



NORTHERN WAM UPS RFQ BRIEFING

Thabo Maribe

07 June 2023

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- SCOPE OF PRESENTATION
- COMPANY BACKGROUND
- RFQ DETAILS
- PROCUREMENT REQUIREMENTS
- TECHNICAL REQUIREMENT

SCOPE OF PRESENTATION

- Procurement Team will present the Procurement Requirements.
- Technical Team will present the Technical Requirement.
- Bidders can pose questions during the presentation
- ATNS Team will respond to questions, and should the team require to consult from the principals, questions must be submitted in writing and ATNS will respond in writing.
- Answers to all questions submitted in writing will be publish on the website: <https://www.atns.co.za>.

COMPANY BACKGROUND

ATNS:

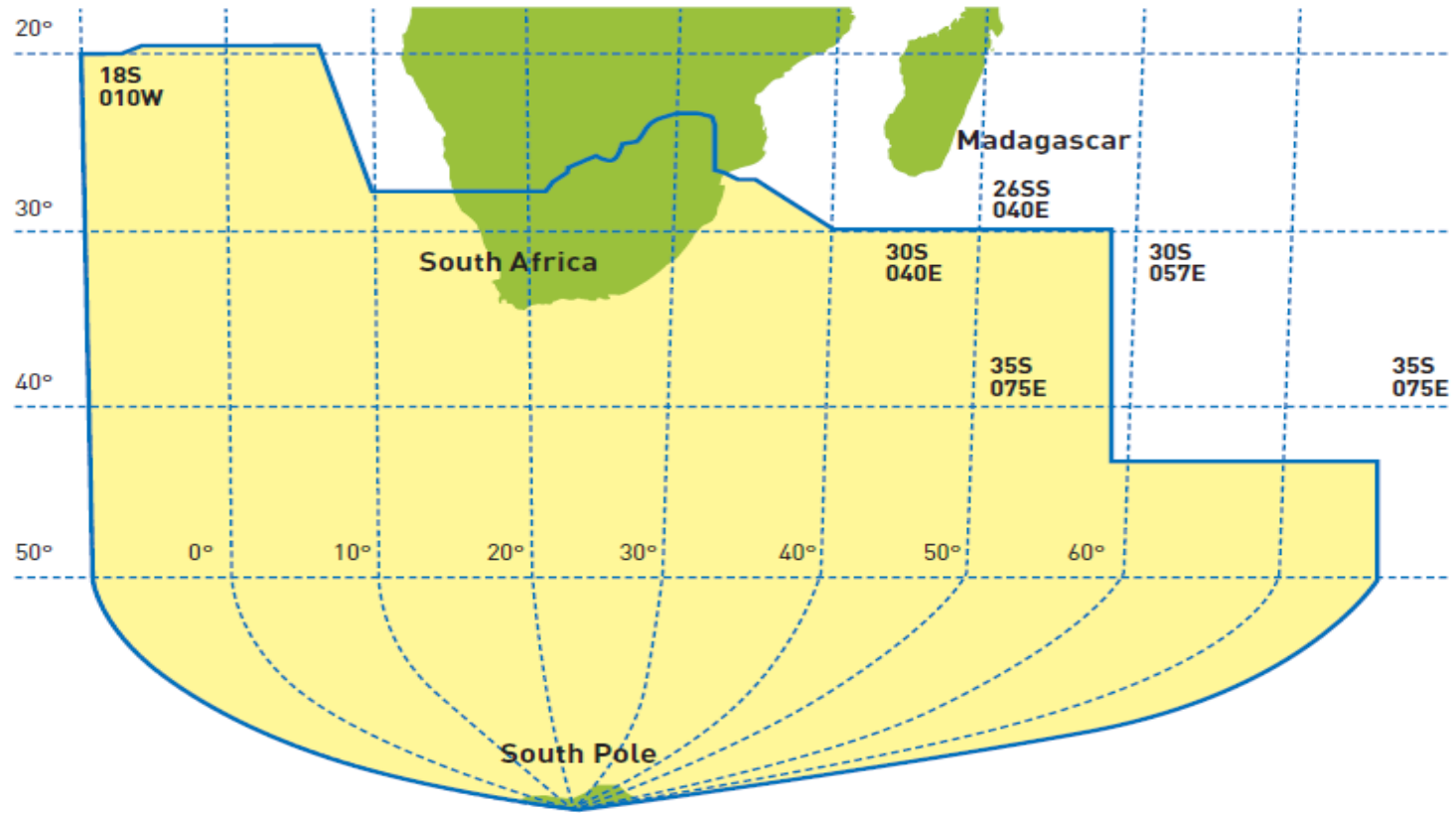
- AIR TRAFFIC AND NAVIGATION SERVICE
- State Owned Company under Department of Transport.
 - Monopoly Company in South Africa

