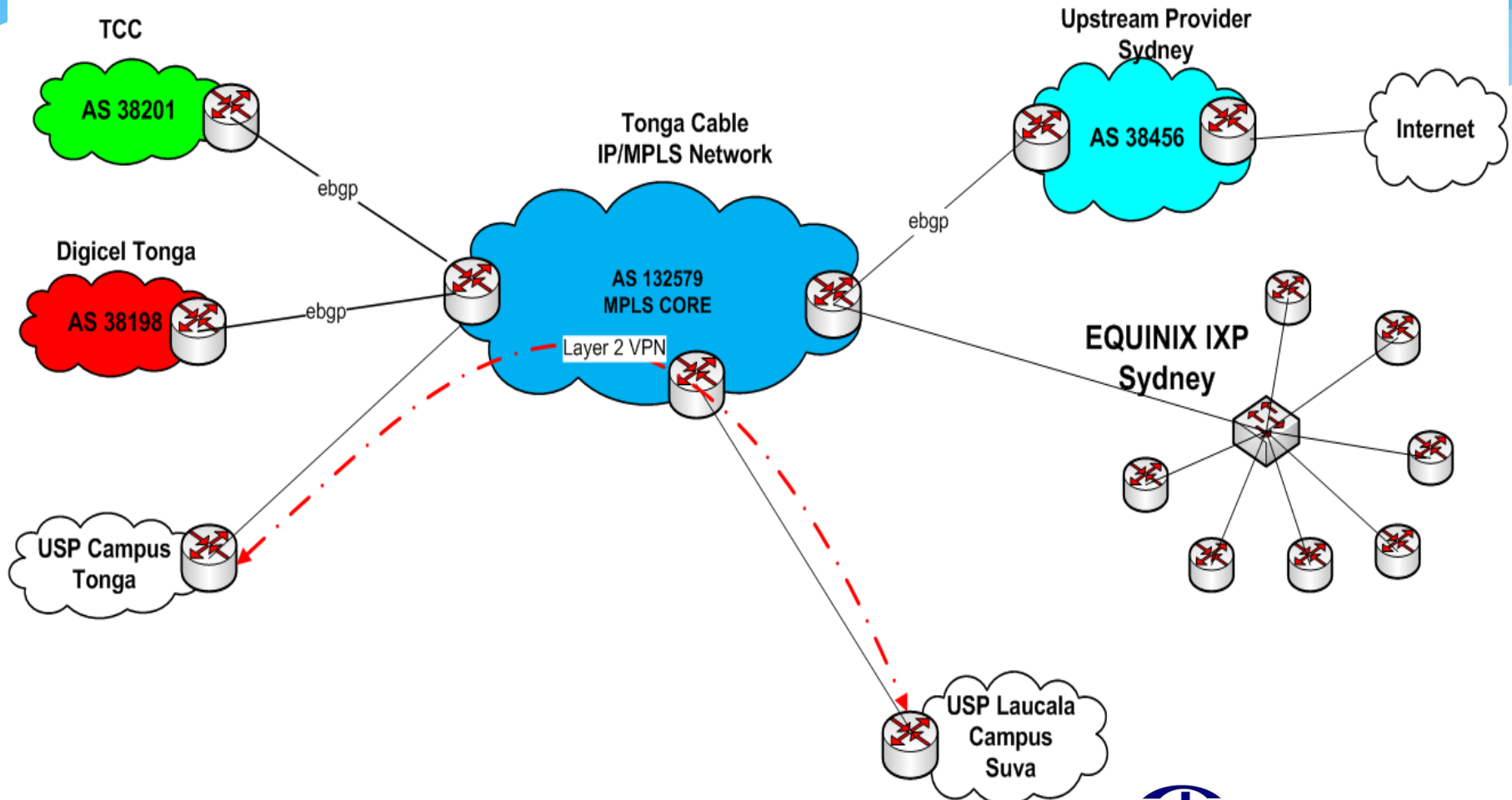


- * Cable length – 827kms
- * 1 fibre pair
- * System Capacity – 320Gbps
- * Initial capacity configured – 20Gbps

