

Introduction to PBN for Continuing Airworthiness Staff – 1/2 Day

Introduction

ICAO performance-based navigation (PBN) specifies that aircraft required navigation performance (RNP) and area navigation (RNAV) systems performance requirements be defined in terms of accuracy, integrity, availability, continuity, and functionality required for the proposed operations in the context of a particular airspace, when supported by the appropriate navigation infrastructure.

Historically, aircraft navigation specifications have been specified directly in terms of sensors (navigation beacons and/or waypoints). A navigation specification that includes an additional requirement for on-board navigation performance monitoring and alerting is referred to as a required navigation performance (RNP) specification. One not having such requirements is referred to as an area navigation (RNAV) specification.

Performance requirements are identified in navigation specifications, which also identify the choice of navigation sensors and equipment that may be used to meet the performance requirements. The navigation specifications provide specific implementation guidance in order to facilitate global harmonisation.

This course focuses on the needs of the Part M Continuous Airworthiness Maintenance Organisation (CAMO) Maintenance Staff and Aircraft Maintenance Organisation (AMO) Part 145. It is also appropriate for Operations Technical Staff and quality Assurance Auditors

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Who is the course for?

Regulatory Authority Members, Flight Safety Department Managers and Inspectors with operational oversight responsibilities. Operations Accountable Managers and proposed Nominated Persons (NP) Flight OPS, Maintenance Planning (CAMO) and Maintenance OPS (145) , Crew Training and Ground Ops, Compliance Monitoring Managers (Quality Managers) and Auditors, Safety Managers, Flight Safety Officers, Flight Operations Officers and Cabin Crew Management.

What is the Benefit of this Training – What will I learn?

- a) Understand the background to PBN technology
- b) Be able to Implement Quality Control Process and Procedures related to PBN OPS
- c) Understand the requirements related to Quality & Safety organisational obligations including Quality Assurance (QA) & Quality Control (QC)
- d) Communicate PBN requirements and explain the required organisational processes to ensure effective compliance

Detailed Content / Topics - The following Subjects will be addressed

- Introduction to Performance-Based Navigation (PBN)
- Abbreviations & Terms- Evolution of ICAO Navigation Specifications
- ICAO Global Air Navigation Plan and Timeline
- EASA Regulatory Drivers For PBN
- FAA Regulatory Drivers For PBN
- Future Air Navigation System FANS
- Airline Operations & Maintenance Responsibilities related to FANS
- Considering CNS/ATM, Communications, navigation, and surveillance systems (CNS) and Air Traffic Management System (ATM)
- Review of RNAV/RNP-equipped Flight Management Systems (FMS)

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Learning Objectives

To familiarize current AOC holders and other Operational and Concerned Personnel Maintenance Management & Operations with a detailed understanding of EASA Part OPS Structure and Environment related to PBN.

Target Groups

This course is particularly useful for maintenance managers, airworthiness inspectors, maintenance engineers, and other maintenance personnel who need to understand the technical requirements and operational impact of PBN procedures on aircraft systems and equipment.

Pre-requisites

A background or understanding of Operations within European aviation will be an advantage.

What do People Say about Sofema Aviation Services Training?

"I found satisfying answers to all my questions."
"The instructor demonstrated very deep knowledge of the subject."
"The length of the course fit my needs and expectations."
"The content was really effective, I gained a lot of new knowledge."
"The practical examples were perfectly delivered."

Duration

1/2 day – Start at 09.00 and finish at 13.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand