



FSM TELECOMMUNICATIONS CORPORATION  
COUNTRY REPORT

PacNOG 32  
NUKU'ALOFA, TONGA  
November 27, 2023

# Objective

Brief summary of current network status

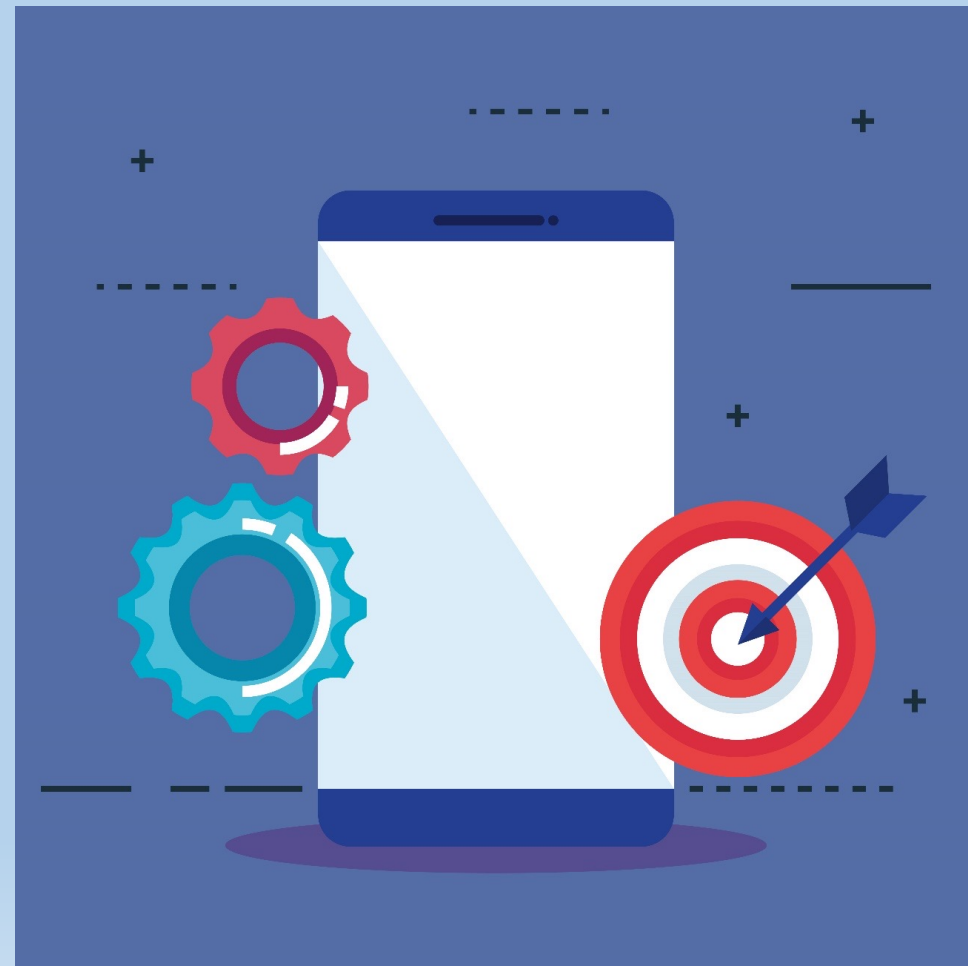
Network Design

Equipment used

Current Packages/Rates

Key Issues and Challenges

Conclusion



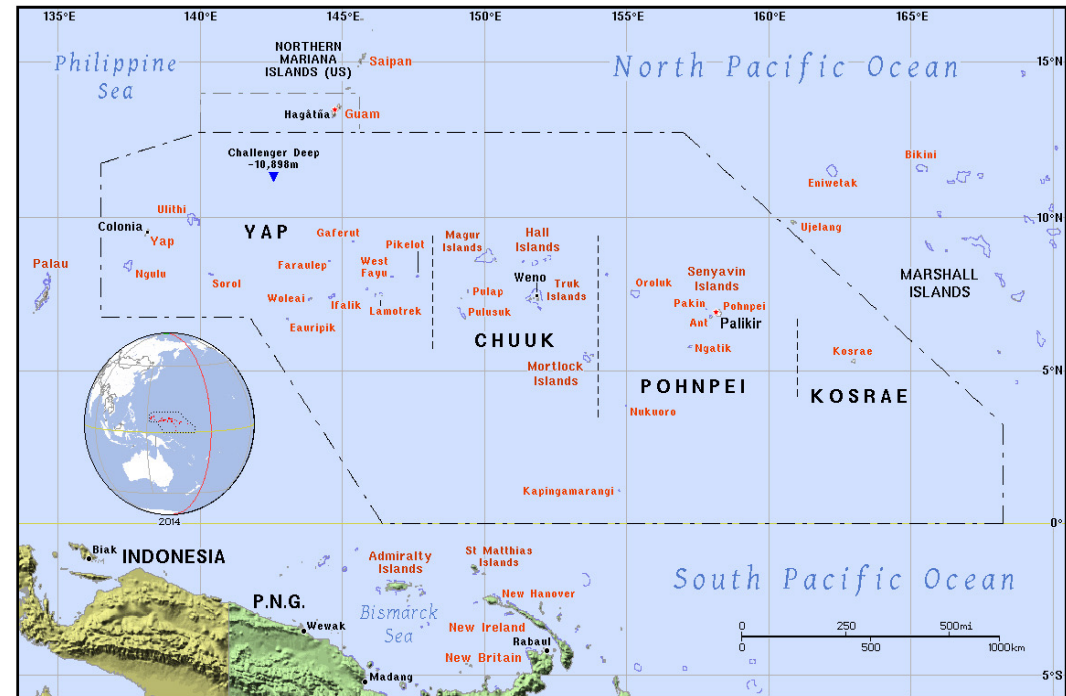
# FSMTC Services:

## Internet

- IPTV
- VMWare hosting
- Internet ADSL/FTTH
- VDSL
- Fiber
- Prepaid WiFi Hotspots
- WiFi for outer islands via Microwave Links
- .FM Domain Registry

## Mobile/Cellular

- 2G/3G/4G



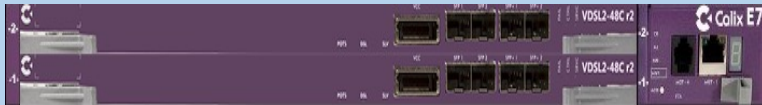
**FEDERATED STATES OF MICRONESIA**

# Pohnpei 10GB Ring

1GB Mini Rings

Calix Blades

- Calix E7
- Calix B6-214/216
- Calix E3



# GPON

- Cisco Catalyst 3850 XS  
10GB SFP+



- GPON - 10GB capacity  
using ZTE C320 GPON  
OLT



# ADSL/VDSL/ONT

- Comtrend
  - Comtrend AR5220u
  - Comtrend AR5319
  - Comtrend NL3112u
  - Comtrend VR3030
- ZTE
  - ZTE VDSL H337A
- Huawei
  - Huawei VDSL HG659
- Calix
  - Calix 844GE GigaCenter
- ZTE GPON
  - GPON ONT F660
  - GPON ONT F612



# Cellular Network

57 Cell Sites

