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DEPARTAMENTO DE CONTROLE DO ESPAÇO AÉREO
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29 JAN 20

CPDLC LATENCY MONITORING FUNCTION IN EUR-SAM CORRIDOR

Period of validity: de 06 FEV 2020 a 06 MAI 2020.

1 PRELIMINARY ARRANGEMENTS

1.1 PURPOSE

This Aeronautical Information Circular (AIC) is intended to provide instructions for both aircraft operator and pilots on how to deal with during the period of CPDLC latency monitoring in EUR-SAM Corridor when overflying FIR SBAO.

1.2 SCOPE

This Circular applies to all aircraft which be CPDLC-equipped and plan to overfly Atlantico Flight Information Region (FIR-SBAO).

1.3 ABBREVIATIONS

ACC-AO	Atlantico Area Control Center
CPDLC	Controller-Pilot Data Link Communication
DOC4444	ICAO Document dealing with air traffic management.
FIR-SBAO	Atlantico Flight Information Region
ICAO	Internacional Civil Aviation Organization
RCP240	Required Communication Performance which specification requires maximum transaction time of 240 seconds.
RSP180	Required Communication Performance which specification requires maximum data delivery time of 180 seconds.

2 GENERAL ARRANGEMENTS

2.1 States responsible by flight information regions where EUR-SAM is in are willing to implement reduction of lateral and longitudinal separation minima based on Performance Based Communication and Surveillance (PBCS) specifications RCP240 and RSP 180 as required by ICAO in DOC 4444.

2.2 Prior to implement this concept in EUR-SAM corridor some tests of CPDLC latency monitoring function will be applied.

1. SPECIFIC ARRANGEMENTS

3.1 The purpose of this trial is to calculate the CPDLC UPLINK MESSAGE VALUE on the ground systems.
3.2 When aircraft log on the first time with ACC-AO, it will receive this free text message sent by ATC: «**RCP 240 TRIALS PLEASE ANSWER ROGER**». So, the pilot shall send a positive response: **ROGER**.
3.3 In this case, it has therefore been decided among the EUR-SAM CORRIDOR ACC to uplink this message to all CPDLC connected aircraft immediately after they enter each control area.
3.4 Pilots shall be familiar with aircraft functionality that concerns the CPDLC uplink message latency monitor.

4 FINAL ARRANGEMENTS

4.1 This AIC shall enter into force on 06 FEV 2020.

4.2 Implementation of this TRIAL PROCEDURE is planned to start in the whole EUR-SAM CORRIDOR on 01 MAR 2020.
4.3 Suggestions are welcome and may be sent via link “Fale Conosco – SACDECEA”, on website www.decea.gov.br.

4.4 Cases not provided for in this Circular shall be settled by the Head of DECEA’s Subdepartment.