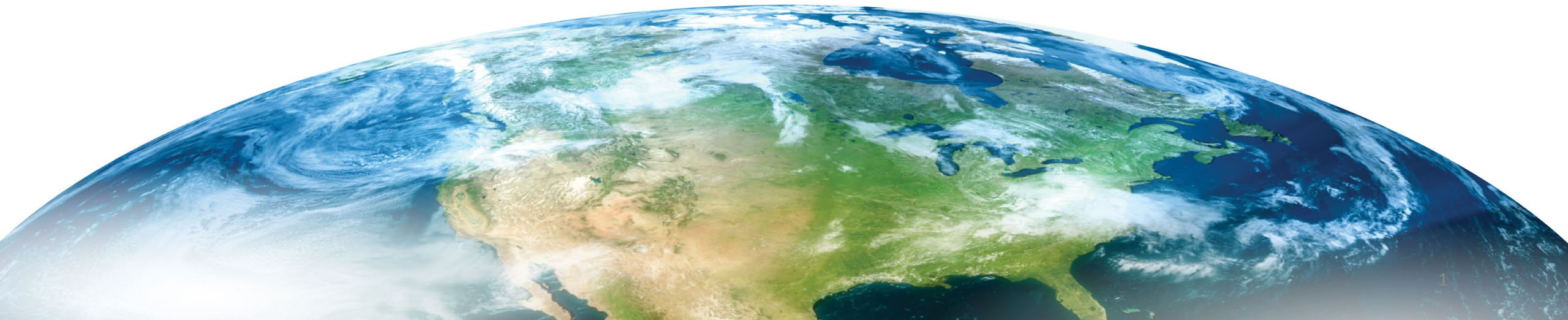




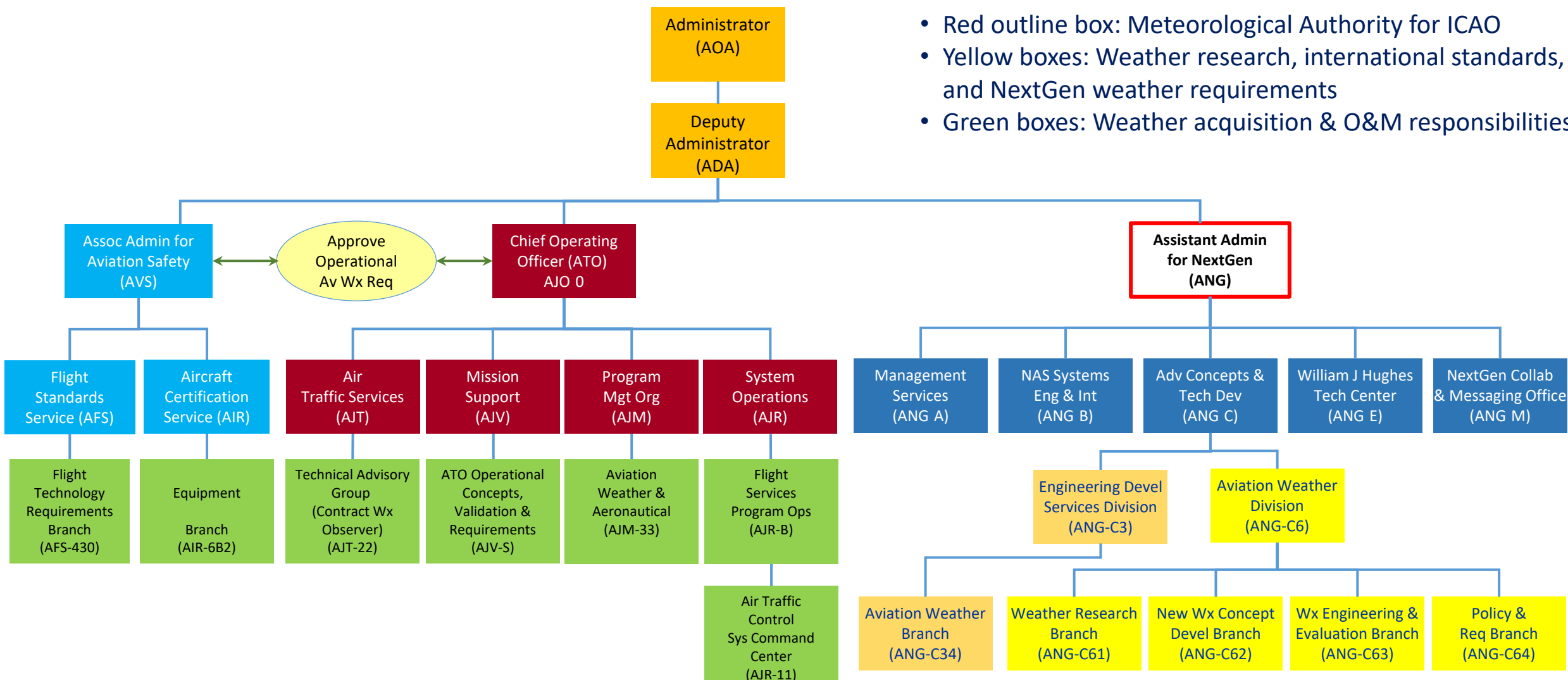
Weather Requirements Service (WRS) Process