Cellsite backhauls using calix ONT connecting to E7 blades

<u>Pohnpei Sites</u>	<u>Status</u>	<u>Chuuk Sites</u>	<u>Status</u>	<u>Yap Sites</u>	<u>Status</u>	<u>Kosrae sites</u>	<u>Status</u>
Sokehs	2G,3G,4G	Tonachau	2G,3G,4G	Mary	2G,3G,4G	Lelu	2G,3G
Sokehs 2.0	2G,3G,4G	CO	2G,3G	Taabiywol	2G,3G	Tofol	2G,3G
HQ	2G,3G,4G	Kurassa	2G,3G,4G	Buchaq	2G,3G	Okat	2G,3G
PMA	3G,4G	Nantaku	2G,3G,4G	Guliiq	2G,3G,4G	Wiya	2G,3G
Cupid	2G,3G,4G	Transco	2G,3G	Rumung	2G,3G	Malem	2G,3G
Nantuelek	3G,4G	JohnSohl	2G,3G,4G	Rang	2G,3G	Utwe	2G,3G
Paul	2G,3G,4G	Wichap	2G,3G,4G	Gilman	2G,3G,4G		
Dolenuh	3G,4G	Penia	2G,3G	Dingin	2G,3G		
RohngKitti	3G,4G	Xavier	2G,3G,4G	YAP-CO	2G,3G,4G		
Alfred	2G,3G,4G	Eten	2G,3G				
Rohi	3G,4G	Ramanum	2G,3G				
SouthEast	3G,4G	Fred					
Temwen	3G,4G	Udot					
Lukop	3G,4G	Netutu					
Ninleu	2G,3G	Polle					
Joe	3G,4G	CHK_Kuchua	2G,3G				
Mwand	2G,3G,4G	Takuro	2G,3G				
Saladak	2G,3G,4G	Oneop	2G,3G				
AwakPah	3G,4G	Satawan	2G,3G				
Eirke	2G,3G	Moch	2G,3G				
Pakin	2G,3G	Piis Paneu	2G,3G				
Genesis PICO	4G	Onoun	2G,3G				
Nanpohnmal	3G,4G	Polowat	2G,3G				
Palikir	4G	Polap	2G,3G				
Black Sand	2G,3G						
Ahnd	2G,3G						

