



EGNSS for RNP Approach Operations

Essential information for ROTORCRAFT OPERATORS

GNSS based RNP (& AR) APCH Operations for Rotorcrafts

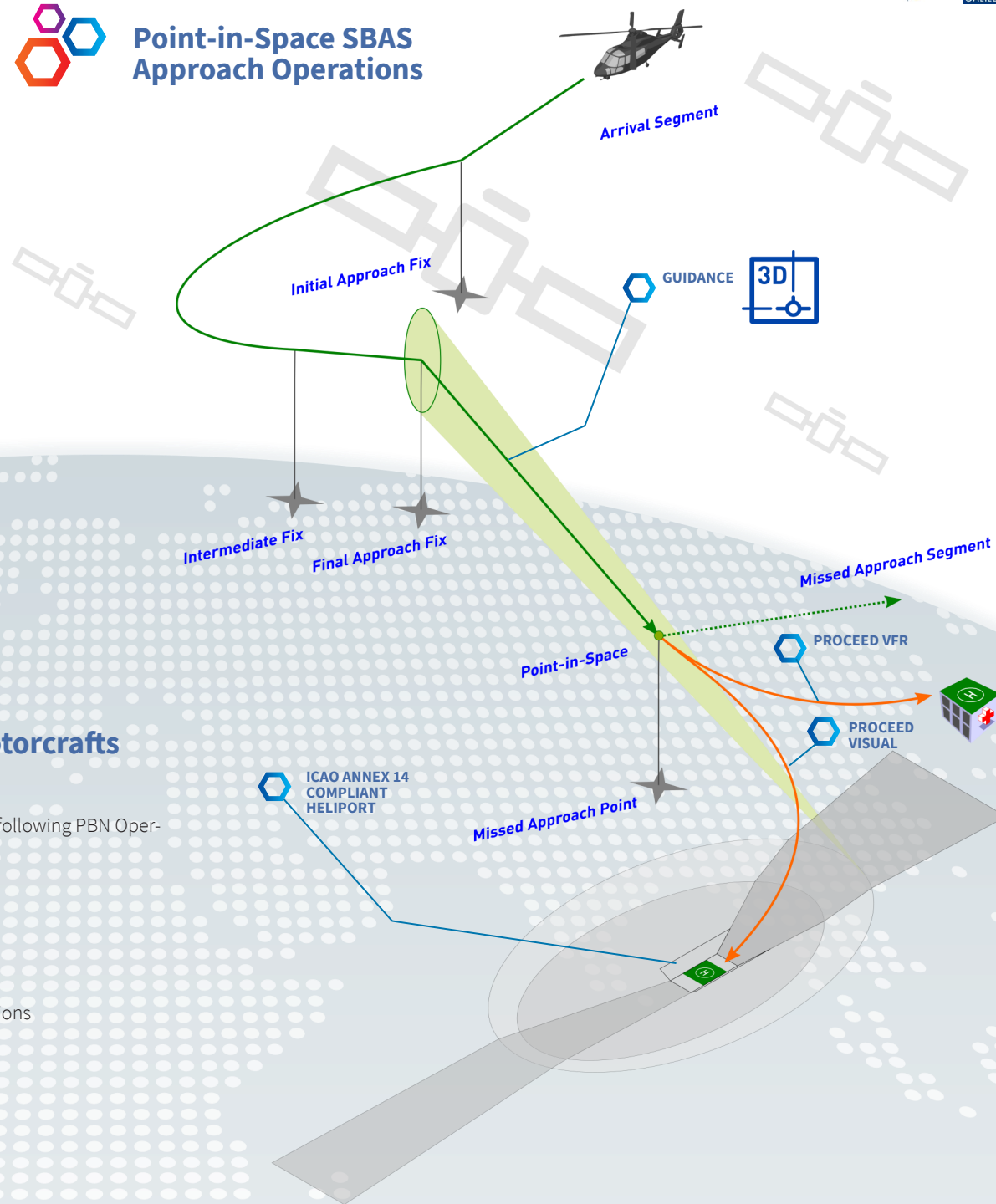
Current and near-term future applications of different RNP Specifications include the following PBN Operations for use by rotorcraft:



- Approach with Vertical Guidance SBAS
- SBAS Point-in-Space Approaches & Departures
- SBAS PinS RNP AR APCH Operations
- RNP AR APCH Operations
- RNP 0.3 En-route/Arrival/Approach/Departure Operations
- Simultaneous Non-Interfering Operations
- Steep Approaches
- SBAS Offshore Approach Procedures
- GNSS based low flight routes

