

The Nauru Media Bureau Broadcasting Systems

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Current System

**Currently,
Nauru is still
operating on
an analogue
system to
deliver
television and
radio
broadcast**





Current System

Most of the Nauru Media broadcasting equipment are outdated and has not been updated since it inception in 1991

The Nauru Government Goals

- The current administration has already made plans to convert from analogue to digital and are still in the planning stages.
- Consultations with experts has already begun, with plans to send Media technicians like myself to workshops like this to prepare for the transition.

The Nauru Government Goals

- ITU experts like Mr Colin Knowles has already prepared a roadmap draft for Nauru.
- On March-April 2014 the roadmap transition from analogue to digital terrestrial television broadcasting (DTTB) for Nauru was developed.

Setbacks

- The date for the Analog Switch-Off (ASO) has not been determined as of yet.
- The Nauru Government are still undetermined as to the best avenue to take, so as to maximise its upgrade capacity for Nauru Media and what financial aid they can package and deploy.

The Current System

Signal Towers

There are only two signal towers for the Media Bureau in Nauru as seen in Diagram 1

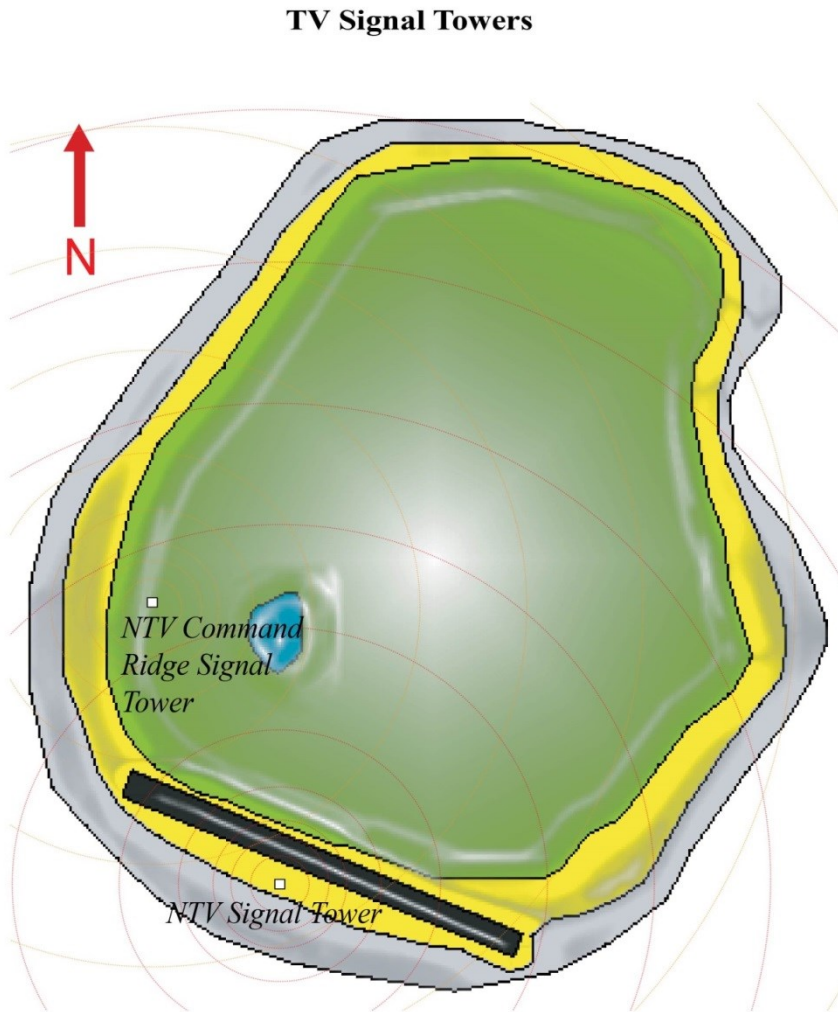


Diagram 1; The location of the two TV signal Towers in Nauru

Signal Towers

There is the
Transceiver Tower
next to the Nauru
Media Bureau
building in Yaren
District close to
the Nauru
Government
Buildings





