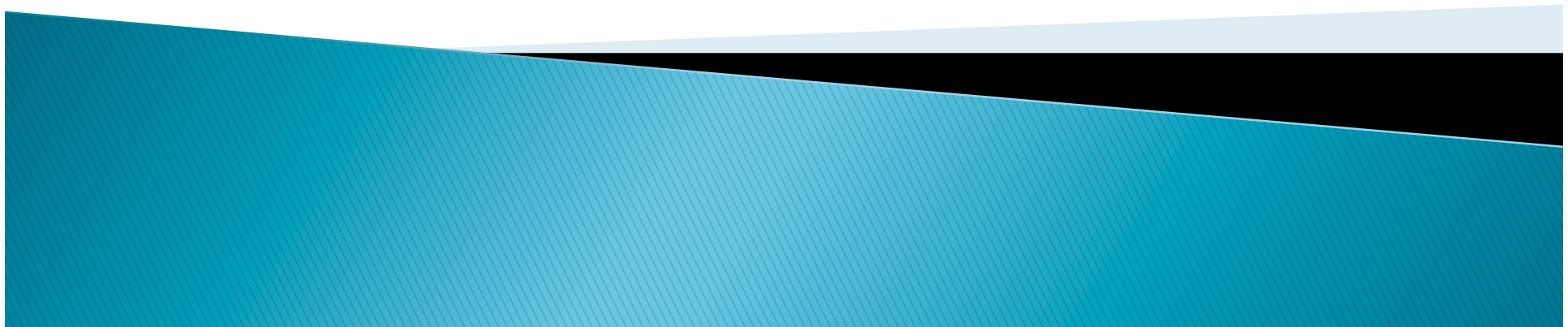


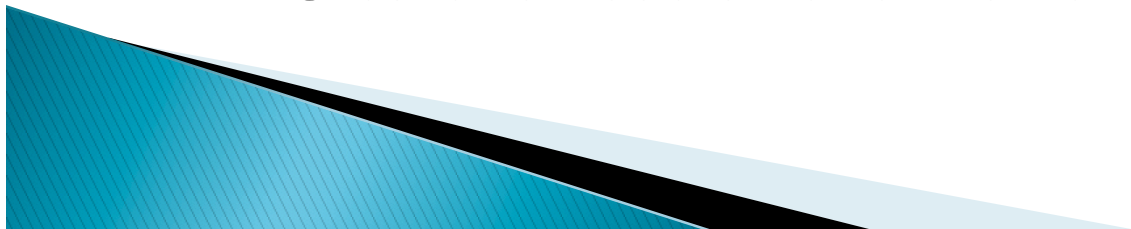
# PacNOG 13<sup>th</sup> Educational Workshops & Training