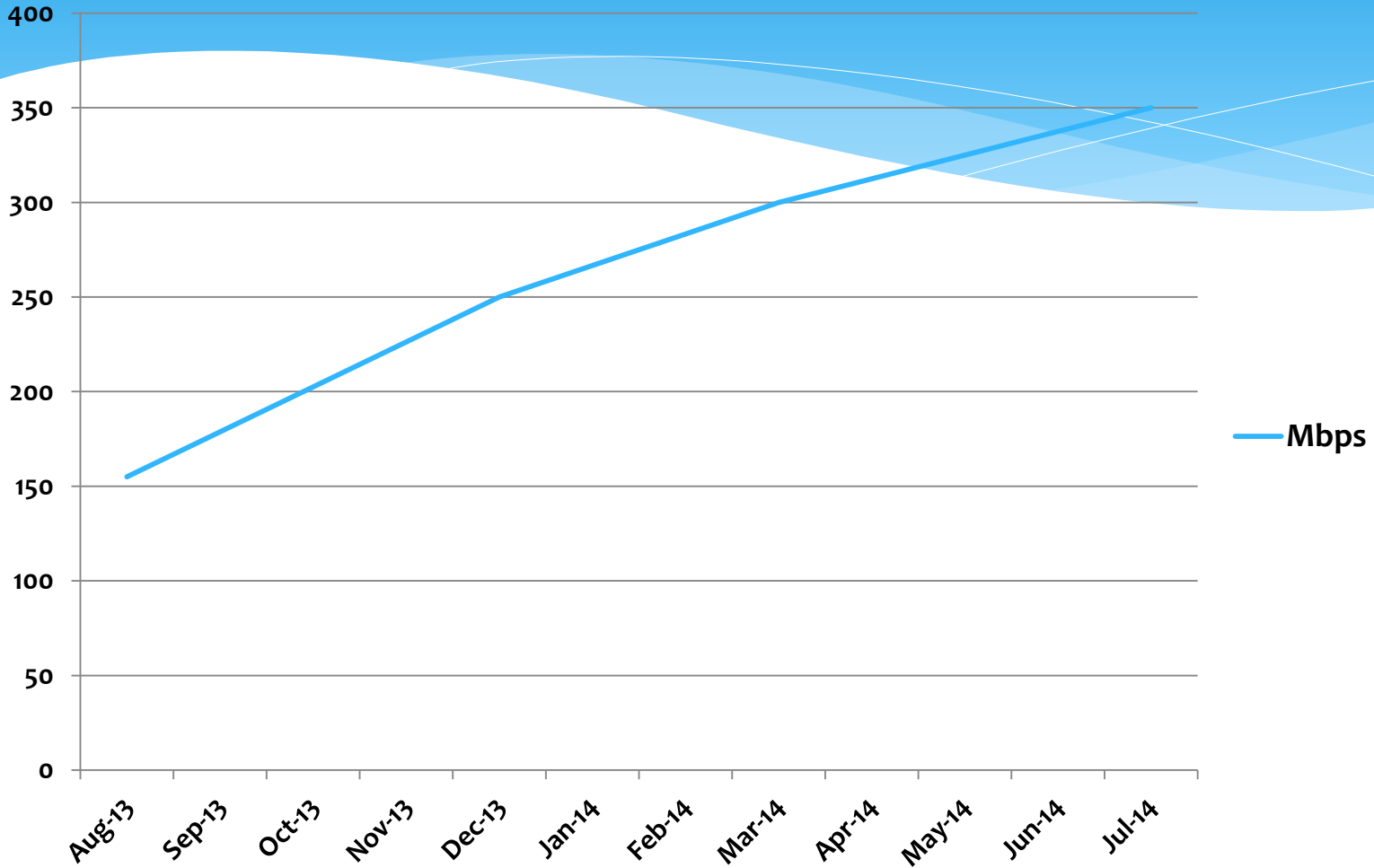
Tonga Cable IP TRANSIT NETWORK



Tonga Cable MPLS Network



Traffic Utilizations through Tonga Cable

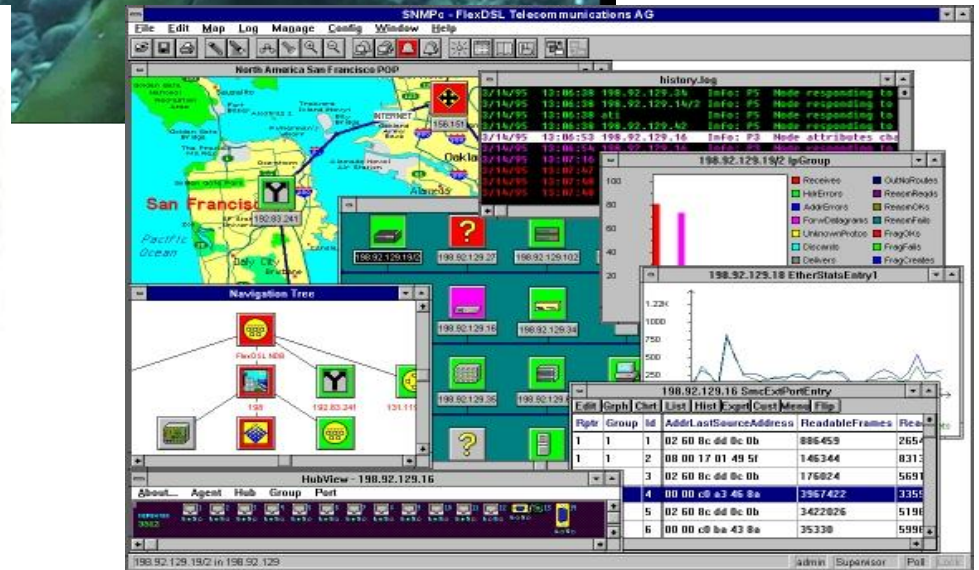


Tonga Cable Capacity

	Dropped in Fiji	IP Transit
Total Capacity Purchased	20%	80%
Traffic Utilizations from Capacity Purchased	-	80%
	SYDNEY TRAFFICS IP TRANSIT	
Upstream Provider		70%
Equinix IXP		30%



Tonga Cable Management



Tonga Cable Management Perspective

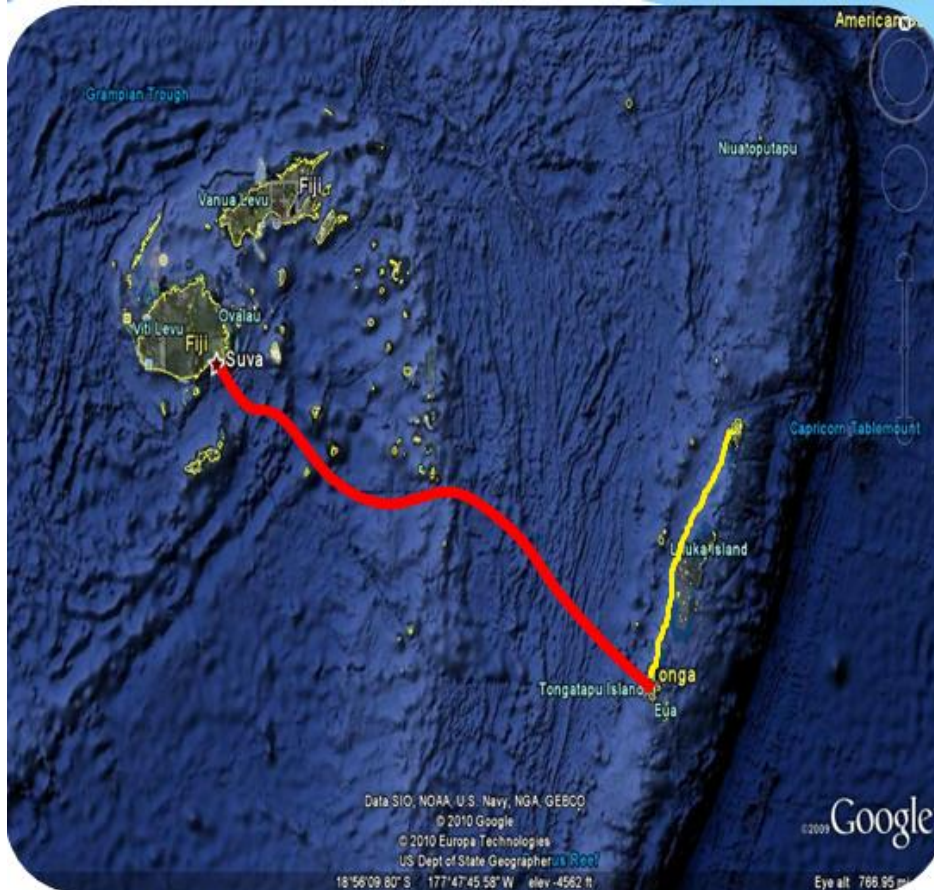
- * Operating 12 months by Aug 1st 2014
- * No Service Affecting Alarms so far
- * Minor Alarms due to fluctuating of Optical Power Input/Output on one channel

Service Technical Description

Service

- * Premium IP Transit
- * Carrier - Ethernet
 - * Layer 2
 - * Layer 3
- * Web Hosting Services
- * Data Centre

Tonga Domestic Cable



- * Linking Main Island to two other islands
- * 400 Kms

Thank you !!!

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SUBMARINE FIBRE-OPTIC CABLE
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