



EASA

European Aviation Safety Agency

Part-SPA Session 2 - PBN Introduction

**2nd Workshop on the Implementation
of the AIR OPS Regulation (EU) No 965/2012**

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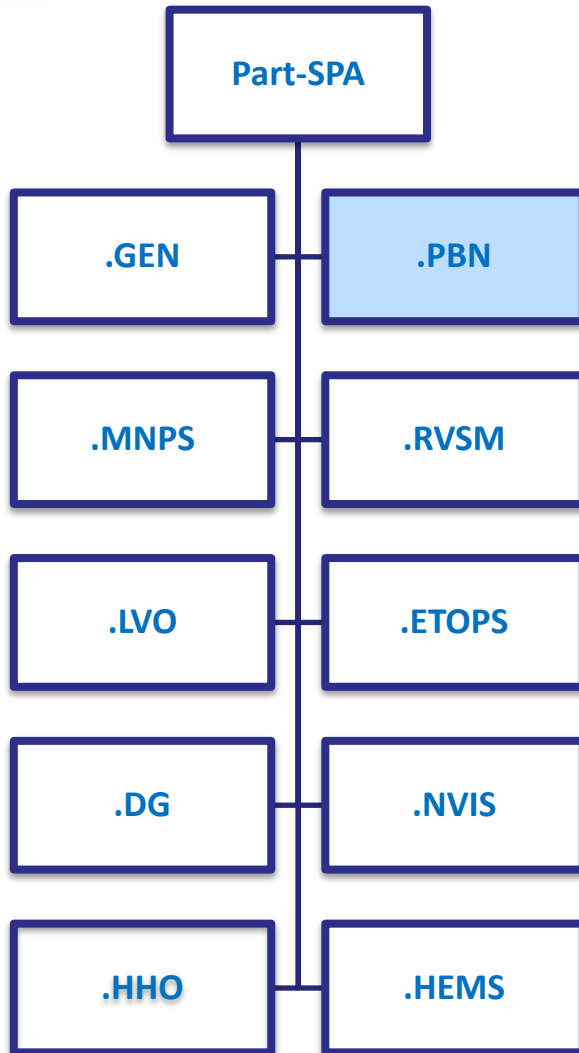
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TE.GEN.00409-001



Part-SPA | rule structure



- **.GEN** – general requirements
- **.PBN** – performance based navigation
- **.MNPS** – minimum navigation performance specifications
- **.RVSM** – reduced vertical separation minima
- **.LVO** – low visibility operations
- **.ETOPS** – extended range operations with two-engined aeroplanes
- **.DG** – dangerous goods
- **.NVIS** – night vision imaging systems
- **.HHO** – helicopter hoist operations
- **.HEMS** – helicopter emergency medical services



➤ PBN operations

➤ Specific approval required:

- for all PBN operations except for RNAV 5
- of CAT, NCC, SPO operations by European air operators
- Note: applicability to NCO operations currently excluded

➤ Rule references:

➤ European rules

- Part-SPA, IR and GM
- AMC 20 material: 4, 12, 26, 27, 28

➤ ICAO

- Doc 9613 (PBN Manual),
- Doc 9997 (PBN operational approval Manual)



Part-SPA | SPA.PBN

Navigation Specification	EASA AMCs	Other reference material
RNAV 10	AMC 20-12	Doc. 9613, Order 8400.12C
RNAV 5	AMC 20-4	Doc. 9613, AC 90-96A
RNAV 2		Doc. 9613, AC 90-100A
RNAV 1		TGL10, Doc. 9613, AC 90-100A
RNP 4		Doc. 9613, Order 8400.33
RNP 2		Doc. 9613
RNP 1		Doc. 9613, AC 90-105
RNP APCH (LNAV)	AMC 20-27	Doc. 9613, AC 90-105
RNP APCH (LNAV/VNAV)	AMC 20-27	Doc. 9613, AC 90-105
RNP APCH (LP)	AMC 20-28	Doc. 9613, AC 90-107
RNP APCH (LPV)	AMC 20-28	Doc. 9613, AC 90-107
RNP AR APCH	AMC 20-26	Doc. 9613, AC 90-101A
RNP 0.3 (helicopter)		Doc. 9613
A-RNP		Doc. 9613



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Thank you for your attention

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