Presented by Pat Murphy, ANG-C64
September 1, 2020



Weather Across the FAA

- Red outline box: Meteorological Authority for ICAO
- Yellow boxes: Weather research, international standards, and NextGen weather requirements
- Green boxes: Weather acquisition & O&M responsibilities

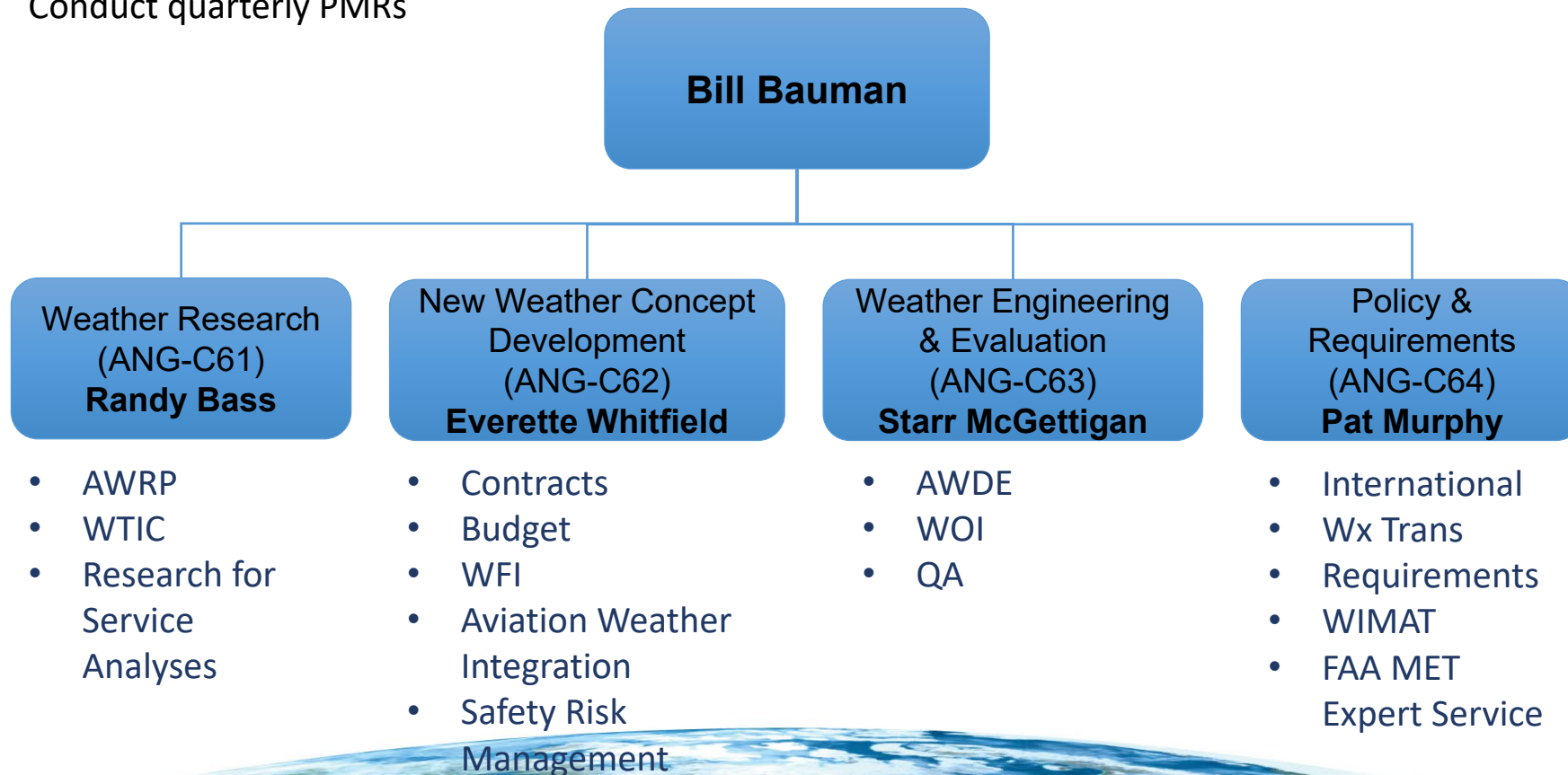


Aviation Weather Division ANG-C6

Develops weather and weather-related constraint information for ready integration into decisions by pilots, controllers, dispatchers, and airport operators

Coordinates and works with FAA operations, safety and standards organizations, NWS and commercial sector to improve and integrate weather information into operational aviation decision making

Conduct quarterly PMRs



AWD Requirements Service

The FAA Wx Requirements Process Is Divided Into Five Main Phases:

1. Needs Analysis
2. Operational Concept & Use Description
3. Requirements Development & Validation
4. Formal Requirements Allocation & Transmittal
5. Post-Transmittal



Weather Needs Portal (WNP):

<https://www.faa.gov/nextgen/programs/weather/suggestions/>

- Aviation stakeholders can use the WNP [to submit requests](#) for weather-related products and services to the Policy & Requirements Branch (ANG-C64).
- In addition to contact information, we ask for:
 - A description of the aviation weather problem
 - Existing operational gaps
 - Benefits to aviation
 - Potential users
 - The proposed solution (optional)
 - Other background information
- The WNP is currently in the beta-testing phase—there will be further development in the coming months, but please feel free to use the form now to submit your weather needs and



*Scan this QR Code to
go directly to the WNP
Submission Form*



Weather Needs Portal (WNP)

NextGen Aviation Weather Request Form

* indicates a required field.

* Title of Request:

* Request Originator

Email:

* Briefly describe the

problem you are
trying to solve.

Please don't use
this field to
provide a solution:

* Existing Operational

Gaps:

* Benefits to aviation:

* Potential users:

Proposed solution:

Other background
information:

