

# AERONAUTICAL INFORMATION CIRCULAR 25/22

## IMPLEMENTATION OF SELCAL32 IN GANDER OCEANIC CONTROL AREA

### Introduction

Gander international flight service station (IFSS) has the selective calling system (SELCAL) installed on all international frequencies at Gander Radio. It is used to instruct flight crews to call air traffic services (ATS) on a specific high frequency (HF) radio frequency. Because of this, the use of SELCAL codes enables flight crews to maintain a SELCAL watch in place of a listening watch on HF.

### Background

The number of codes available are limited and can lead to similar code assignments to aircraft that are in close proximity to one another. Due to the safety implications of this, the International Civil Aviation Organization (ICAO) has enabled the use of an additional 16 alphanumeric designations, increasing the list to 32. Equipment for both air navigation service providers (ANSPs) and aircraft will need to be upgraded to allow for the transmission and receipt of the alphanumeric codes. The applicability date for this has been set by ICAO to be 03 November 2022.

Equipped aircraft operators can contact Aviation Spectrum Resources, Inc. (ASRI) for verification of a SELCAL code that can include any of the 32 alphanumeric designations available.

However, due to resource allocation in the recovery from the pandemic, NAV CANADA and other North Atlantic (NAT) ANSPs will not be ready to transmit the additional codes until the spring 2023.

### Procedures

For flight crews who are not equipped to receive the additional codes, there are no changes.

Flight crews who have received verification of a new 4-digit combination of the 32 alphanumeric codes will need to do one of the following to continue receiving HF service from Gander Radio:

- Retain your original SELCAL code if possible and continue to use it until the spring 2023; or
- Maintain a listening watch on the applicable HF radio frequency.

### Documentation

Refer to *AIP Canada*, Part 1 – General (GEN), Section GEN 3.4 and Part 2 – Enroute (ENR), Section ENR 7.5 for more information on the SELCAL services and procedures in the Gander oceanic control area (OCA).

For more information on ICAO standards and recommended practices (SARPs) related to SELCAL, refer to the following publications:

- ICAO Annex 10 – *Aeronautical Telecommunications*, Volume II, Chapter 5
- ICAO Annex 10 – *Aeronautical Telecommunications*, Volume III, Chapter 3
- ICAO Doc 4444 – *PANS-ATM*, Chapters 10, 15 and Appendices 2 and 3
- ICAO Doc 7030 – *Regional Supplementary Procedures*, NAT Region, Chapter 3
- ICAO Doc 9432 – *Manual of Radiotelephony*

- ICAO Doc 9433 – *Manual Concerning Interception of Civil Aircraft*, Chapter 3
- ICAO Doc 9694 – *Manual of Air Traffic Data Link Applications Part VI ATS Interfacility data communications* (AIDC), Chapter 4
- ICAO Doc 10037 – *Global Operational Data Link (GOLD) Manual*, Chapters 2, 3, 4, and Appendix B

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