# Current ADSL/FTTH Counts

State	ADSL	FTTH	Total
Kosrae	552	2	554
Yap	531	929	1460
Chuuk	0	1029	1029
Pohnpei	2858	1840	4698
<b>Grand Total</b>	<b>3941</b>	<b>3800</b>	<b>7741</b>





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## Current Internet Rates and Mobile Plans

# KABOOM

**Bronze** • **Silver** • **Gold**  
 up to 10Mbps ↓    up to 15Mbps ↓    up to 20Mbps ↓

**Sapphire & Diamond**  
 up to 40Mbps ↓    up to 60Mbps ↓

**NEW RATES!**

PACKAGE	DOWNLOAD	UPLOAD	MONTHLY RECURRING
Kaboom Bronze	10Mbps	3Mbps	\$49
Kaboom Silver	15Mbps	4Mbps	\$75
Kaboom Gold	20Mbps	5Mbps	\$99
Kaboom Sapphire	40Mbps	10Mbps	\$198
Kaboom Diamond	60Mbps	10Mbps	\$297



# MOBILE PLANS

DIAL \*000# TO ACTIVATE A MOBILE PLAN

## DAILY PLANS

- 1. UNLIMITED 3: 3G/4G** **\$3**
  - DATA: UNLIMITED
  - Valid for 24hrs.
  - To activate the plan dial \*438\*20#
  - To activate Auto-Renew dial \*438\*21#
- 2. DAILY 5: 3G/4G** **\$5**
  - DATA: 100Mb
  - VOICE: 30 Mins.
  - SMS: 50 SMS
  - Valid for 24hrs.
  - To activate the plan dial \*438\*1#

## WEEKLY PLANS

- 1. 5 Days 100SMS Plan** **\$5**
  - SMS: 100
  - Valid for 5 Days
  - To activate the plan dial \*438\*8#
- 2. 5 Days 100Mins Plan** **\$5**
  - VOICE: 100 Local/Domestic calls
  - Valid for 5 Days
  - To activate the plan dial \*438\*9#
- 3. 5 Days 5GB Plan: 3G/4G** **\$5**
  - DATA: 5GB
  - Valid for 5 Days
  - To activate the plan dial \*438\*11#
- 4. 5 Days 5GB Plan Auto-Renew: 3G/4G** **\$5**
  - DATA: 5GB
  - Valid for 5 Days
  - To activate the plan dial \*438\*111#
- 5. 5 Days 12GB: 3G/4G** **\$10**
  - DATA: 12GB
  - Valid for 5 Days
  - To activate the plan dial \*438\*12#
- 6. 5 Days 12GB: Auto-Renew: 3G/4G** **\$10**
  - DATA: 12GB
  - Valid for 5 Days
  - To activate the plan dial \*438\*121#

## MONTHLY PLANS

- 1. MONTHLY 30: 3G/4G** **\$30**
  - DATA: 2GB
  - VOICE: 60 Mins.
  - SMS: 900 SMS
  - Valid for 30 Days
  - To activate the plan dial \*438\*2#
- 2. MONTHLY 40: 3G/4G** **\$40**
  - DATA: 40GB
  - VOICE: UNLIMITED (local/domestic)
  - SMS: UNLIMITED (local/domestic)
  - Valid for 30 Days
  - To activate the plan dial \*438\*22# or \*438\*23# (Auto Renew)

# Key Issues and Challenges

- Weather & Natural Disasters
- Understaffed
- Heavy reliance on third party support
- Virus/Malware
- CyberSecurity
- Competition



# Conclusion

Our hope is to :

- Minimize Challenges
- Fortify Network Security
- Improve Services

*Thank You*