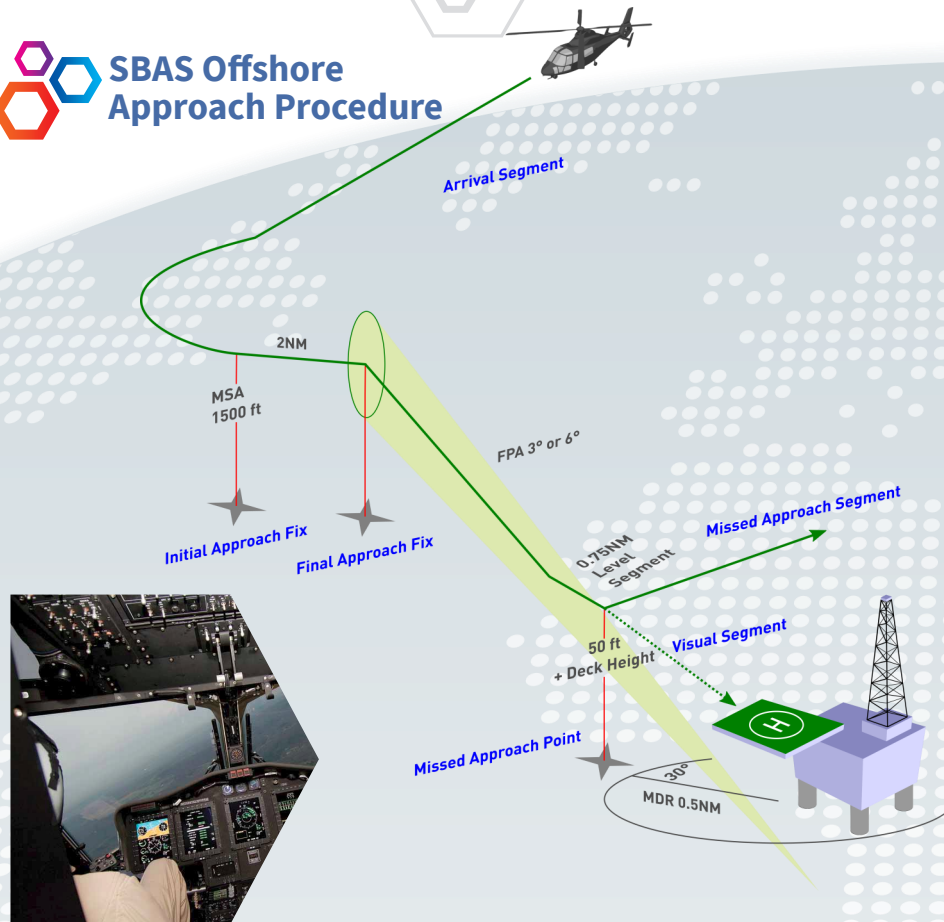


Point-in-Space SBAS Approach Operations





SBAS Offshore Approach Procedure



Until emergence of EGNSS, development of IFR rotorcraft-specific procedures was impeded by the lack of IFR procedures adopted to rotorcraft specific operational characteristics and environment.

EGNSS now supports new rotorcraft-dedicated PBN Specifications (RNP 0.3) and ICAO criteria for Point-in-Space Approach and Departure operations, supporting navigation in all flight phases.

GNSS based RNP APCH Operations

These include subset of operations when using line of minima more than RNP 0.3 in FAS:
APV SBAS
PinS SBAS Approach

GNSS based RNP AR APCH Operations

Operators can be authorised for all or any subset of these types of procedures:

- Reduced lateral obstacle evaluation area on the missed approach or departure (also referred to as a procedure requiring RNP less than 1.0) or
- When conducting a RNP AR approach using a line of minima less than RNP 0.3 and/or a missed approach or departure that requires RNP less than 1.0. and
- Ability to fly a published ARC (also referred to as a RF leg)

SBAS Offshore Approach Operations

These include subset of operations when using line of minima more than RNP 0.3 in FAS:
PinS SBAS Approach
Criteria under development

GNSS based PinS RNP AR APCH Operations

Same as for the RNP AR APCH Operations within environment which includes ICAO Annex 14 compliant heliport and non-compliant landing sites
Criteria under development

Obstacle environment complexity & RNP