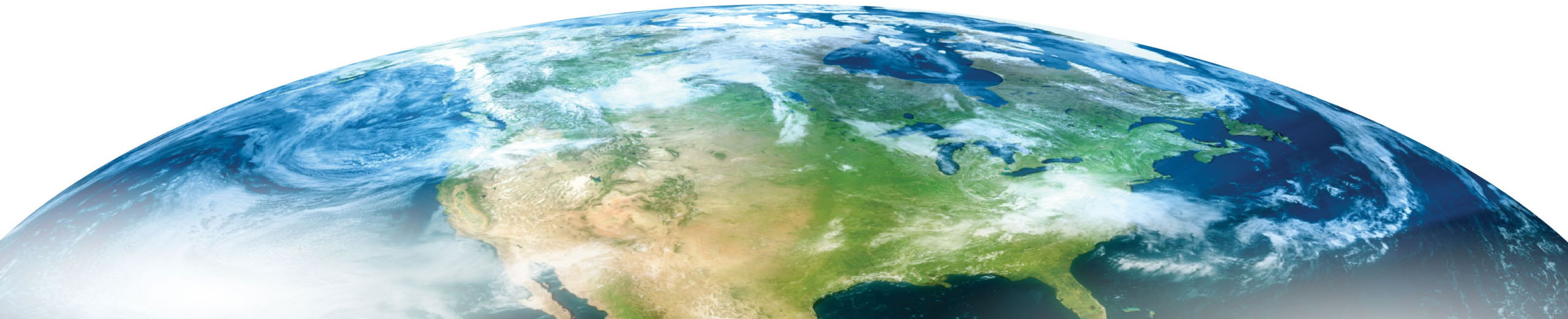




# ANG-C6 WX Requirements Process

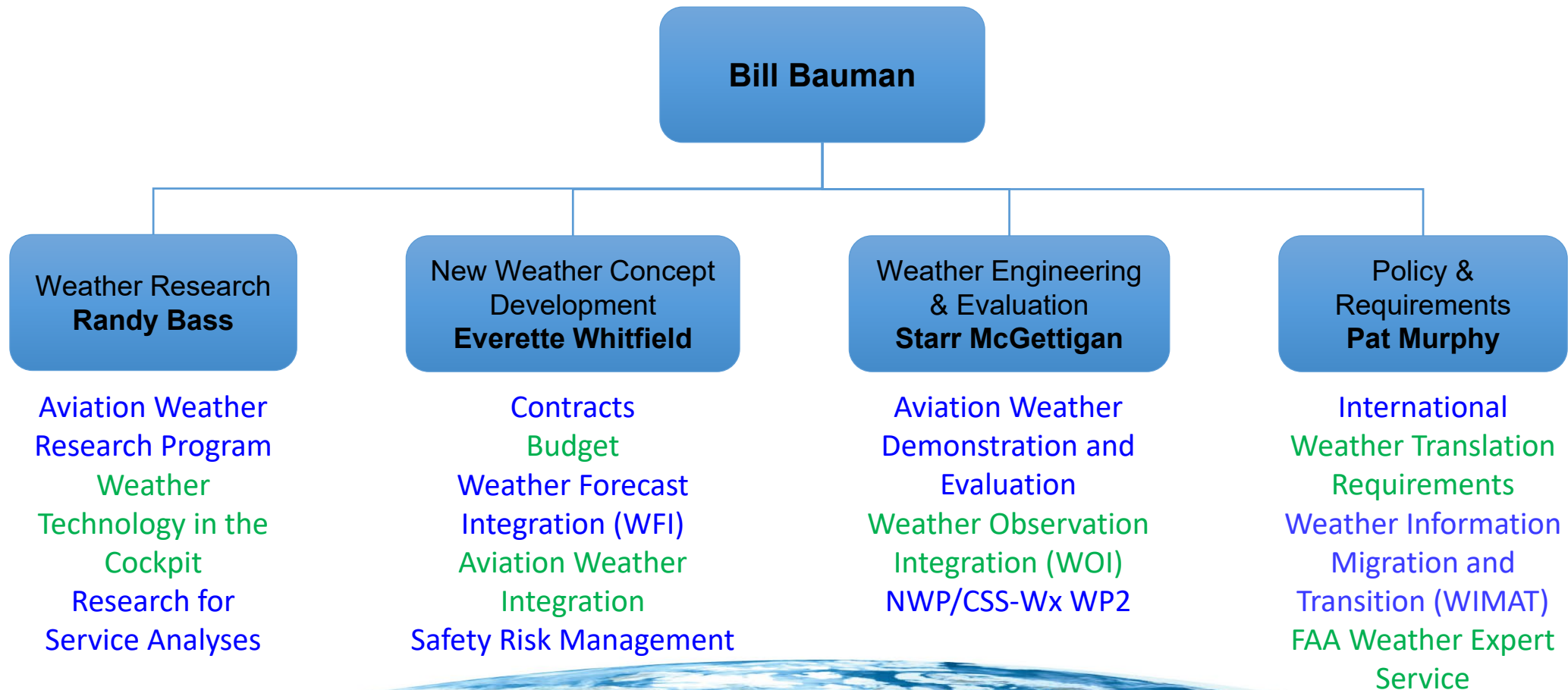
Presented by Dr. William Bauman,  
Manager, Aviation Weather Division  
ANG-C6



