



**Twenty Second Meeting of the
Informal South Pacific ATS Co-ordinating Group (ISPACG/22)**

Papeete, Tahiti, 12-14 March 2008

**Agenda Item 4: Review Open Action Items
AI 20-5**

Satellite Communication (SATCOM) Voice Procedures

Presented by Airways New Zealand

SUMMARY

Agreed documented procedures are needed for the use of Satellite Communication (SATCOM) voice as an alternative to CPDLC and HF. This paper specifies the terms and conditions associated for the use of SATCOM voice.

1. INTRODUCTION

- 1.1 High Frequency (HF) provides the majority of long range communications coverage within Oceanic FIRs. Atmospheric conditions such as solar flares and sun spot activity can affect HF radio propagation.
- 1.2 SATCOM voice is an alternative means of communications to mitigate against situations of no CPDLC and lost aircraft communications and poor HF propagation.
- 1.3 Agreed documented procedures are required for the use of SATCOM voice.

2. DISCUSSION

2.1 Flight Crew Procedures

SATCOM voice shall only be used when CPDLC is not available and HF communication can not be established on either the primary or secondary HF frequencies.

To contact for example Auckland Oceanic by means of SATCOM voice, use the following Inmarsat short code:

Auckland Oceanic	NZZO	451201
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Pilots electing to use SATCOM voice, shall identify themselves as “SATCOM” at the beginning of each SATCOM voice contact. The first transmission shall include the word “SATCOM” following the aircraft flight number. Also

Standard ICAO phraseology, as defined in Annex 10, volume 11, Chapter 5 and ICAO abbreviations and codes (Doc 8400), should be used in any SATCOM voice communication.

Example: Aircraft to Oceanic (Aircraft calls ground)

A/C [Auckland Oceanic], this is New Zealand One Three Five, SATCOM, Position Report

ATC New Zealand One Three Five, [Auckland] Oceanic, SATCOM, go ahead

A/C [Auckland], New Zealand One Three Five [passes position report using standard phraseologies]

Example: Oceanic to Aircraft (controller calls aircraft)

ATC New Zealand One Three Five, [Auckland] Oceanic SATCOM

A/C [Auckland] New Zealand One Three Five, SATCOM Go ahead

ATC New Zealand One Three Five [passes message using standard phraseologies]

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the contents of this paper
- b) Support the establishment of standard phraseologies for the use of SATCOM Voice.