



# REMOTELY PILOTED AIRCRAFT SYSTEMS SYMPOSIUM 23-25 March 2015

## ICAO Vision

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## ICAO Vision & Role

- **Sustainable growth of the global civil aviation system**
- **Global forum for States & Industry to address international civil aviation**

## ICAO RPAS Objective

- **Integrate RPA into non-segregated airspace and aerodromes**
- **Maintain existing level of safety for manned aviation**
- **Minimize impact on the environment**

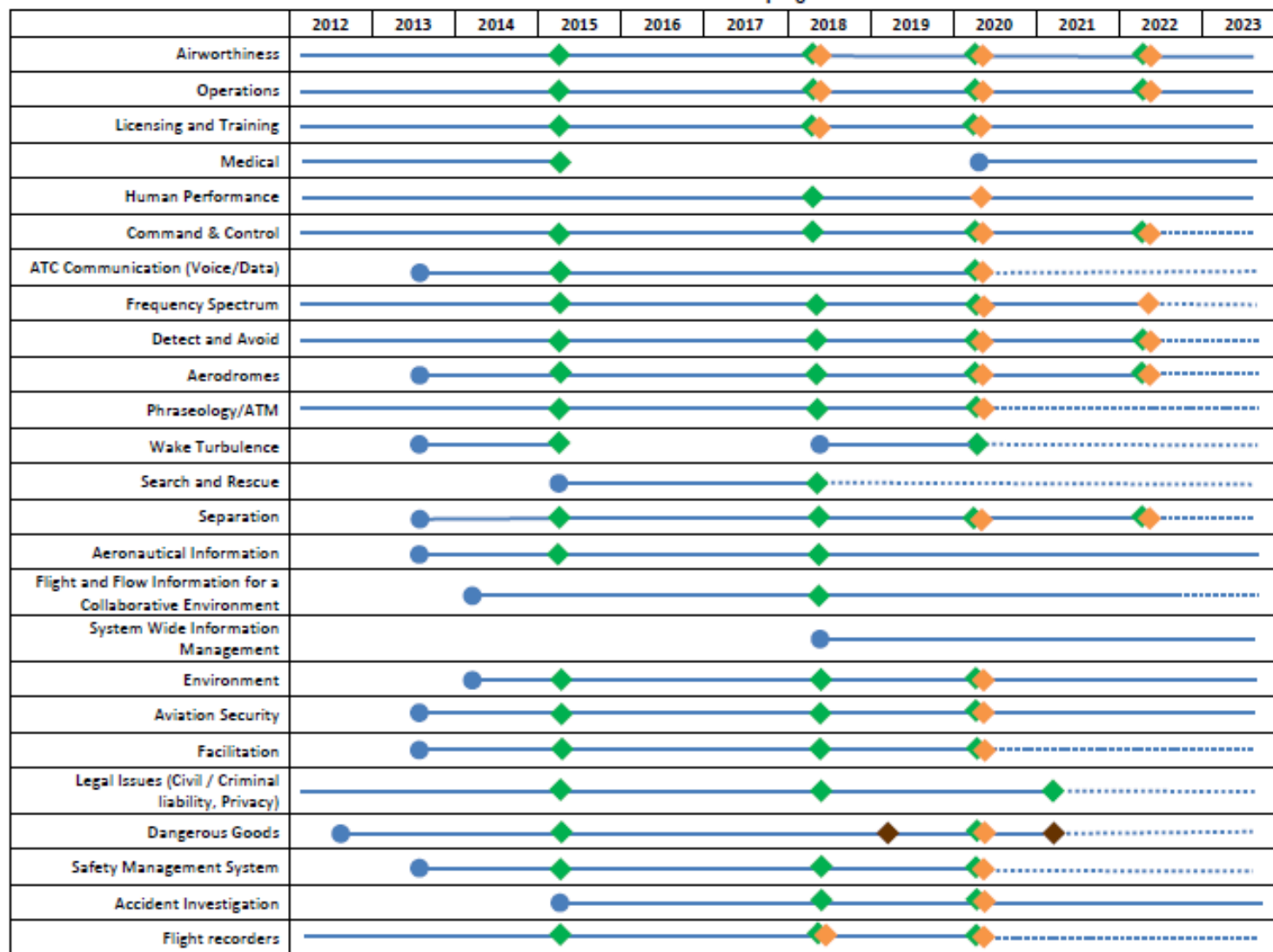
# Aviation System Block Upgrades (ASBUs)

- **Block Upgrades are organized in six-year increments through 2030**
  - **Module No B1 (intended to be available 2018)**
    - implementation of basic procedures for operating RPA in non-segregated airspace
  - **Module No B2 (intended to be available 2024)**
    - refined operational procedures that cover lost C2 link and detect and avoid technologies
  - **Module No B3 (intended to be available 2030)**
    - RPA should be able to operate on the aerodrome surface and in non-segregated airspace just like any other aircraft

## ICAO RPAS Programme

- **Covers all relevant subjects as in manned aviation, incorporating RPAS characteristics**
  - licensing
  - certification
  - usage of frequency spectrum
  - environment
  - communication / navigation / surveillance
  - liability concerns
  - etc

Timeline related to RPAS work program



Legend: ● Start ◆ Guidance Material ◆ SARP / PANS ◆ Technical Instructions — Development ... Maintenance

# Collaboration & Harmonization

- **Minimize duplication and divergence**
  - **Coordination with States / organizations**
    - National concepts / best practices for integration
    - International Telecommunication Union (ITU) concerning frequency spectrum
    - Industry: concerning development and implementation of technical requirements
    - CAEP working to understand environmental challenges

## Feedback

- **Your feedback is needed to assess where we are and where we collectively are going**
- **This symposium is for all of us, participate actively.**





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THANK YOU