

Brief Presentation on: INTERNET IN NAURU

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NAURU

Brief Description of Nauru

- Nauru is one Island of 8 square miles
- Drive around it in 15 minutes @ 40 miles per hour
- Located just a few degrees South of the Equator
- Population of 10,000 people (including expatriates)
- Current Connectivity to the outside World:
 - Mobile Phones (Digicel & Nauru Govt. Partnership) Launched in August 2009
 - Internet provided by Cenpacnet Inc. (Since 2000) as an ISP and Digicel via their USB Wifi Stick
 - Satellite Phones as used by Australian assistance Teams in Nauru.
 - Satellite Internet connections for other institutions as USP Nauru Campus, Australian High Commission.









Topics On this Presentation

- SET UP OF INTERNET ON NAURU
- ORIGINAL INTERNET CONNECTIVITY IN NAURU
- CURRENT INTERNET CONNECTIVITY IN NAURU
- CURRENT PROBLEMS
- SOLVING THESE PROBLEMS

- INTRODUCING WIFI IN NAURU
- PROBLEMS WITH EXISTING WIFI & LIMITATIONS
- CURRENT SITUATION OF INTERNET IN NAURU
- ***ONE OF MY OBJECTIVES WHILE AT PacNOG 6 TO SEEK ANY ASSISTANCE/SOLUTIONS ON CURRENT CENPACNET PROBLEMS.*****

Introduction

- HOW CENPACNET INC. IS INVOLVED IN NAURU INTERNET
- RESPONSIBILITY OF CENPACNET INC. ON NAURU INTERNET
- EXISTING INTERNET SET UP IN NAURU

HOW CENPACNET INC IS INVOLVED WITH INTERNET IN NAURU

- NO INTERNET IN NAURU PRIOR TO 1998.
- CENPACNET INC. WAS CREATED TO BE THE INTERNET SERVICE PROVIDER (ISP) ON ISLAND
- GOVERNEMENT OWNERSHIP OF CENPACNET IS THROUGH THE TWO GOVT. ENTITIES WHICH JOINTLY OWNS CENPACNET, UNDER MINISTRIES OF TELECOMMUNICATIONS & MINISTRY FOR NAURU PHOSPHATE ROYALTIES TRUST.
 - NAURU PHOSPHATE ROYALTIES TRUST (NPRT) (51%)
 - RONTEL CORPORATION (49%)