ATNS MANDATE

ATNS was incorporated in 1993 in terms of ATNS Company Act, **Act 45 of 1993**

The Act mandates ATNS to provide Air Traffic Management solutions and associated services on behalf of the State in accordance with ICAO standards, recommended practices as well as the South African Regulations and Technical Standards.

ATNS AREA OF RESPONSIBILITY

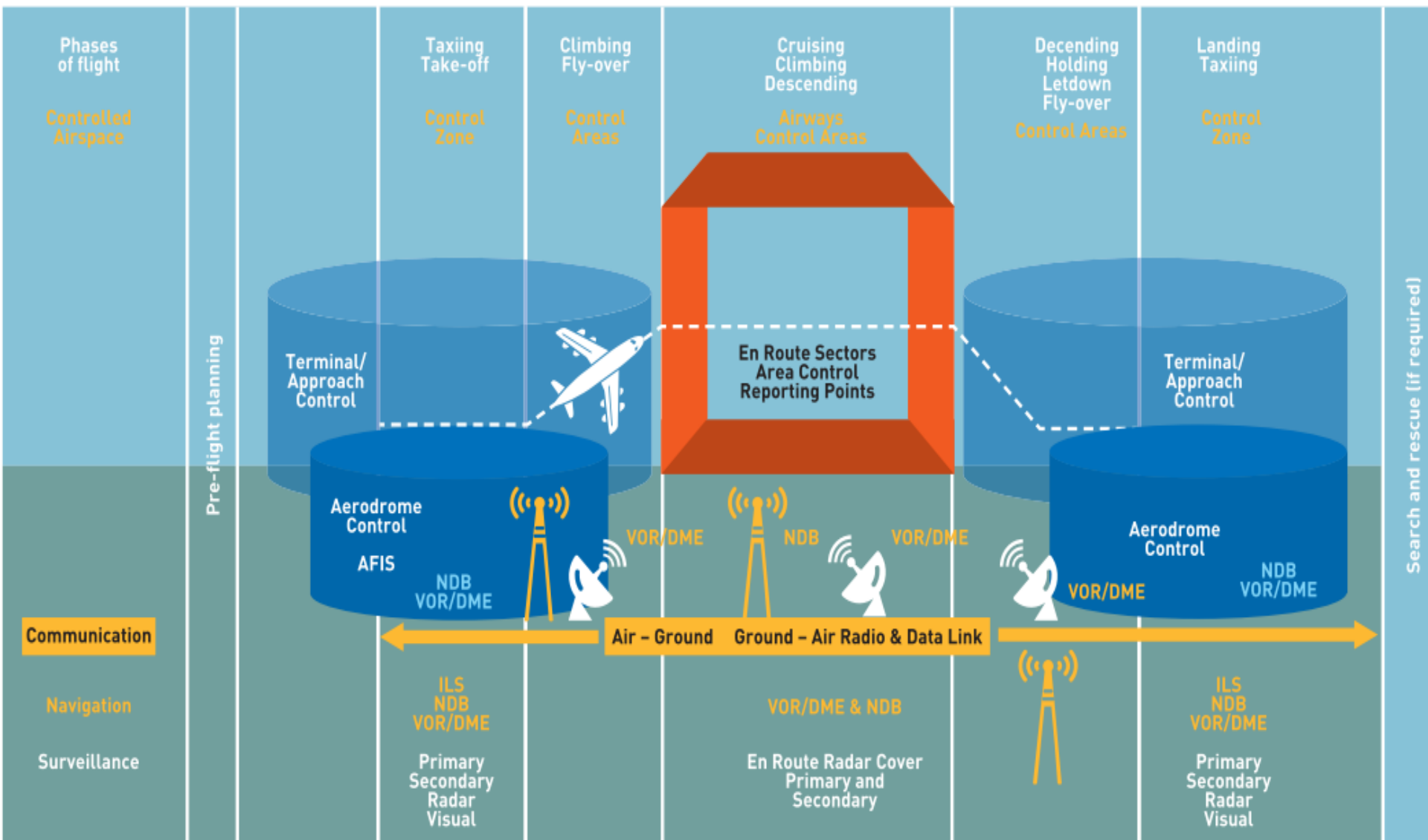


ATNS is responsible for air traffic control in approximately 10% of the world's airspace.

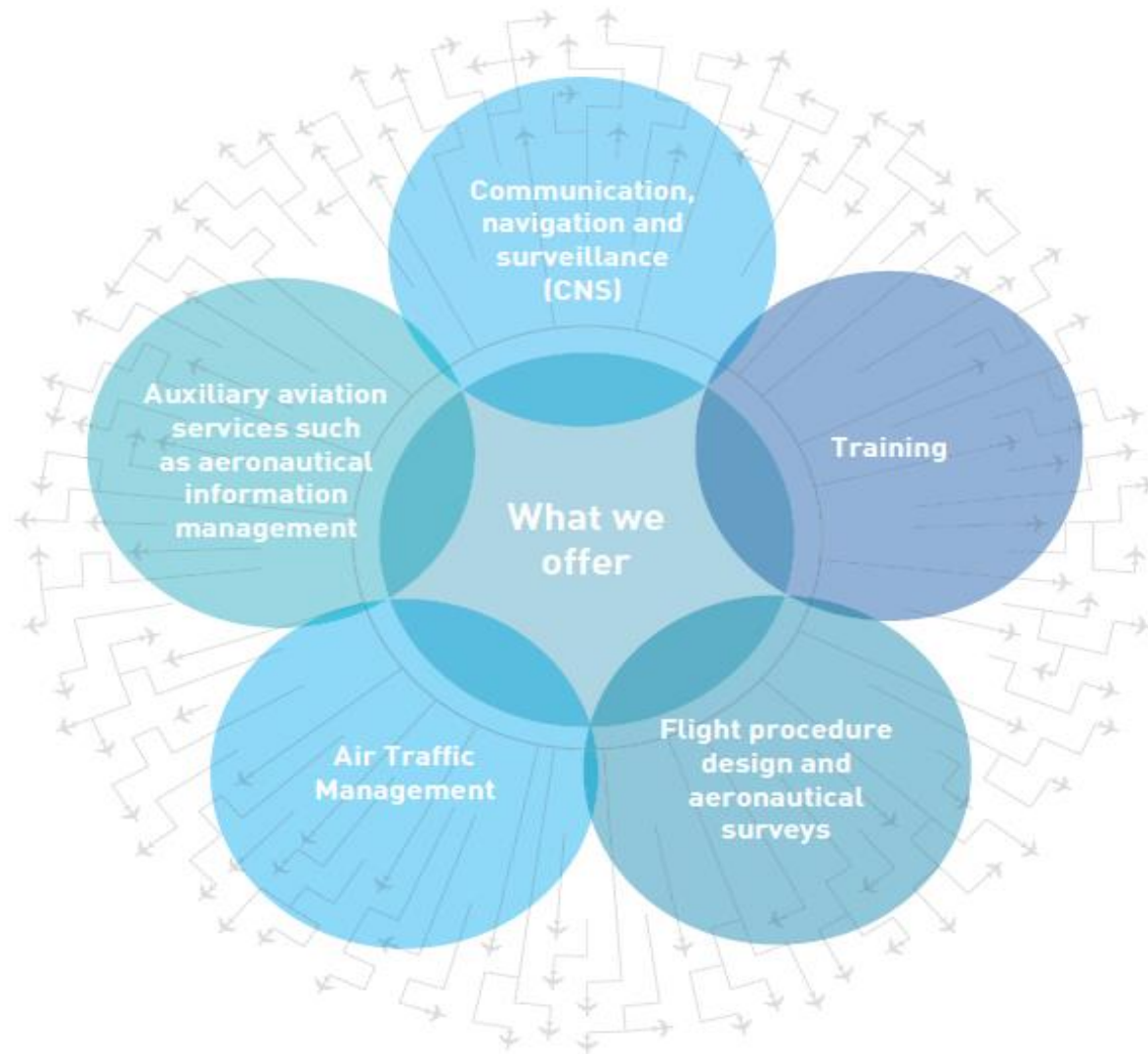
SOUTH AFRICA PROVISION



ATNS SERVICE PROVISION VALUE CHAIN

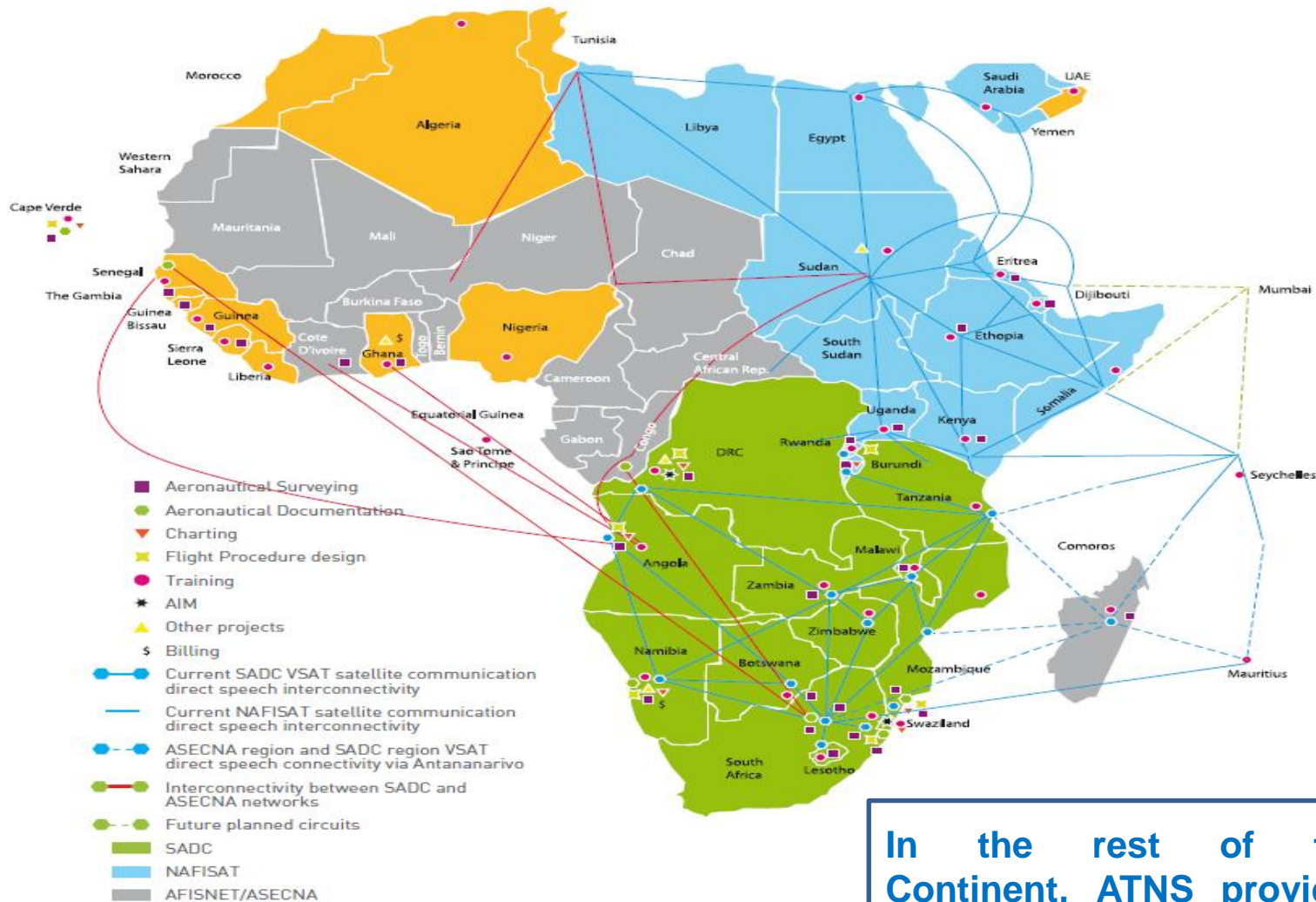


ATNS' SERVICE OFFERING



ATNS SERVICES IN THE CONTINENT

ATNS's extended services on the Continent and beyond



In the rest of the African Continent, ATNS provides amongst others the Aeronautical Satellite Communication (VSAT) networks.

