

## Scope of Work (SOW)

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### SOW: Refurbish of Antenna (Satellite Dish) 7 Gearboxes:

#### 1. Antenna MODELS:

- 1.1 11m C-Band Scientific Antlanta (PA 1.1) - QTY = 1 (Azimuth Only Gearbox)
  - 1.2 11m C-Band Scientific Antlanta (PA 1.4) - QTY = 2 (Azimuth & Elevation Gearboxes)
  - 1.3 9m KU-Band Scientific Antlanta (PA 2.1) - QTY = 2 (Azimuth & Elevation Gearboxes)
  - 1.4 9m KU-Band Scientific Antlanta (PA 2.2) - QTY = 2 (Azimuth & Elevation Gearboxes)
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#### 2. Objective:

The primary objective of this scope of work is to refurbish the gearboxes of the 11 C-Band & 9m KU-Band Antenna, ensuring optimal performance, longevity, and functionality.

#### 3. Scope Details:

##### Antenna Gearboxes (Quantity = 7)

##### 3.1 Removal of Gearbox:

- Safely remove the gearbox from its mounting position.
- Ensure proper labeling and documentation of the removed gearbox and associated components to ensure correct reinstallation.

##### 3.2 Refurbishment of Gearbox:

- Disassemble the gearbox to inspect all internal components for wear, damage, or any other issues.
- Clean and replace any worn or damaged parts.
- Lubricate all moving parts.
- Conduct a thorough testing of the refurbished gearbox.

### 3.3 Reinstallation and Testing of Gearbox:

- Safely reinstall the refurbished gearbox to its original mounting position.
- Conduct functional tests on the antenna to confirm the proper operation of the gearbox.
- Perform an alignment check to ensure the antenna is tracking accurately post-installation.

## 4. General Requirements:

- Removal and Re-installation work must be carried out an experienced technicians familiar with C and KU-Band Antenna systems.
- Ensure safety protocols are followed at all times during the removal and reinstallation processes to prevent any injuries or accidents.
- Provide a detailed report upon completion of the refurbishment, outlining the work done, parts replaced, and any recommendations for future maintenance.

**Completion:** Upon completion of the refurbishment work, the antenna system should operate smoothly without any issues related to the gearbox. Any anomalies or issues identified during the testing phase should be promptly addressed to ensure the system's optimal performance.

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## 5. Notes:

- 5.1** For any additional work required after the acceptance of the quotation, a new quotation must be submitted to Sentech for approval prior to commencing the work.