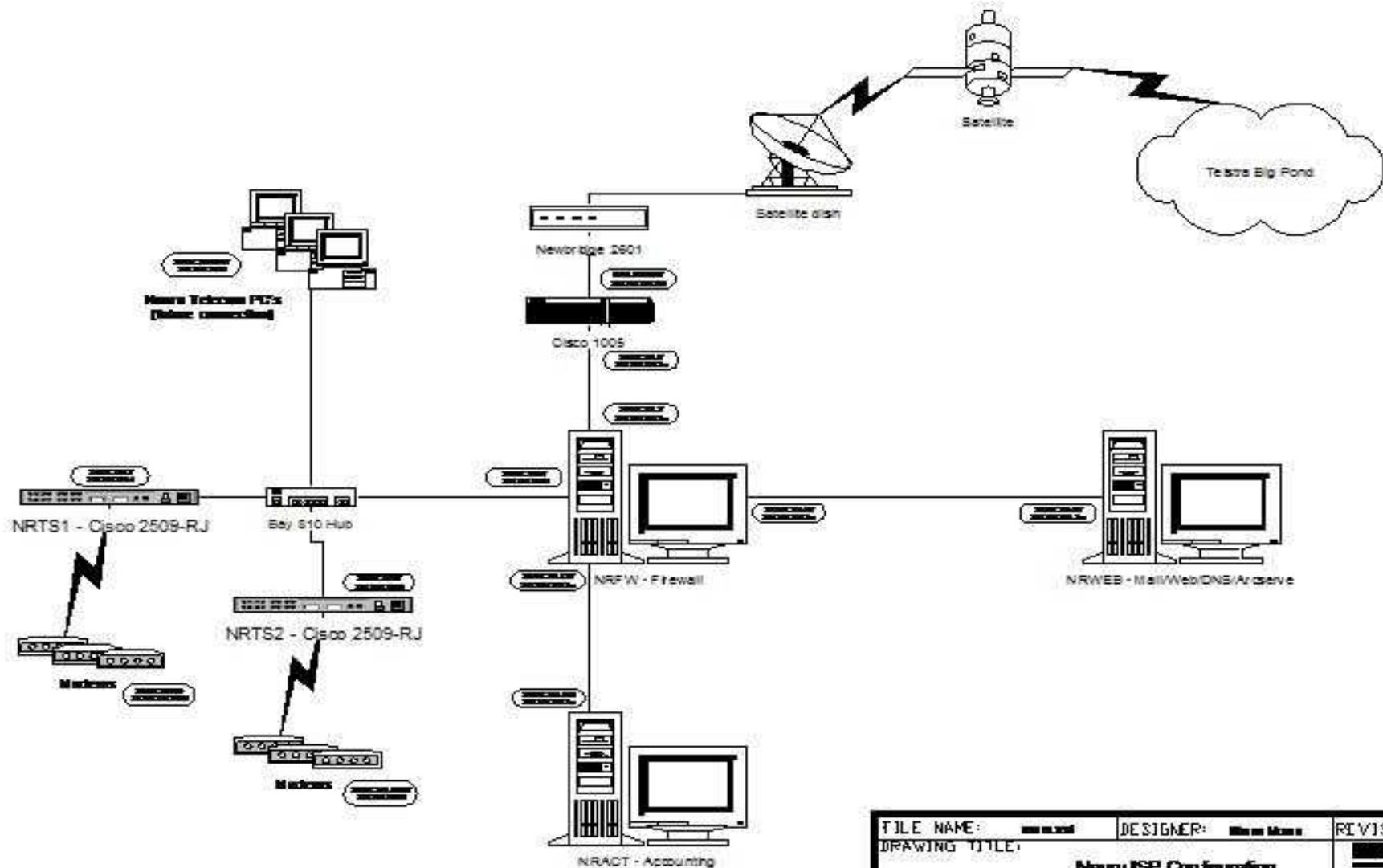
RESPONSIBILITY OF CENPACNET ON NAURU INTERNET

- PROVIDE INTERNET ON NAURU
- OPERATE AND MAINTAIN THE .nr ccTLD
- PROVIDE AND MAINTAIN WEBMAIL SERVER UNDER@cenpac.net.nr

BRIEF DESCRIPTION OF INTERNET SETUP ON NAURU

- INTERNET ON NAURU BEGAN IN 1998
 - PLAN FOR INTRODUCING ONLINE CASINO
 - PROPOSAL WAS PUT TO GOVT. FOR SETTING UP INTERNET CONNECTIVITY

OLD CONFIGURATION SET UP FOR NAURU INTERNET IN 1998.



FILE NAME:	DESIGNER:	REVISION:
DRAWING TITLE:	Nauru ISP Configuration	
DRAWING NUMBER:	STATUS:	DATE:

EXISTING CONFIGURATION SET UP FOR NAURU INTERNET

TECHNICAL MAINTENANCE OF NAURU INTERNET UP TO JUNE 2009

- MAINTENANCE OF EQUIPMENT PRIOR TO JUNE 2009 WAS BY OUR FORMER TECHNICIAN (AND ALSO THE “TECH C’ FOR THE .nr DOMAIN NAME. MR. JON LEEMAN , HE WAS FAMILIAR WITH AND HAD ALWAYS BEEN ABLE TO HANDLE ANY PROBLEMS THAT WE HAVE BEEN FACED WITH .
- MR. LEEMAN PASSED AWAY IN JUNE AND WE HAVE NOT BEEN ABLE TO REPLACE HIM SINCE.

CURRENT PROBLEMS

- SPEED RELATED PROBLEMS:
 - FOR CENPACNET AND MOST OTHER BANDWIDTH USERS: SLOW INTERNET SPEED EVEN WITH INCREASE IN BANDWIDTH FROM 328 kbps TO 384 kbps
 - REGULAR DIPS AS SHOWN ON THE “PLANET” BANDWIDTH MANAGER READINGS.

CURRENT PROBLEMS (Cont.)

- MAILSERVER RELATED PROBLEMS:
 - NO ONE IS FAMILIAR WITH SOME OPERATIONS AND PROCEDURES OF MAINTAINING THE MAILSERVER
 - IF ANY MANUAL UPDATING PROCESSES OF MAILSCANNER IS REQUIRED
 - OTHER PROCESSES AND PROCEDURES ASSOCIATED WITH THE MAILSERVER THAT NEEDS TO BE ATTENDED TO NEEDS TO BE KNOWN AND ACTIONED

CURRENT PROBLEMS (Cont.)

- MAILWATCH RELATED PROBLEMS:
 - NO ONE KNOWS HOW TO OPERATE / MAINTAIN MAILWATCH
 - IF ANY MANUAL UPDATING PROCESSES OF MAILWATCH IS REQUIRED
 - SO THAT THE SYSTEMS HAVE BEEN LEFT “AS IS” AND WE DO ONLY THOSE THINGS THAT WE CAN (WITH ASSISTANCE OF GOVT. ICT DEPARTMENT. BUT NOT MUCH IS KNOWN BY ALL AND THEREFORE VERY LITTLE IS DONE.

POSSIBLE DANGERS:

- SHOULD THERE BE A MAJOR SPAM OR SIMILAR ATTACK ON OUR MAILSERVER OR OTHER MACHINES THAT ARE CONNECTED TO THE WORLD WIDE WEBB.
- OTHER FORM OF ATTACKS AND HACKING WILL NOT ABLE TO BE HANDLED BY MYSELF AND EXISTING CENPACNET INC. STAFF, INCLUDING GOVT. ICT DEPT.
- IT IS POSSIBLE THAT PROBLEMS MAY, NOT ONLY EFFECT NAURU INTERNET BUT MAY ALSO EFFECT OTHERS IN THE REGION.

WHAT DOES CENPACNET INC NEED?

- URGENT ASSISTANCE BY WAY OF:
 - ADVICE ON WHAT NEEDS TO BE DONE ON:
 - ❑ PROCEDURES NEEDED TO BE TAKEN
 - ❑ PROCESSES NEEDED TO BE TAKEN
 - ❑ GUIDANCE TO PREVENT ANY POSSIBLE DISASTERS.

WHAT HAS BE DONE TO DATE:

- NAURU GOVERNMENT HAVE DECIDED TO TAKE BACK THE “.nr” TOP LEVEL DOMAIN NAME
- IN ORDER TO PREPARE ITSELF FOR THIS MOVE, GOVERNMENT HAS APPROVED THAT THE “.nr” DOMAIN NAME WILL BE TECHNICALLY MANAGED BY AusRegistry of AUSTRALIA ON A TEMPORARY BASIS, UNTIL IT IS TECHNICALLY READY TO TAKE BACK THE DOMAIN NAME. THIS MOVE IS ALREADY IN PROGRESS.

FINALLY AND IN CONCLUSION

- OUR CURRENT PROBLEMS LIE IN THE TECHNICAL RUNNING AND MAINTENANCE OF OUR MAILSERVER AND IN THE MAINTENANCE AND CONTROL OF OUR NETWORK SYSTEMS. WE DO HOPE THAT WE MAY BE ABLE TO GET SOME ASSISTANCE IN ANY FORM FROM THIS MEETING.
- I WILL BE HAPPY TO MEET WITH THOSE WHO FEEL THEY MAY BE ABLE TO ASSIST ANYTIME AFTER THIS SESSIONS
- AND ANY QUESTIONS OR FURTHER INFORMATION NEEDED, I WILL BE HAPPY TO PROVIDE ANYTIME DURING QUESTION TIME AND AFTER .
- THANK YOU