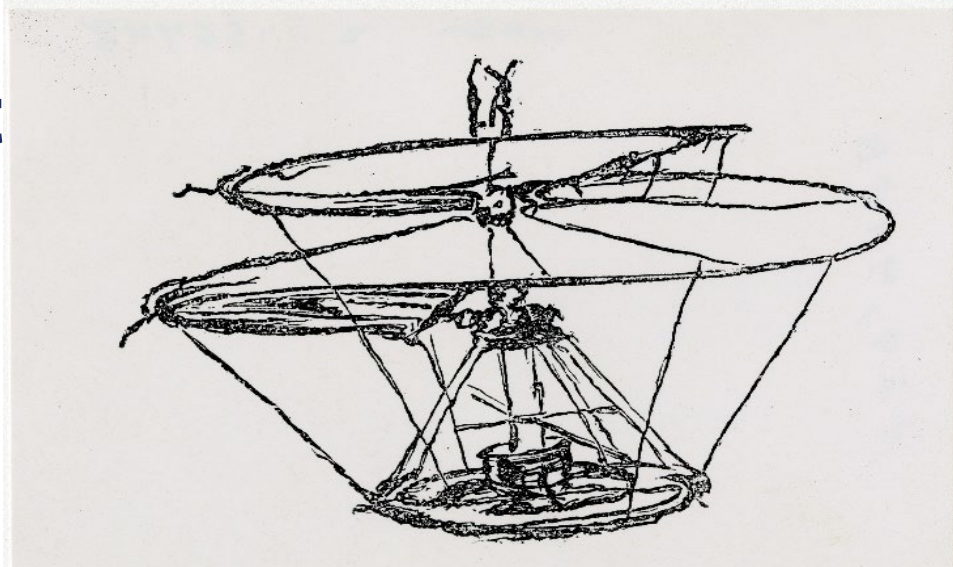




Federal Aviation  
Administration

# Helicopter Instrument Criteria Document Update



Presented to: **USHST IWG**

By: **Mike Webb**

Date: **Apr 5, 2022**

# Agenda

- **Helicopter Performance Based Navigation Service Spectrum**
- **Status on FAA Helicopter Instrument Criteria**
- **Future Criteria**
- **What do you think?**



# Status on FAA Helicopter Instrument Criteria

- **New approach to FAA Instrument Criteria**
  - Scheduled, more frequent updates to criteria
    - Two major updates a year
    - Allows planned implementation of new capabilities and changes.
- **Performance Based Navigation Instrument Criteria**
  - Criteria is based on National Navigation Specifications
    - Advisory Circular AC 90-105A, Approval Guidance for RNP Operations and Barometric Vertical Navigation in the U.S. National Airspace System and in Oceanic and Remote Continental Airspace
  - Procedure capability based on aircraft equipment and pilot training/qualification