Signal Towers

YAREN

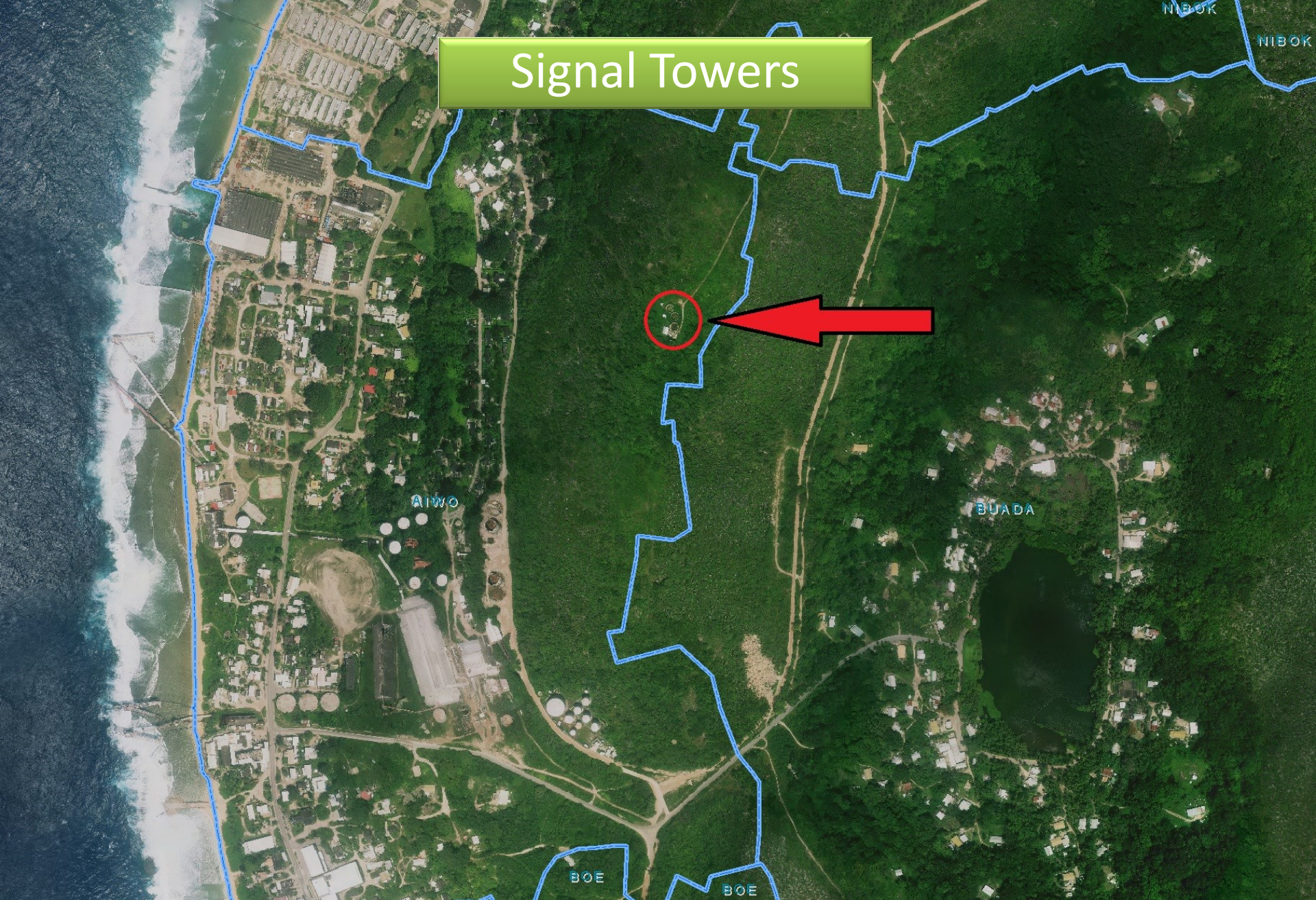
The Transceiver Tower for the one in Yaren District is located next to the Government buildings

Signal Towers

The other Transceiver Tower (Highlighted) which feeds the further end of the island is located at the Command Ridge next to the Digicel Signal Tower.



Signal Towers



The Transceiver Tower at the Command Ridge is located at the topside of Aiwō District

Transceiver units

There are several transceiver units used to receive and send TV and Radio frequencies as seen in this photo for the primary unit in the Media building in Yaren District



Transceiver units



A close-up of the primary TV transceiver unit in the Media building is the primary transceiver for the entire island

Transceiver units



The secondary transceiver units are located at the Command Ridge in Aiwo District which further distributes the signals to the other end of the island

Transceiver units

The secondary and primary TV transceiver has the capabilities to be used for digital feed and transmission



Earth Satellite Dish Units



Currently there are three earth satellite dish used by the Nauru Media Bureau. All three Earth Dish are located in Yaren District. As can be seen here the so called 4.5 meter dish.

Earth Satellite Dish Units



The Earth Dish being used to receive signal from IS18 is the 3.5 meter dish, called so because of its diameter size

Earth Satellite Dish Units



The other Earth Dish is located right on top the Nauru Media Bureau building and is named the 4.5 meter dish in relation to its size and is in need of major repairs

Earth Satellite Dish Units



The other Earth Dish is named the 6.5 meter dish and is located at the Information and Communication Technology (ICT) offices.

Earth Satellite Dish Units



There is another Earth Dish located also at the ICT offices but is not in use at the moment but can be utilized for digital feed as well. We call this the “Other Dish”.

Receiver Units

There are several receivers used by the Bureau, mostly for TV and Radio feed from the Australian Broadcasting Corporation (ABC)



Receiver Units



There is also a new receiver which was given to the Bureau by the British Broadcasting Corporation (BBC)

Receiver Units



On the top rack a receiver from Television New Zealand (TVNZ) used to receive TVNZ One, on the second row a Clearview receiver used for Australia Plus TV feed, on the third row a Sky Pacific receiver used for Radio Australia and then of course the BBC receiver for BBC news

Broadcasting Units or transmission rooms



The TV transmission room consists of a computer using the Adobe Premier Pro video editing program to play back locally produced news going through a video canopus and a video mixer for switching channels. There is also an old Computer Generated Image (CGI) typewriter unit still in use

Broadcasting Units or transmission rooms



The Radio transmission room also consists of a computer or two using the Station Playlist Studio program to compile and playback songs and radio interviews. A Falcon Elan professional audio mixer is used for audio transition and radio interviews.

Challenges for Nauru

The major challenges faced by the Media Bureau are;

- **Lack of skilled practitioners of Media and Communications**
- **Financial Constraint**
- **Logistics**
- **Government Approval**

Support for Nauru and possibly other pacific nations

- **Skilled practitioners of Media and Communications required to educate developing nations in the pacific**
- **More Financial Support**
- **Better Logistics**
- **Government Approval**
- **Technical support from experts**

The End
Tubwa Korr
Thank You Very Much