

Contact

Post:

REPUBLIC OF SINGAPORE
AERONAUTICAL
INFORMATION SERVICES
CIVIL AVIATION AUTHORITY
OF SINGAPORE
SINGAPORE CHANGI
AIRPORT
P.O. BOX 1, SINGAPORE
918141

Tel: (65) 6422 7036

AFS: WSSSYNYX

Fax: (65) 6441 0221

Email: caas_singaporeais@caas.gov.sgURL: www.caas.gov.sgURL: <https://aim-sg.caas.gov.sg>**AIC for Singapore****AIC****05/2021****Effective from 21 APR 2022****PERM****Published on 15 NOV 2021****IMPLEMENTATION PLAN FOR RNP 4 NAVIGATION SPECIFICATION ON ATS ROUTE M767 AND SEGMENT OF N884 WITHIN SINGAPORE FIR****1 INTRODUCTION**

1.1 This AIC provides notice to aircraft operators on the implementation plan for RNP 4 navigation specification on ATS route M767 (between TEGID and TOMAN) and segment of N884 (between LUSMO and LAXOR) within Singapore Flight Information Region with effect from **21 April 2022, 0000UTC**.

2 RNP 4 IMPLEMENTATION PLAN**2.1 Trial Period**

Effective from **27 January 2022 to 20 April 2022**, RNP 4 trials will be conducted on ATS routes M767 (between TEGID and TOMAN) and segment of N884 (between LUSMO and LAXOR) for selected aircraft operating at FL290 and above.

2.2 Implementation

Effective from **21 April 2022**, RNP 4 navigation specification will be implemented on ATS route M767 (between TEGID and TOMAN) and segment of N884 (between LUSMO and LAXOR) within Singapore Flight Information Region for all suitably equipped aircraft operating at FL290 and above.

3 AIRCRAFT EQUIPAGE AND FLIGHT PLANNING

3.1 To facilitate reduction of separation between suitably equipped aircraft, aircraft operators are encouraged to acquire the relevant RNP 4 operational approval from the State of Registry or the State of Operator.

a. RNP 4 approved and flight plan indicator

Item 10 - "R" where R = PBN approved

Item 18 - PBN/L1 where L1 = RNP 4

b. Communication via Controller Pilot Data Link Communications (CPDLC) in compliance to Performance Based Communications and Surveillance (PBCS) requirements and flight plan indicator:

i. Required Communication Performance (RCP) shall be of RCP240 integrity and indicated by "P2" in Item 10 of the flight plan

ii. Required Surveillance Performance (RSP) shall be of RSP180 integrity and indicated by "RSP180" in Item 18 of the flight plan

3.2 For aircraft that does not meet the navigation and communication requirements for RNP 4, the existing requirements for aircraft to meet the minimum navigation requirements for RNP 10 on M767 and N884 applies. ATC separation would be applied appropriately based on RNP 10 navigation specification.

3.3 Aircraft intending to operate on ATS route M767 and segment of N884 that is not able to meet the minimum navigation requirements for RNP 10 must file their flight plan to operate at FL280 or below. Operations above FL280 for these aircraft will be subjected to ATC approval.

3.4 The detailed ATS route descriptions for M767 and N884 within Singapore FIR will be promulgated in a subsequent AIP Supplement.

4 CONSULTATION

4.1 For queries and clarification on this matter, please email CAAS_SINGAPOREAIS@caas.gov.sg.

4.2 This AIC supersedes AIC 01/2021 dated 04 May 2021.