# Aviation Weather Division Organization

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

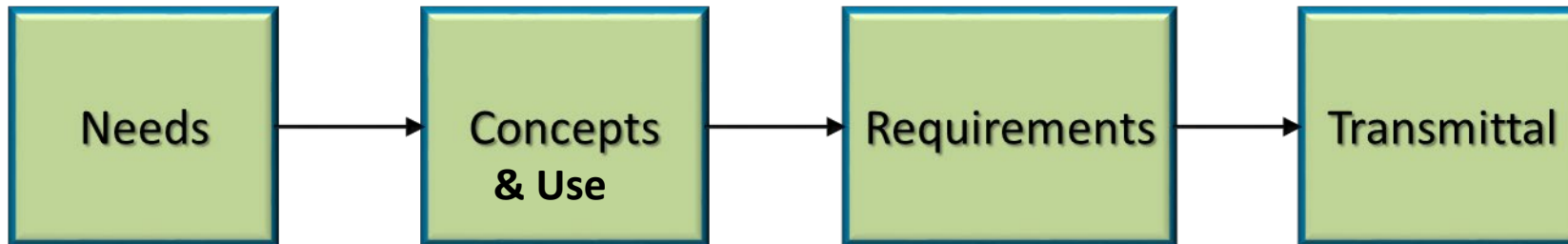
Coordinates and works with FAA operations, safety and standards organizations, NWS and commercial sector to improve and integrate weather information into operational aviation decision making



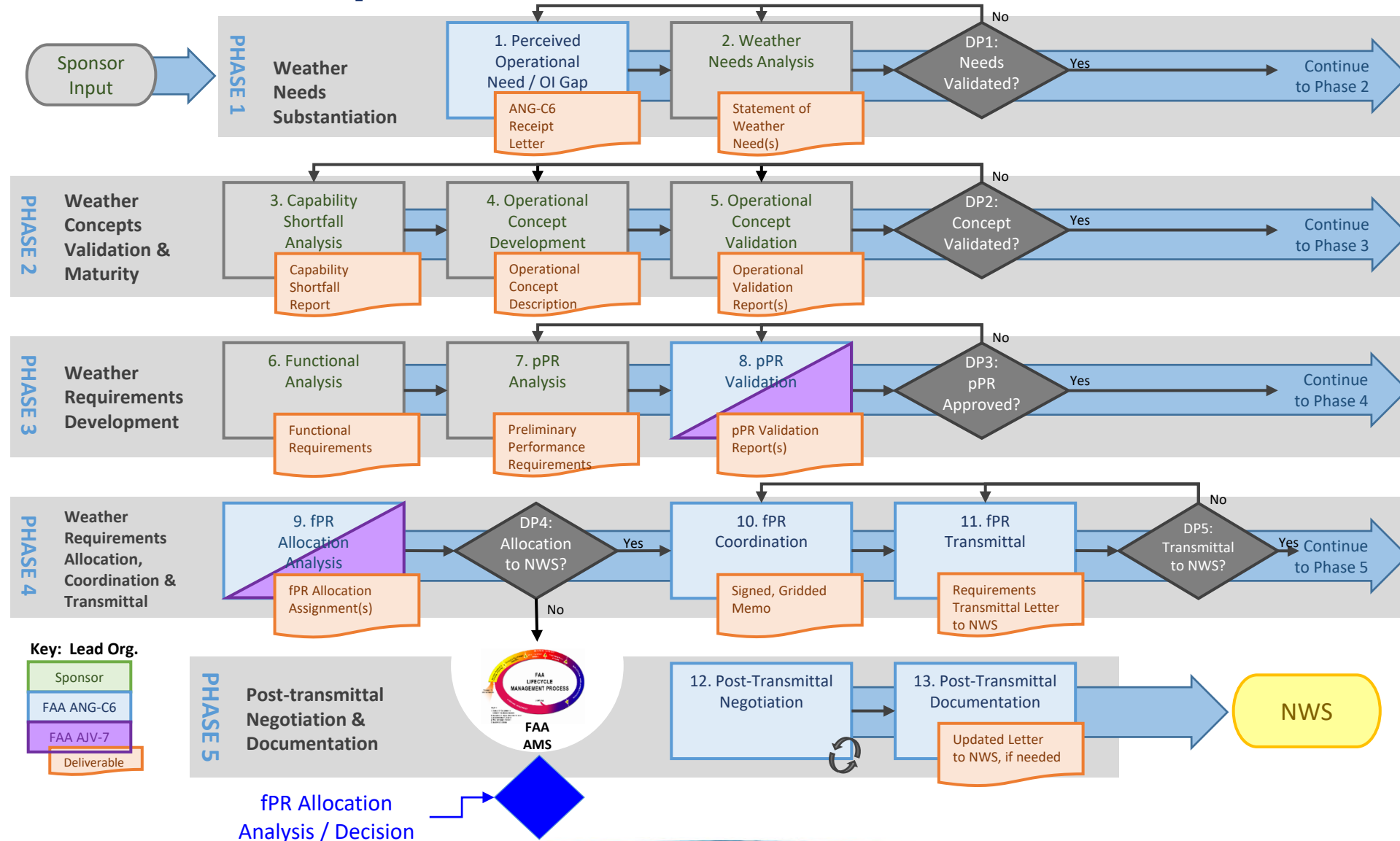
# Aviation Weather Division Requirements Service