01 – 05 July 2013 – Nuku'alofa,  
Tonga



# Brief Background of Telikom PNG

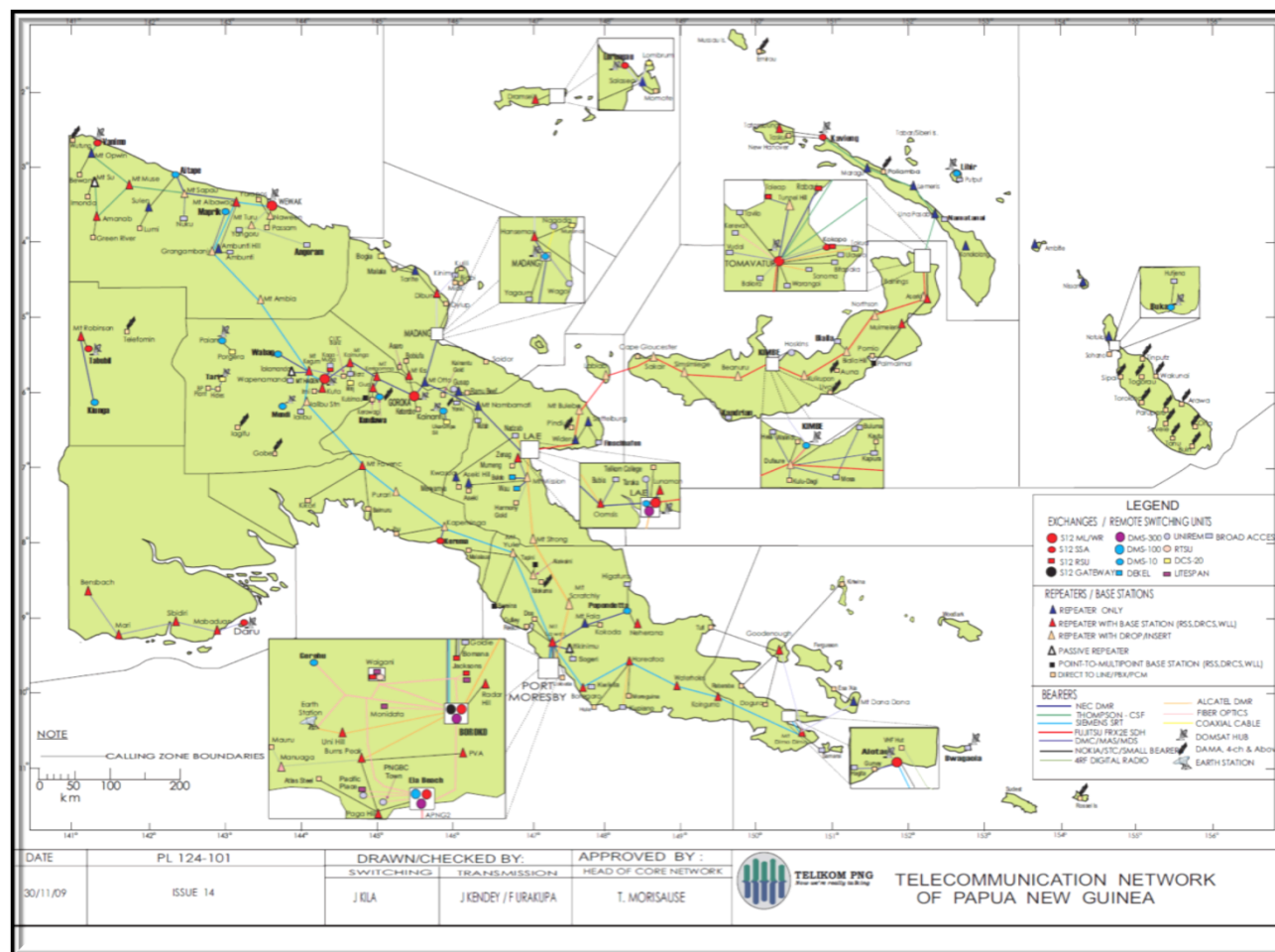
- ▶ Incumbent state owned telecommunications service provider with extensive digital network covering most regions of PNG including major towns & rural areas.
- ▶ Our network consist of microwave radio, copper cables, satellite & fibre optic in main centres of Port Moresby, Lae, Rabaul, Madang, Mt Hagen and Goroka.
- ▶ Telikom PNG operates & maintains 2 submarine cables providing international gateway links for PNG to the rest of the world.



- ▶ PPC-1 PIPE in Madang linking Guam
- ▶ APNG-2 in Port Moresby's Ela Beach to Sydney
- ▶ Services provided by Telikom PNG include;
  - Landline
  - CDMA Fixed Wireless Voice & Data
  - Wimax Broadband Internet
  - VSAT
  - PABX
  - IPLAN, VPN & Video Conferencing



# Network Coverage



# MAJOR PROJECTS

- ▶ MAJOR BEARER UPGRADE FOR MICROWAVE TO CATER FOR INCREASED TRAFFIC DUE TO ECONOMIC BOOM CAUSED BY THE RESOURCE SECTOR.
- ▶ INTEGRATED GOVERNMENT INFORMATION SYSTEMS PROJECT WITH HUAWEI TECHNOLOGIES.
- ▶ NATIONAL BROADBAND NETWORK WITH HUAWEI TECHNOLOGIES.
- ▶ ***WIFI HOTSPOT DEPLOYMENT – CARRIER GRADE HOTSPOT SOLUTION.***