RFQ DETAILS

RFQ REFERENCE:	ATNS/EP/RFQ003/2023/24_ UPS
DESCRIPTION:	Appointment of an experienced service provider for the supply, delivery, installation and commissioning of 10Kva, 3Hr back up Lithium Ion, single phase Uninterruptable Power Supply (UPS) for ATNS Northern WAM Sites.
ISSUE DATE:	31 May 2023
CLOSING DATE:	13 June 2023
CLOSING TIME:	15h00, CAT
COMPULSORY BRIEFING SESSION:	VIRTUAL 07 June 2023
QUOTATION VALIDITY PERIOD:	60 Days (Commencing from 13 June 2023)
LAST DATE FOR QUESTIONS RELATING TO RFQ	09 June 2023 Email address: Thabom@atns.co.za
RFQ DOCUMENTS MAY BE ADDRESSED TO:	Procurement Officer: Thabo Maribe Email address: RFQs@atns.co.za NB: Please note our emails can only receive documents that are less 40MB, if documents are more, please send them in separate emails

PROCUREMENT REQUIREMENTS

PROCUREMENT REQUIREMENTS



PRE-QUALIFICATION DOCUMENTS

- Valid Tax Pin Status
- Valid B-BBEE Certificate or Sworn Affidavit – Certified
- CIPC registration Documents
- Central Supplier Database (CSD) Report
- Duly completed and signed SBD Forms (SBD1, SBD 4, SBD 6.1)
- General conditions of contracts (GCCs) -Initialled and signed.
- ATNS Completed pricing schedule

PROCUREMENT REQUIREMENTS



MANDATORY REQUIREMENTS DOCUMENTS

- Provide three (3) proof of Previous UPS sizing, installation and commissioning contactable references. References must be in a form of a signed reference letters on a client's business letterhead stating the scope and description of the services rendered, contract duration, with contact name, Contact number and position of the referee. Reference letters must not be older than 3 years by closing date of this RFQ.
- Service provider shall have a key resource with valid wireman's licence or equivalent.

PROCUREMENT REQUIREMENTS

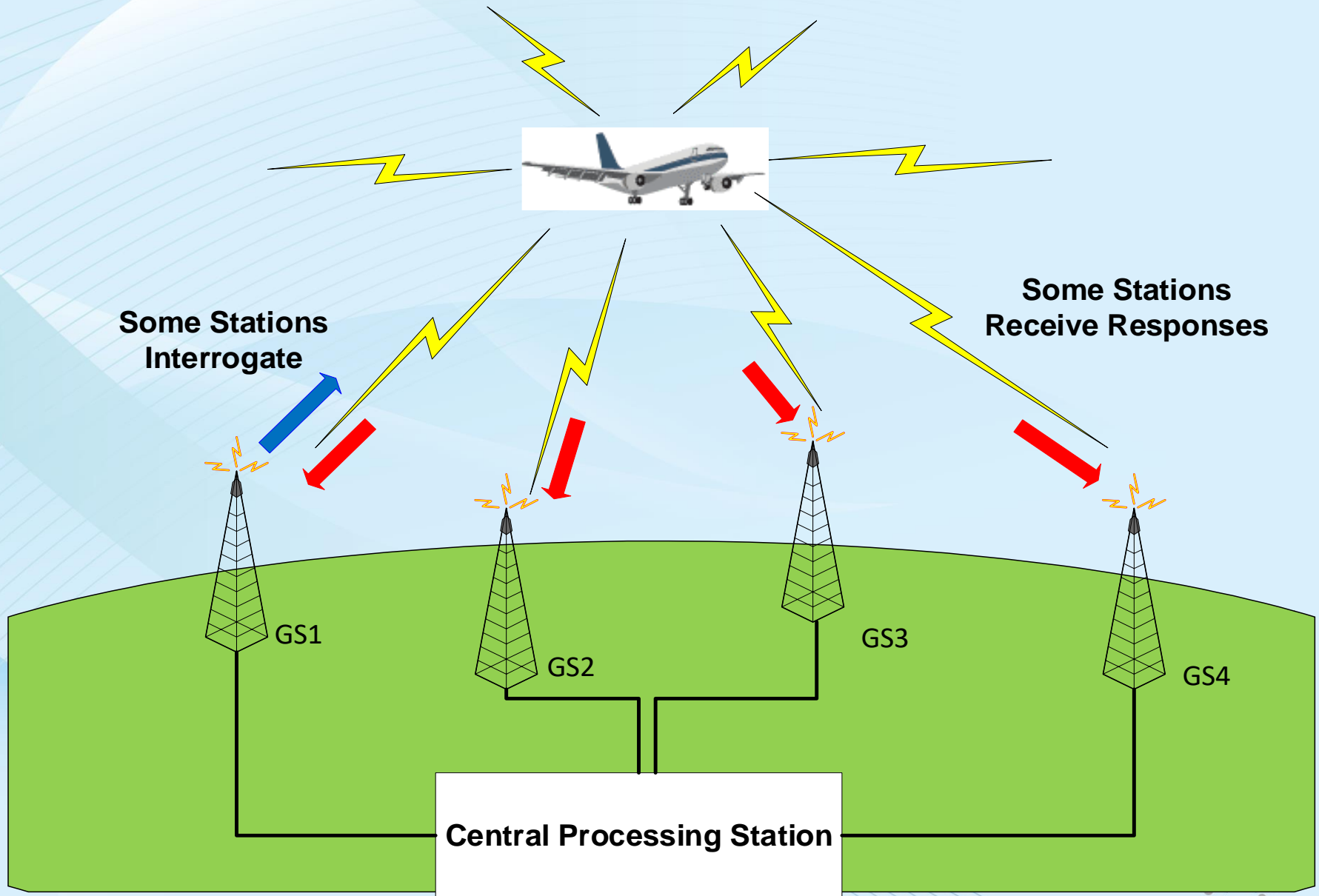
IMPORTANT COMPLIANCE TO MANDATORY REQUIREMENTS

FAILURE TO SUBMIT ALL OF THESE DOCUMENTS WILL RESULT ON YOUR QUOTATION BEING DISQUALIFIED.

QUESTIONS

TECHNICAL REQUIREMENTS


PROJECT DESCRIPTION: WIDE AREA MULTILATERATION CONCEPT



PROJECT DESCRIPTION: SCOPE OF WORK DEFINATION

- The Contractor shall provide a Turn-Key solution addressing all project requirements. The contractor shall supply, deliver, install and commission ten (10) 10Kva 3hr back up, single phase lithium-ion double conversion UPSs.
- The UPS batteries shall have a capability to recharge to 90% in battery capacity within a 4-hour period.
- Due to space limitations on sites where the required UPSs will be installed. The required UPSs shall be limited to the following Dimensions. (DxWxH) = 500mm x 300mm X 800mm
- The Contractor shall Perform all necessary electrical works.
- The Contractor shall provide a one year Warranty for the maintenance and support of the UPSs.

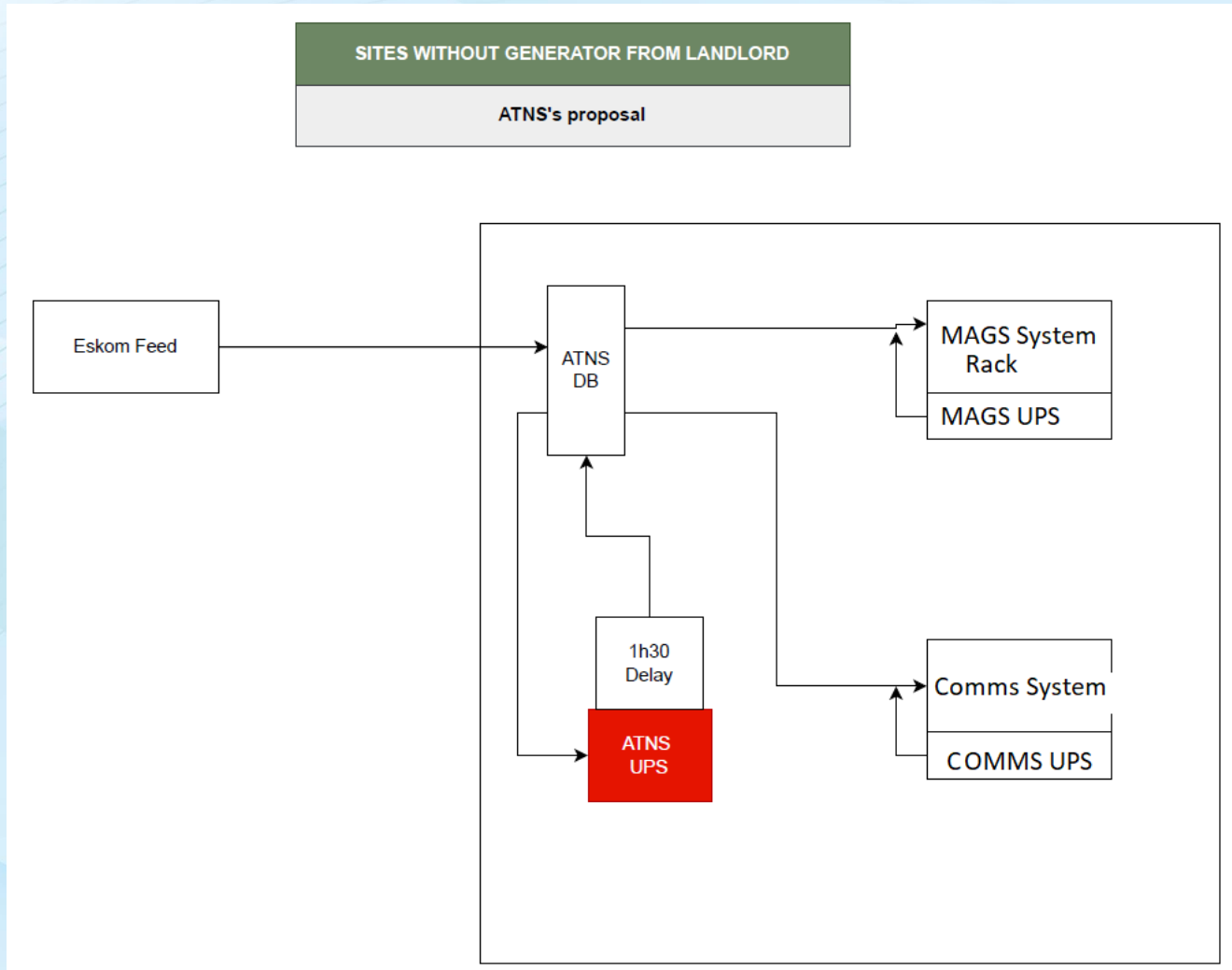
SCOPE OF WORK CONT'

Item Description			
Item	Specification	Qty	Pictures
Uninterruptable Power Supply (UPS)	<ul style="list-style-type: none"> Capacity: 10Kva 3hr back up time. Physical Dimensions: Should fit in the limited space of (DxWxH) = 500mm x 300mm X 800mm. 1-year warranty 	10	

