

Supplementary Instruction CAP 413 Radiotelephony Manual

Safety and Airspace Regulation Group

Airspace, ATM & Aerodromes (AAA)



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Effective Date: 25 Mar 2021

RT Phraseology for RNP IAPs at Aerodromes with AGCS

1 Introduction

- 1.1 The purpose of this Supplementary Instruction (SI) is to detail changes made to the Radiotelephony Manual (CAP 413) relating to the introduction of phraseology for Air/Ground Communications Service (AGCS) radio station operators and Aerodrome Flight Information Service Officers (AFISO) who operate at aerodromes with required navigation performance (RNP) instrument approach procedures (IAPs).

2 Background

- 2.1 The deployment of RNP IAPs at aerodromes where AFIS and AGCS is provided has necessitated the development of specific procedural mitigations by aerodrome operators to enable a safe aerodrome operating environment to exist. These may include PPR, slot times and/or the closure of the aerodrome traffic circuit.
- 2.2 In turn, these procedural mitigations have required the development of specific radiotelephony (RT) phraseology that will enable air-ground operators and AFISOs to describe the associated IAPs and their availability, and to inform all flights operating in the vicinity of the aerodrome when the IAPs are in use.

3 Amendment to CAP 413

- 3.1 With effect from 28 Jan 2021 CAP 413 is amended as shown at [Annex A](#) which will become effective on 25 Mar 2021. This change will be incorporated into CAP 413 at the next amendment.

4 Queries

- 4.1 Any queries or further guidance required on the content of this SI should be addressed to:

ATS Enquiries
Future Safety
CAA Safety and Airspace Regulation Group

Aviation House
Beehive Ringroad
Crawley
West Sussex
RH6 0YR
E-mail: ats.enquiries@caa.co.uk

- 4.2 Any queries relating to the availability of this SI should be addressed to:

ATS Documents
Future Safety
CAA Safety and Airspace Regulation Group
Aviation House
Beehive Ringroad
Crawley
West Sussex
RH6 0YR
E-mail: ats.documents@caa.co.uk

5 Cancellation

- 5.1 This SI shall remain in force until incorporated into CAP 413 or it is cancelled, suspended or amended.

Annex A**CAP 413 Chapter 4: Aerodrome Phraseology**

Editorial Note. Paragraphs 4.155 to 4.171 below are new or substantially revised text and wholly replace paragraphs 4.155 to 4.171 of CAP 413 Edition 23. Subsequent paragraphs, beginning with text on Offshore Communication Service, should be renumbered consecutively beginning at 4.172.

AGCS RNP Initial Call

- 4.155 Pilots should advise of their intention to fly the RNP IAP specifying the initial approach fix and runway designator;
- (position) FOR RNP APPROACH [VIA (waypoint identification)], RUNWAY (number)

Seaton Radio, G-ABCD, 12 miles south of Seaton, for RNP approach via INJUN, Runway 27

AGCS PPR Management

- 4.156 The aircraft has PPR, is within slot tolerance and aerodrome circuit suspension procedures have been completed.
- ROGER, RUNWAY (designator), QNH (or QFE) (number) [units], TRAFFIC IS (information),

G - CD, Seaton Radio roger, Runway 27, QNH 9-9-8 hectopascals, no reported traffic.

G - CD, Seaton Radio roger, Runway 27, QNH 1-0-2-2, traffic is a Cherokee departing the circuit to the west.

AGCS Position information

- 4.157 Where position reports are required by the aerodrome operator for the safe conduct of the procedure(s), pilots will be required to broadcast such position reports at pre-determined points as published for that specific procedure in the AIP.

In exceptional circumstances, where it is known or suspected that a pilot has failed to make the required position report(s) and/or it is suspected that there may be circumstances which may affect the safety of that flight, AGCS radio station operators can seek to prompt pilots to confirm their position or to confirm their position in relation to a published point on the procedure:

- CONFIRM (waypoint identification)

G - CD, Seaton Radio confirm your position.

G - CD, Seaton Radio, confirm GNSS distance from INJUN.

4.158 Before the pilot reports commencing the RNP IAP, where aerodrome circuit suspension procedures have been completed, the pilot must be advised:

- NO KNOWN TRAFFIC IN THE ATZ, AIR GROUND COMMUNICATIONS ONLY

G -CD, no known traffic in the ATZ, air ground communications only

Note. *AGCS radio station operators are not permitted to sequence aircraft. Where aerodrome operators have approved PPR and aerodrome traffic circuit management procedures that are designed to support the safe transition of IAP traffic into the aerodrome traffic circuit, the RT transmission 'no known traffic in the ATZ' indicates that, to the knowledge of the 'air-ground operator', the procedures have been completed*

4.159 The aircraft has PPR and is within slot tolerance, aerodrome circuit suspension procedures have not been completed.

- ROGER, RUNWAY (designator), QNH (or QFE) (number) [units], AERODROME TRAFFIC CIRCUIT ACTIVE. REQUEST YOUR INTENTIONS.

G -ABCD, Seaton Radio roger, Runway 27, QNH 1-0-2-2, aerodrome traffic circuit ACTIVE. Traffic is a Cherokee 3 miles west of Seaton. Request your intentions?

4.160 The aircraft does not have PPR.

- RNP APPROACHES ARE ONLY AVAILABLE WITH PRIOR PERMISSION. REQUEST YOUR INTENTIONS.

G -ABCD, Seaton Radio, RNP approaches are only available with prior permission. Request your intentions.

4.161 The aircraft has PPR but is outside of slot tolerance.

- PRIOR PERMISSION EXPIRED (or EXPIRES) AT (time), TRAFFIC IS (information), REQUEST YOUR INTENTIONS

G-ABCD, Seaton Radio, Prior permission expired/expires at 1000Z, (Traffic Information) Request your intentions

AGCS Information on Aerodrome Traffic

4.162 AGCS radio station operators will relay information on the reported position of aircraft operating in the vicinity of the aerodrome, including those conducting RNP IAP.

- TRAFFIC IS (information)

G-CD, Seaton Radio, traffic is a Cherokee ([reported on] / [shortly going to commence] / [has commenced]) RNP approach [via INJUN] Runway 27

AGCS RAIM Failure

4.163 Pilot reports RAIM failure

UNABLE RNP, LOSS OF RAIM, (intentions)

RAIM ALERT (intentions)

Seaton Radio, G-CD, unable RNP, loss of RAIM, continuing for a visual approach

Seaton Radio, G-CD, unable RNP, loss of RAIM

Seaton Radio, G-CD, RAIM alert, going around

G-CD Seaton Radio, roger, request your intentions

4.164 AGCS reports RAIM failure

- **GNSS REPORTED UNRELIABLE**
G-CD, GNSS reported unreliable

AGCS Unexpected Go-around

4.165 Pilot reports an unexpected go-around

G-CD, Seaton Radio, request your intentions

ATZ / Aerodrome Traffic Circuit Management (AGCS)

- 4.166 A pilot requests to join the aerodrome traffic circuit while aerodrome traffic circuit suspension procedures are in force.

G-ABCD, Seaton Radio, aerodrome traffic circuit ([is closed] / [will close at (time)]. Traffic is a Cherokee ([shortly going to commence] / [has commenced]) RNP approach Runway 27. Request your intentions?

- 4.167 A pilot requests to transit the ATZ while an aircraft is flying a RNP IAP.
AGCS radio station operators are not permitted to restrict access to an ATZ and must provide sufficient information for the flight to be conducted safely.

G-ABCD, Seaton radio, traffic is a Cherokee on RNP approach Runway 27. Request your intentions?

- 4.168 The AGCS radio station operator needs to advise aerodrome traffic of the opening/closure of the aerodrome traffic circuit.

All stations, Seaton Radio, aerodrome traffic circuit will close at (time) due to RNP approach Runway 27.

All stations, Seaton Radio, aerodrome traffic circuit closed. Traffic is a Cherokee reported on RNP approach Runway 27.

All stations, Seaton Radio, aerodrome traffic circuit closed. Departure not permitted until (time).

All stations, Seaton Radio, aerodrome traffic circuit open

ATZ / Aerodrome Traffic Circuit Management (AFIS)

- 4.169 A pilot requests to join the aerodrome traffic circuit while aerodrome traffic circuit suspension procedures are in force.

G-WXYZ, Walden Information, aerodrome traffic circuit ([is closed] / [will close at (time)]. Traffic is a Cherokee ([shortly going to commence] / [has commenced])

RNP approach Runway 27. Request your intentions?

- 4.170 A pilot requests to transit the ATZ while an aircraft is flying a RNP IAP. Aerodrome FISOs are not permitted to restrict access to an ATZ and must provide sufficient information for the flight to be conducted safely.

G-WXYZ, Walden Information, traffic is a Cherokee on RNP approach Runway 27. Request your intentions?

- 4.171 The Aerodrome FISO needs to advise aerodrome traffic of the opening/closure of the aerodrome traffic circuit.

All stations, Walden Information, aerodrome traffic circuit will close at (time) due to RNP approach Runway 27.

All stations, Walden Information, aerodrome traffic circuit closed. Traffic is a Cherokee reported on RNP approach Runway 27.

All stations, Walden Information, aerodrome traffic circuit closed. Departure not permitted until (time).

All stations, Walden Information, aerodrome traffic circuit open