☐

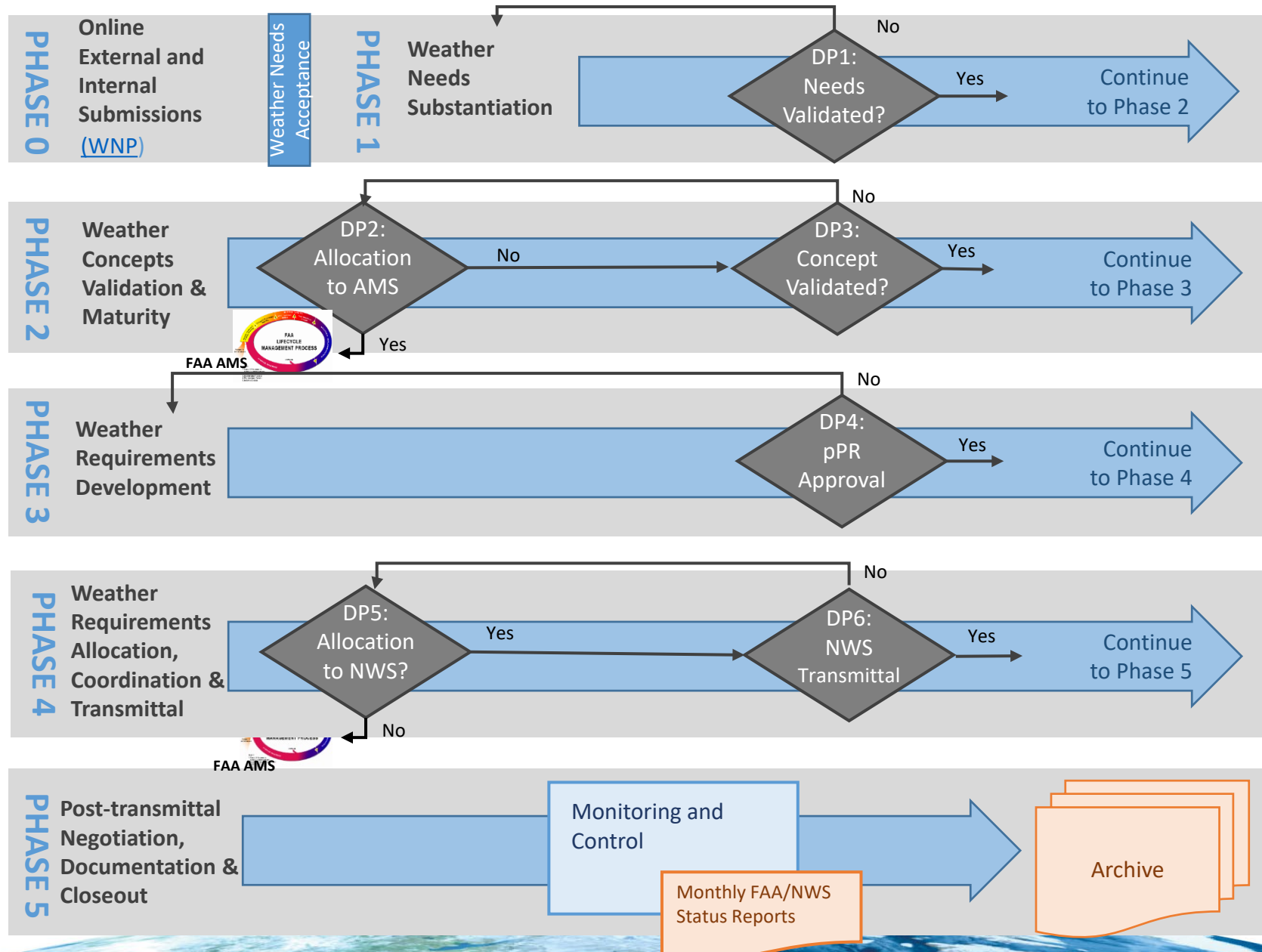
I'm not a robot



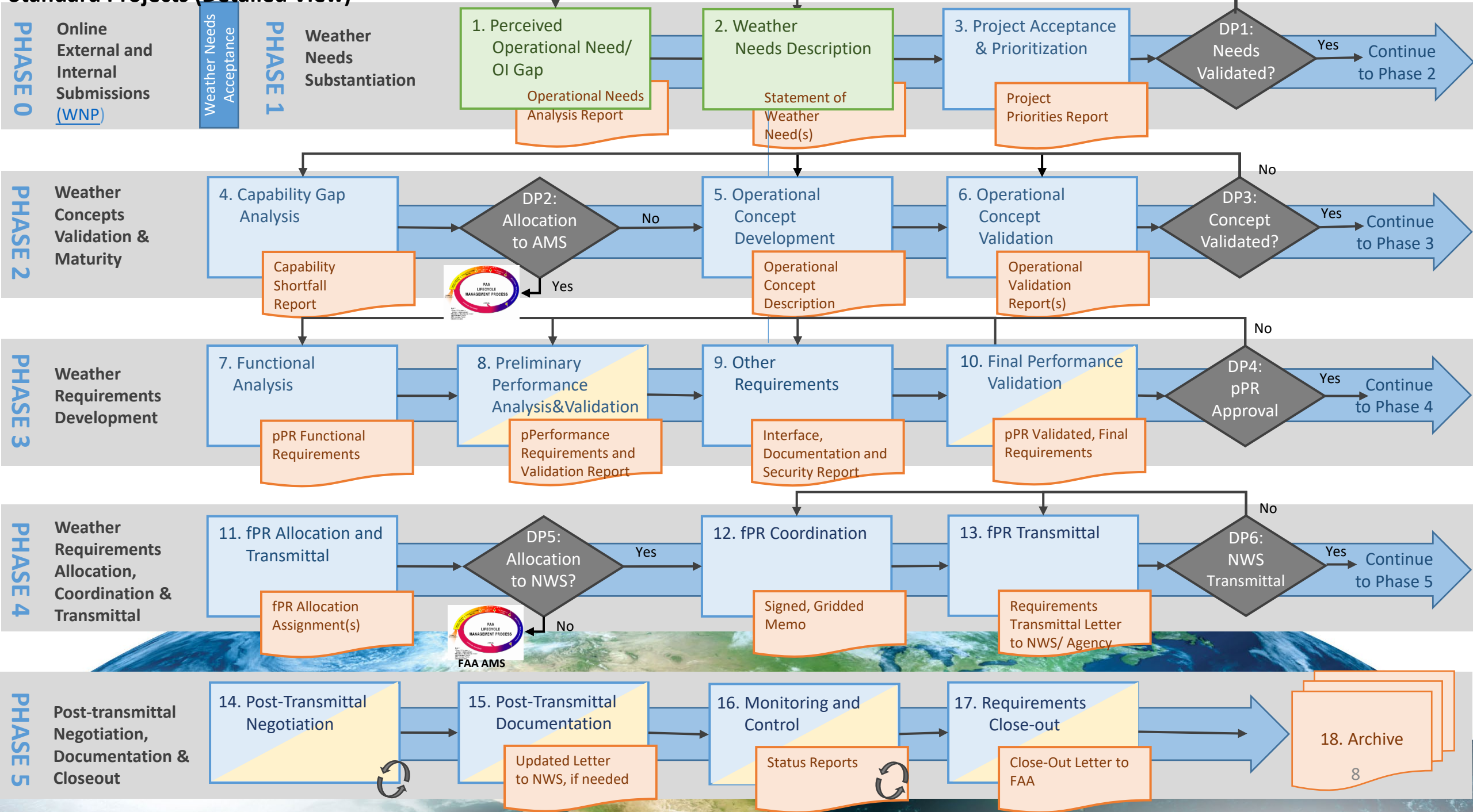
reCAPTCHA
Privacy - Terms

Submit

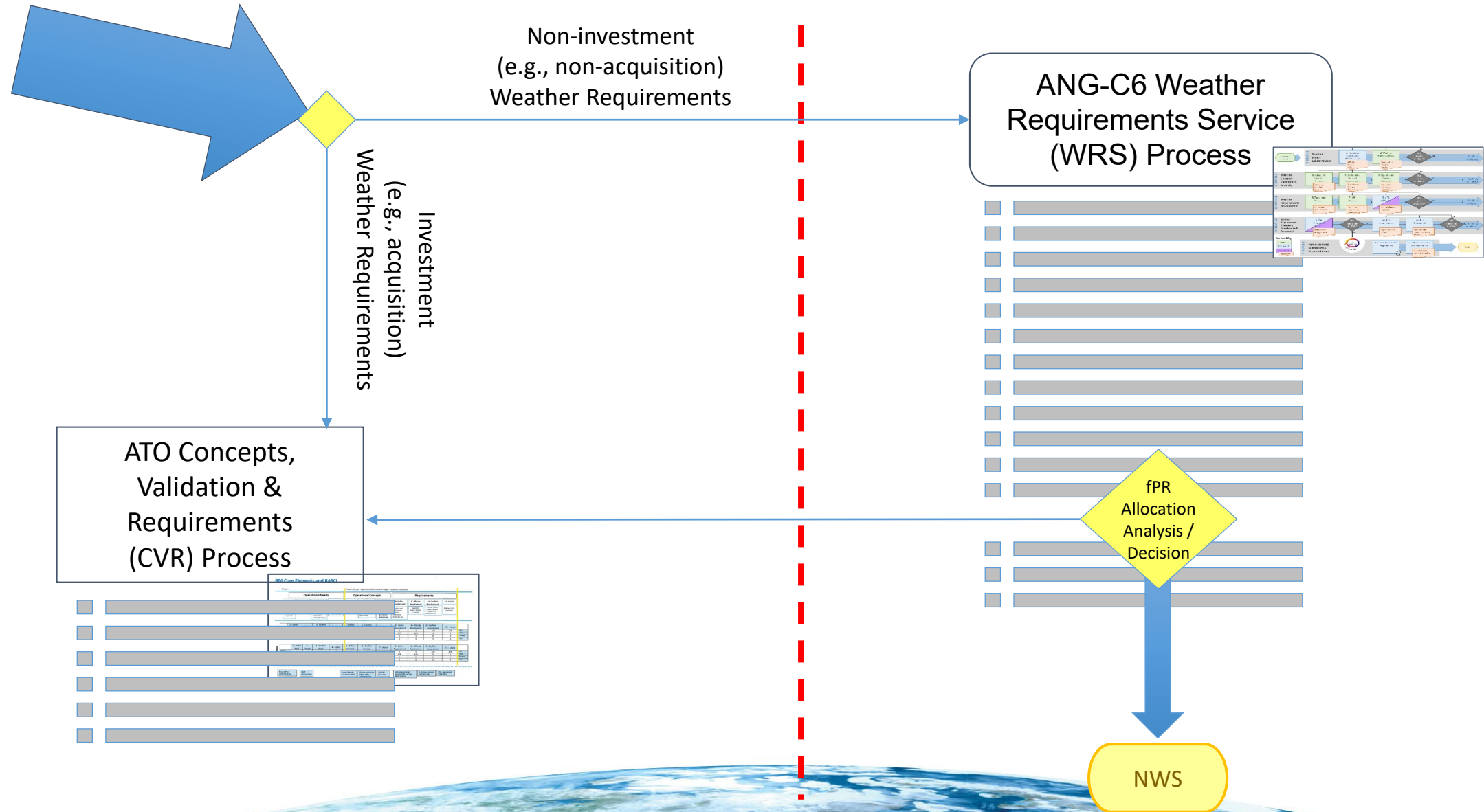
AWD Requirements Service Process



Standard Projects (Detailed View)



Alignment of Processes



Examples of Requirements Types

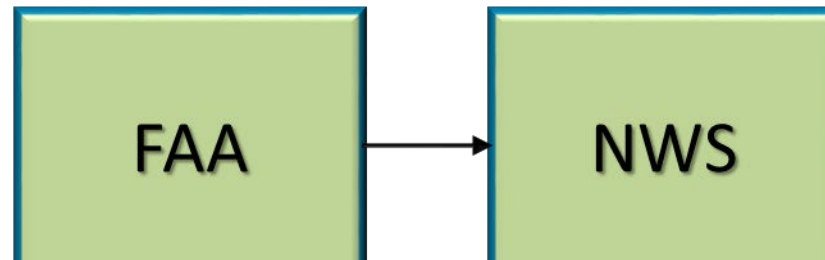
Investment (e.g., acquisition) Weather Requirements	Non-investment (e.g., non-acquisition) Weather Requirements
<ul style="list-style-type: none"> • NextGen MOC • NextGen FOC • NAS Top-Level Targets • CoSPA • CIWS/ITWS • NWP/CSS-Wx 	<ul style="list-style-type: none"> • FA Transition 'Requirements' (via ARWG) • CORE 30 TFM (via TRWG) • AWIPS Replacement for the Weather and Radar Processor (WARP) • Collaborative Convective Forecast Product (CCFP) annual requirements • Aviation Weather Statement (AWS) Statement of Need • Aviation Winter Weather Dashboard (AWWD) via CDM Weather Evaluation Team (WET) • 2-8hr Convective Forecast • METAR Remarks (RMK) • Small Hail/Snow Pellets (GR/GS) • Alaska Terminal Forecast Guidance • TFM Convective Forecast (TCF) • Short Range Ensemble System (SREF) • Canadian Radars (CanRad) • Canadian Terminals Added to AWWD • Collaborative Aviation Weather Statement (CAWS) Preliminary Requirements • Alaska RAP Grid 83 • 25K Ceiling Observations



AWD Requirements Service Overview

The AWD Requirements Service is a repeatable process by which weather requirements are developed, validated, allocated, and transmitted to the NWS or FAA.

1. FAA Collaborative Sub-Process
2. NWS Collaborative Sub-Process



Questions?



Backup Material



Accelerated Projects

