

PACIFIC BIOMEDICAL NETWORK MEETING

NAMES: - TOCIRO KATSUKI
- TANGATAILOA TUIFONUALAVA

DESIGNATIONS: - BIOMEDICAL CONSULTANT (DFAT)
- SENIOR BIOMED TECHNICIAN

COUNTRY: TONGA

TOPIC: SUPPORT TO PICTS

CHALLENGES – SUPPORT TO PICTS TONGA

1. WORKSHOP SETUP
2. INVENTORY
3. WORKFORCE STRUCTURE
4. PROCUREMENT

CHALLENGES -WORKSHOP SETUP

1. TEST EQUIPMENT

- FEW AVAILABLE BUT OUT OF CALIBRATIONS AND VALIDATION
- NO ELECTRICAL SAFETY ANALYSER

2. WORKBENCH AND STORAGE

- PLASTIC TABLES CURRENTLY USED WITH NO POWER SUPPLY (EXTENSION CORDS USED)

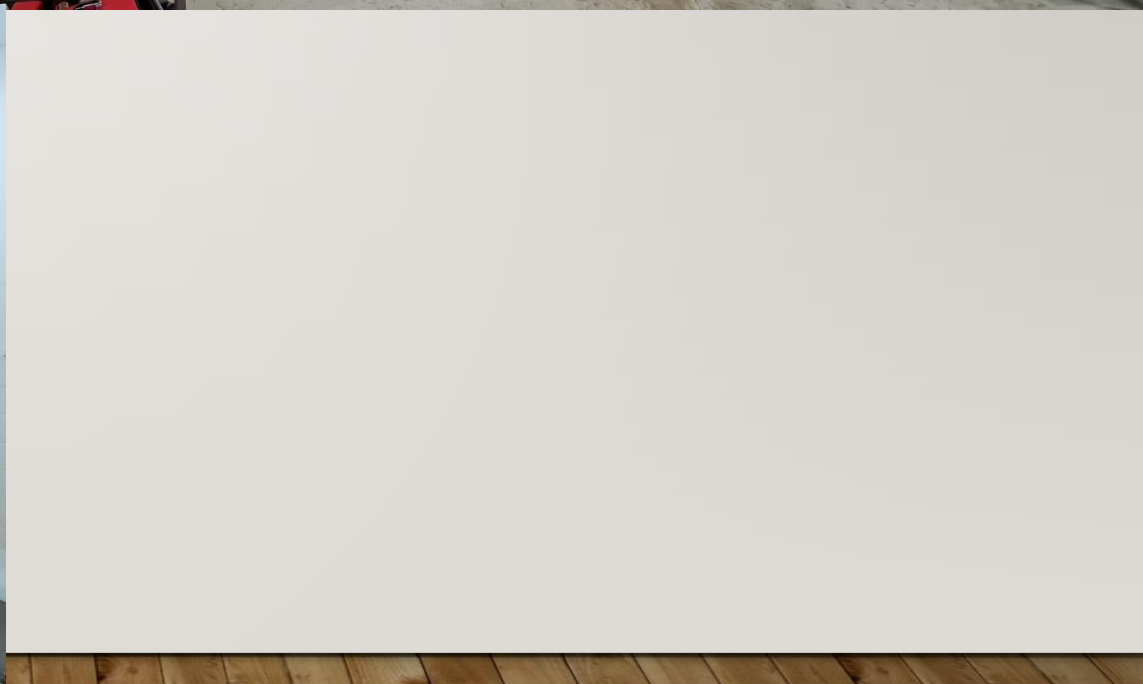
3. PPE – SAFETY GLASSES,BOOTS CLOTHING ETC

NO PPE PROVIDED





Improvements



CHALLENGES – WORKFORCE STRUCTURE

✓ **TRAINING**

- qualifications – highest available in Tonga – Trade certificate Electrical Engineering; electronics and instrumentation courses not locally available
- experience – current assistants have only 2-3 years experience and are employed as casual/daily paid and transferred to other departments when needed
- exposure – less for the wide range of equipment> always be assisted and guided> inadequate or lack of confidence> more workload for others

✓ **JDs** – lack of knowledge

- Channel of communications
- Duties and responsibilities

✓ **STANDARD PROTOCOLS**

- no protocols or standardized method of practice and documentation

CHALLENGES - INVENTORY

- **RECORDING DATABASE**

- No database available for recording of all medical equipment received and commissioning and preventative
- No available records of past repairs and services

- **REPORTING**

- No reporting templates or spreadsheets for ease of report

CHALLENGES- PROCUREMENT

❑ LACK OF INVOLVEMENT

- not included in the purchasing recommendations – specifications and quality
- hospitals received equipments of different models and makes – challenge to acquire parts> subject to availability of funds

❑ ASSESSMENT OF NEW AND DONATED EQUIPMENTS

- Donated equipment received without consumables or starter packs and in some cases not operational.

OPPORTUNITIES AND DEVELOPMENTS

1. STAFF TRAINING (CPD)
2. PURCHASE OF NEW TESTING EQUIPMENTS AND PPEs
3. UPGRADE OF INVENTORY
4. BIOMEDICAL STRUCTURE-DRAFT SUBMITTED
5. INVOLVEMENT AND COMMITMENT IN PROCUREMENT
– NEW AND DONATED EQUIPMENT

RECOMMENDATIONS - TONGA

1. CONTINUOUS SUPPORT FOR TRAINING (CPD) – TECHNICIANS; specifically biomedical and report writing(documentation)
2. PPEs
3. MORE INVOLVEMENT IN PROCUREMENTS
4. *STANDARDIZATION OF BME PRACTICE AND DOCUMENTATIONS FOR THE PICTS

ACKNOWLEDGEMENTS

1. DFAT – ENABLING SUPPORT FOR THE PICTS – TONGA
2. SPC – CONTINUOUS SUPPORT AND ORGANISING THIS MEETING
3. WHO

MALO'AUPITO