

## **INTRODUCTION**

The Handbook is divided into three parts.

Part 1 PBN Technology provides a summary of the enabling area navigation technology in order to provide operational approval inspectors with the technical background necessary for an informed and consistent management of PBN operational approvals. Additional study may be required depending upon the complexity of the operation and other factors, and reference is made in Part 3 to suitable sources of information.

Typically the operational approval process for established navigation technologies is well known and understood by inspectors and there is general consistency amongst regulators world wide in the issue of operational approvals. As Performance Based Navigation is a relatively recent development, regulatory authorities, inspectors and applicants require some time and experience to develop a thorough understanding of PBN operations, the associated technology and the approval process. In addition, some work remains to be done in the development of regulatory and guidance material and it is necessary that inspectors have a good knowledge of PBN principles, the associated technology and operating practices in order to accommodate any perceived limitations in the available documentation.

Part 2 PBN Operations discusses the approval of operations for each of the Navigation Specifications included in the PBN Manual. Where appropriate additional guidance material is provided to explain the context or intent of the navigation specification.

Part 3 Job Aids provide operators, and inspectors with guidance on the process to be followed in order to obtain a PBN operational approval.

It is intended that this Handbook is supplemented by a formal course of training for inspectors.