



**SEVENTH MEETINGS OF THE SAT IMPLEMENTATION MANAGEMENT GROUP
(SAT IMG/7) AND SAT SAFETY OVERSIGHT GROUP (SAT SOG/7)
Dakar, 6-10 April 2026**

Agenda Item 2: Coordination between SAT IMG and SAT SOG

Updates on Phase I Delineation Activities

(Presented by the United States of America)

SUMMARY	
This working paper presents the status of activities for Phase I of the SAT delineation. The paper recommends additional action to complete the tasking in Phase I of the SAT Area delineation.	
Strategic goals	<p>A-Every Flight is safe and secure</p> <p>C- Aviation Delivers Seamless, Accessible, and Reliable Mobility for All</p>

1. INTRODUCTION

1.1. The South Atlantic (SAT) Area remains undefined, lacking a clear boundary for implementation plans and provision of SAT-specific safety oversight. Although SAT member States have completed the tasking identified in the fourth SAT Implementation Management Group (IMG) meeting decision (SAT/IMG 04-2), the data provided contained several errors and some responses were incomplete.

1.2 The original tasking to complete the Phase I tasking of delineation activities requested SAT member states to provide vertical limits, airspace classifications and Flight Information Region (FIR) coordinates to be included in the SAT Area, including coordinates for a geographical line to delineate domestic airspace from oceanic for those SAT States that have FIRs not specifically designated as oceanic.

1.3 After receiving the data from SAT member States and reviewing the responses it was noted that the responses contained coordinates provided in decimals, degrees, minutes and seconds and using other mapping calculations. The formatting of the responses made it difficult to determine the alignment or direction of certain coordinates needed for mapping. Additionally, some coordinates provided still appeared to be plotted over what would be considered domestic airspace and responses received did not include all vertical limits or airspace classifications.

2. DISCUSSION

Phase I Response Issues

2.1. During the original Phase I request, no specifications were made on how responses would need to be formatted or submitted. Some responses contained what appeared to be coordinates that would be considered part of domestic airspace. It also appears that some coordinates may have been captured or transposed in error. Another factor in some of the anomalies seen when mapping, may be a result of the conversion required or direction assumed for responses submitted.

2.2. Several attempts were made to decode the coordinates using State AIP information and converting latitude and longitude to a format required for mapping - degrees, minutes and seconds; however, this did not result in resolving all the issues. To complete the delineation based on the current results, additional verification of the information is needed.

Sat Area Delineation Coordination Process

2.3 A proposed solution for consideration to address the issues is to use a template to capture each SAT member State response. To ensure that sufficient information is collected in a standardized format to support completion of delineation phase I, an initial draft template was developed and is provided as Appendix A. The template includes fields to capture information specific to coordinates, vertical limits and airspace classifications provided to date by each of the SAT member States for correction or verification.

2.4 The template provides specific instructions related to the formatting of coordinates needed for mapping to be submitted in an excel file using the following guidelines:

- a) Coordinates must be provided in clockwise directional order
- b) Latitude and Longitude coordinates must be in degrees, minutes and seconds
- c) Directional indicators (N/S/E/W) need to be appended after each coordinate
- d) Geographical coordinates to delineate oceanic from domestic airspace need to be tied to existing FIR boundary coordinates and should be limited
- e) If an Arc is used, then it needs to state at which specific point the arc begins and ends with a mileage.

2.5 In an attempt to simplify this process, the initial collection of the data from each State response will be used to the extent it is possible to populate the template that each State will need to verify. However, there are some State responses that need to be confirmed prior to being entered into the template, particularly those that submitted coordinates that included domestic airspace or coordinates not submitted in sequential order.

2.6 It is recommended that each SAT member State provides a contact for coordination to complete the Phase 1 delineation activity. This will be helpful to confirm responses submitted, to verify or correct coordinates populated in the template and to obtain outstanding responses for vertical limits and airspace classifications.

2.7 Coordination with each State will include the delegated contact and appropriate Regional ICAO office to assist in tracking the progress of delineation and facilitate completion of the delineation phase.

3 ACTION BY THE MEETING

3.1 The meeting is invited:

- a) consider the information provided;

- b) discuss the use of a template to compile data;
- c) request a delegated contact from each State and ICAO Regional Office to assist and facilitate coordination of the data to be used for delineation;
- d) review, amend as necessary, and approve the template provided as Appendix A; and
- e) provide further guidance as necessary.

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Appendix A

South Atlantic (SAT) Area Delineation Template

(Provided as a separation document)