# Helicopter PBN Service Spectrum

## Helicopter Users

\* Primary IFR Users

Off Shore\* Helicopter Air Ambulance\*

Military\*

Executive\*

Tourism

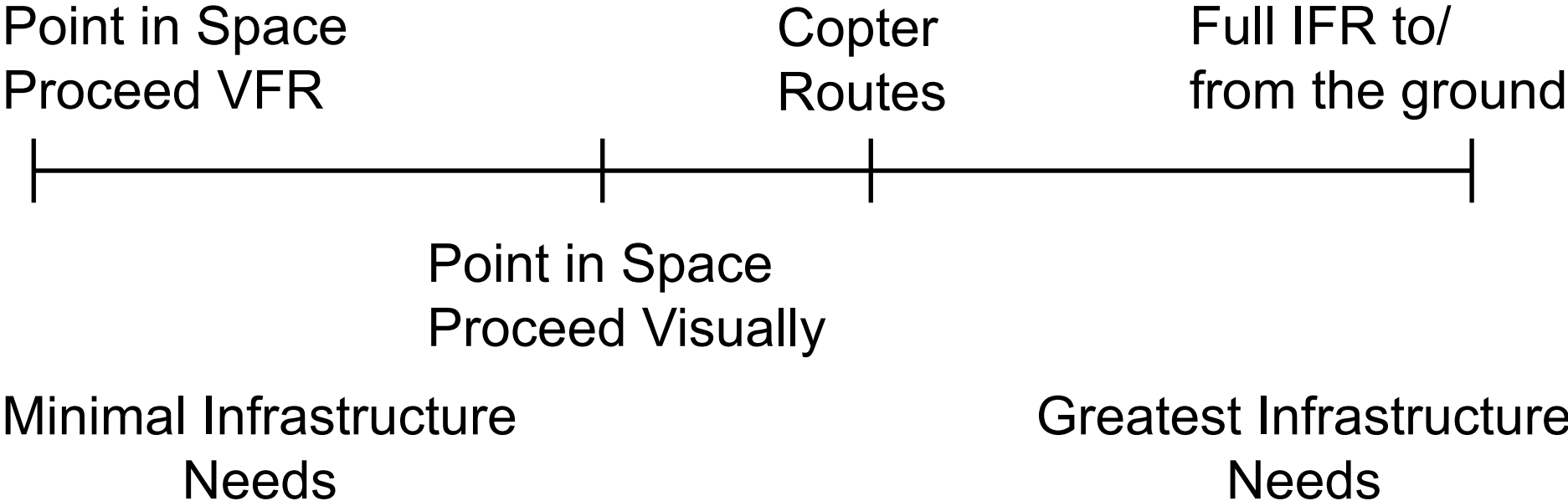
Law Enforcement\*



# Helicopter PBN Service Spectrum

## Level of Service

### Spectrum of IFR Operations



### Differing Infrastructure Needs



# Status on FAA Helicopter Instrument Criteria

- **FAA Order 8260.42B, United States Standard for Helicopter Area Navigation (RNAV)**
  - The criteria is being moved from one consolidated document to the primary FAA criteria documents
  - Once the changes are approved the FAA Order 8260.42B will be cancelled
- **FAA Order 8260.3, United States Standard for Terminal Instrument Procedures**
  - US Standard for Instrument Procedures using conventional navigation aids and common criteria that is not navigation source dependent, e.g. Visibility Criteria
  - Incorporated helicopter infrastructure guidance from the 42B
  - Introduced Point in Space approach and departure criteria for helicopters using conventional (e.g. VOR) navigation aids.

# Status on FAA Helicopter Instrument Criteria

- **FAA Order 8260.19, Flight Procedures and Airspace**
  - Incorporate unique helicopter Procedure Notations
  - Identifies Airspace requirements for the Helicopter Instrument operations.
  
- **FAA Order 8260.46, Departure Procedure (DP) Program**
  - Documentation and implementation standards for Helicopter Point in Space Departures
  - Includes documentation and implementation standards for RNP 0.3 departures
  - Introduce Helicopter Departure documentation for helicopter departure from a helipad

# Status on FAA Helicopter Instrument Criteria

- **FAA Order 8260.58, United States Standard for Performance Based Navigation (PBN) Instrument Procedure Design**
  - US Basis for PBN Implementation
  - Includes Enroute Airways, Terminal Area STARS, SIDS, Approaches and Departure Criteria
  - New home for the helicopter RNAV criteria elements
  - Approaches, Departures, Helicopter Airways, RNP 0.3 Enroute and Terminal Routes
  - Improves the Capability of being automated





# Current Planned Future Criteria

- **Refining Departure Criteria**
  - Point in Space
  - Departures from Helipad
- **Infrastructure**
  - Defining Instrument Flight Rules Heliport

# What do you think the FAA should be doing?

- **What do you as an industry think the future IFR direction should be for the FAA**
- **Armed with that knowledge the Helicopter Modernization Team will identify gaps between where we are and identify necessary actions to get to that future state.**

# Contacts

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