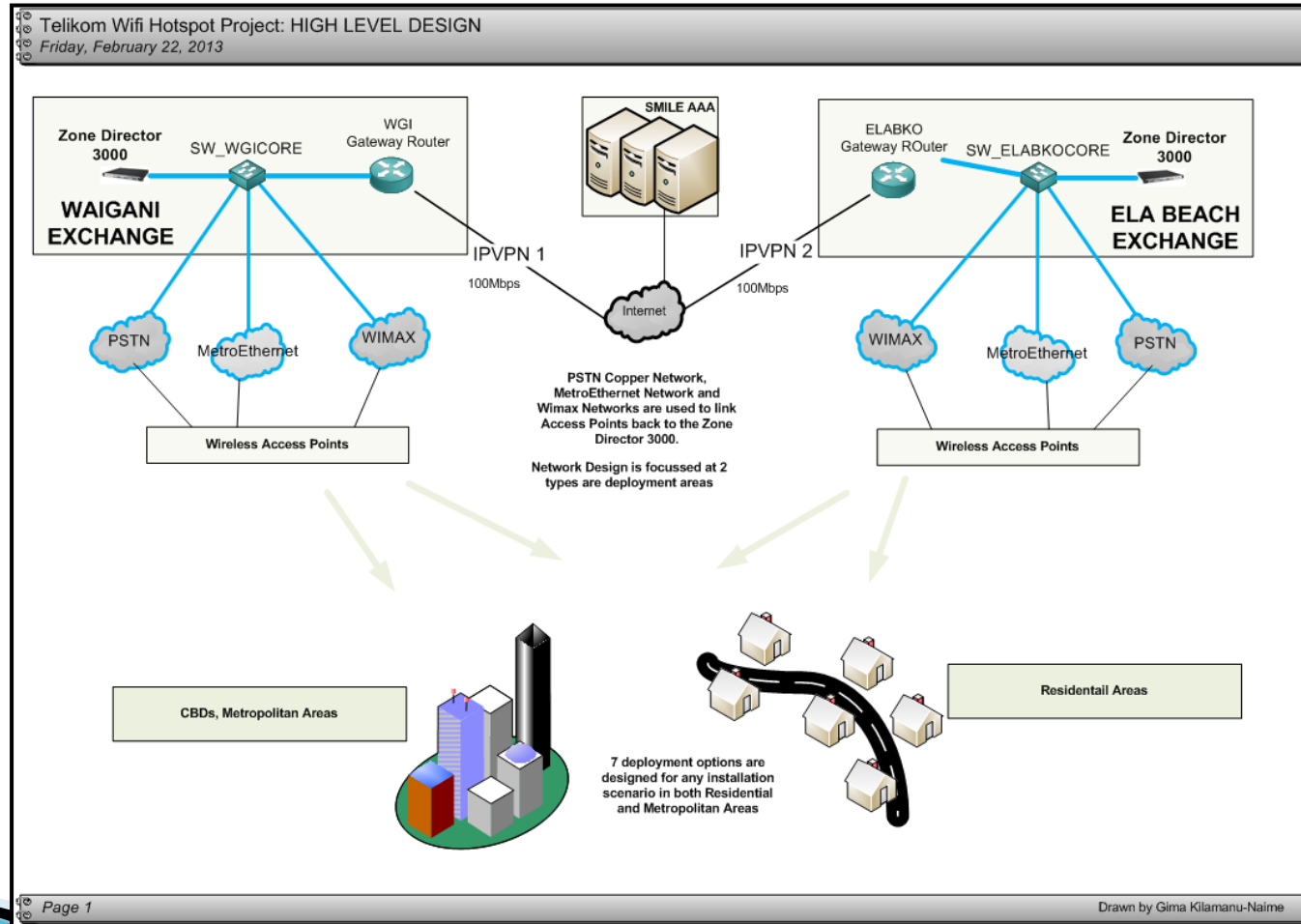
# Carrier Grade Wi-Fi Hotspot Solution

- ▶ Due to the exponential growth of Internet usage and high availability of Wi-Fi enabled devices introduced by mobile operators and business in PNG.
- ▶ Pilot Project conducted by Telikom PNG in Port Moresby has proven that Telikom PNG can add value to its existing copper and fiber networks by using it to extend Wi-Fi coverage.
- ▶ Device Compatible (Goodbye Network Compatibility)



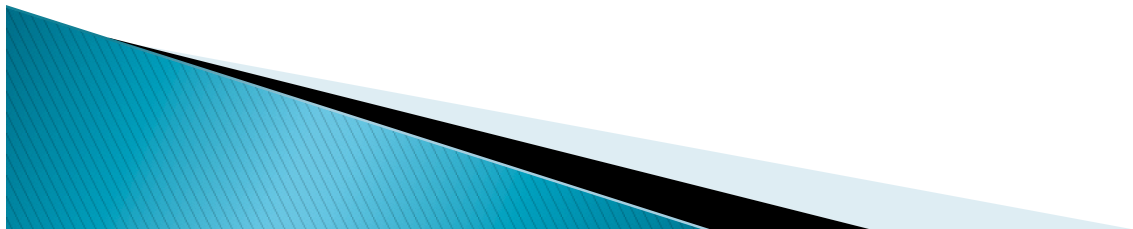


# Carrier Grade Wi-Fi Hotspot Solution



# Carrier Grade Wi-Fi Hotspot Solution

- ▶ Request for Tender has been sent out.
- ▶ Four vendors responded – Ruckus, Cisco, Alvarion and Aruba Networks
- ▶ Currently an evaluation committee has now being formed to evaluate bids & selected the best vendor





# Goals & Objectives of Wi-Fi

- ▶ To successfully integrate Wi-Fi network solution with existing network infrastructure for superior internet browsing experience.
- ▶ To provide rich internet experience for high user density areas.
- ▶ To provide an alternative Wi-Fi service to those already in the market.
- ▶ To take advantage of the rapid increase in the availability of Wi-Fi enabled devices e.g. laptops, PDA, tablets & smart phones.



# Challenges

- ▶ Increased competition in both voice and data offered by our competitors & De-regulation of the ICT industry in PNG.
- ▶ Telikom PNG is meeting this challenges by trying to introduce products and services that can be competitive and viable in the long run.
- ▶ Increased law & Order issues – Destruction of Telecommunication infrastructures such as towers & cables.
- ▶ New regulations and policies to stimulate growth in the ICT sector in PNG has now enabled demand for innovative services to grow & Telikom PNG will need to pull its act together to survive