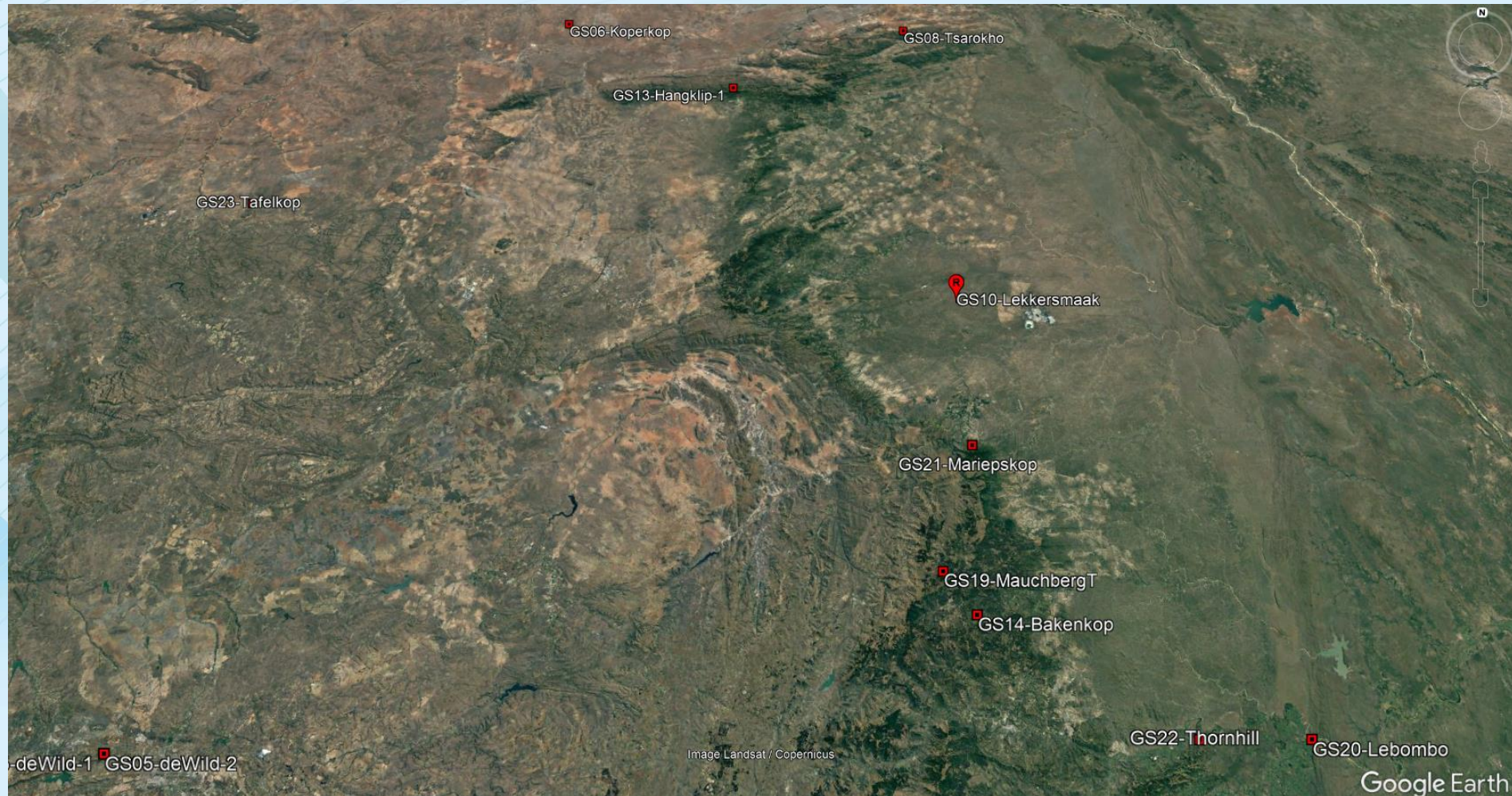
Notes:

- The required UPSs should have a good surge protection as these sites are prone to lighting strikes.
- The UPS cabinet must have wheels.
- The Northern WAM UPSs can be smaller than the specified dimensions but cannot be larger than the specified dimensions.

SCOPE OF WORK CONT: DELAY SWITCH MECHANISM



SITE LOCATIONS



SITE LOCATIONS

Ground Station		Site Coordinates	Site Power Status
No.	Name		
GS05	Kameeldrift West	25°41'21.07"S, 27°59'4.08"E	NO BACK UP POWER
GS06	Koperkop	22°40'19.78"S, 29° 8'9.95"E	NO BACK UP POWER
GS08	Tsarokho	22°38'33.98"S, 30°36'27.62"E	NO BACK UP POWER
GS14	Bakenkop	25° 8'6.34"S, 30°52'37.88"E	NO BACK UP POWER
GS16	Hoedspruit	24°21'1.68"S, 30°57'4.22"E	NO BACK UP POWER
GS17	Kaapsehoop-1	25°30'57.66"S, 30°46'34.80"E	NO BACK UP POWER
GS19	Mauchberg T	24°59'48.33"S, 30°45'38.24"E	NO BACK UP POWER
GS20	Lebombo	25°27'19.99"S, 31°58'47.96"E	NO BACK UP POWER
GS21	Mariepskop	24°32'23.18"S, 30°52'14.24"E	NO BACK UP POWER
GS22	Thornhill	25°28'51.73"S, 31°36'20.63"E	NO BACK UP POWER

SITE ACCESS CHALLENGES: LOCATION & TERRAIN



SPACE LIMITATION CHALLENGES



IMPORTANT DOCUMENTATION

- Project schedule and deployment timelines in
 - Microsoft Project format
- Technical description :
 - Datasheets(UPS, Batteries),
 - Drawings(Mechanical, Electrical etc.)
- Monitoring Mechanism for integration to ATNS RCMS (Drawings)
- After Installation, the Contractor shall provide the CoC.

PURPOSE



**What the Owner
Described**



**What the
Consultant Specified**



**What the Contractors
Installed**



**What the Owner
Really Needed**

- ✓ Reliability, Availability and Maintainability (RAM) requirement of at least 99.98%
- ✓ Restrict impact to data link or GS or power failure
- ✓ Continuous output and performance

THANK YOU

QUESTIONS