FAA process has four main phases:

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



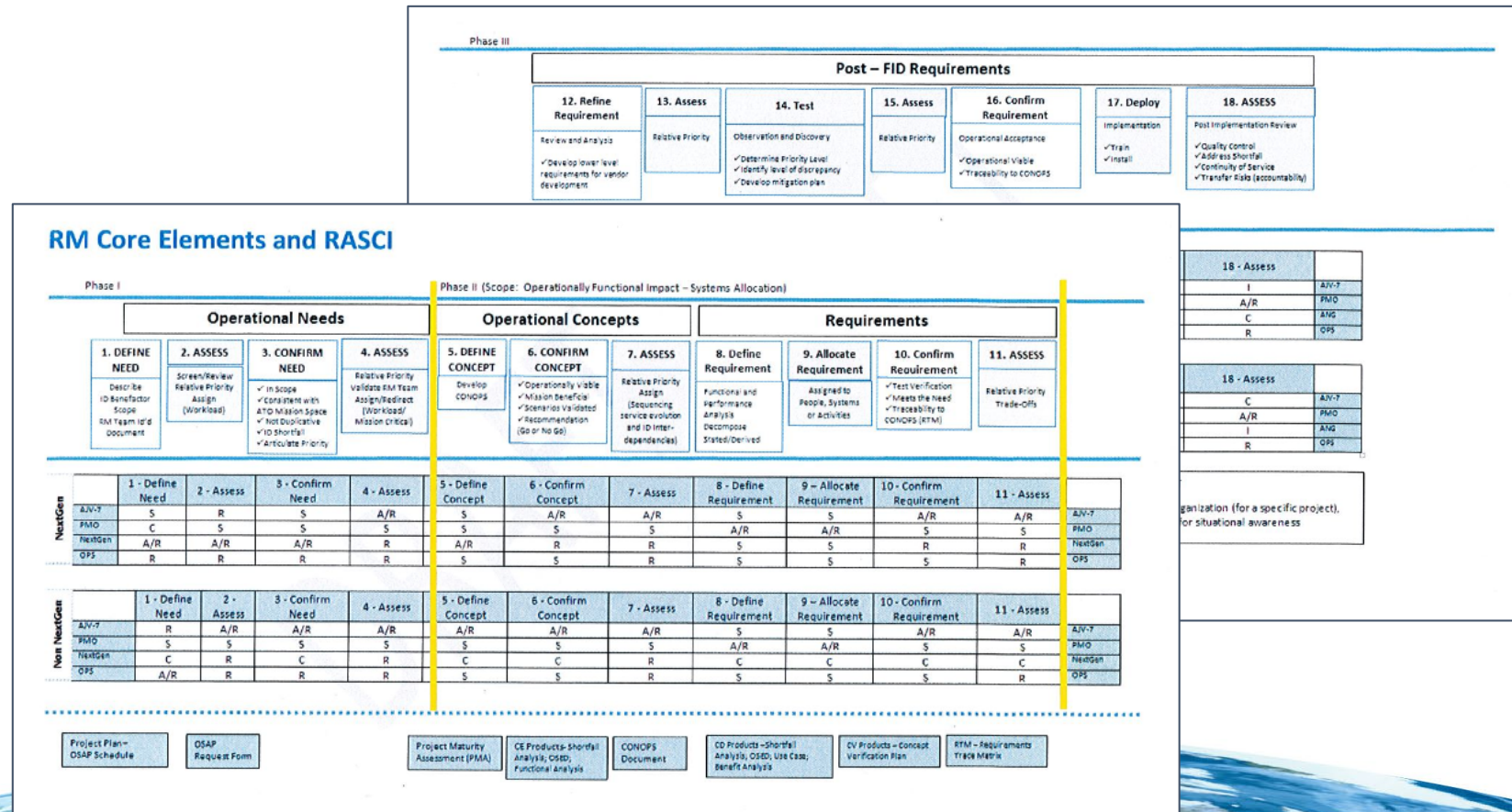
# Weather Requirements Process

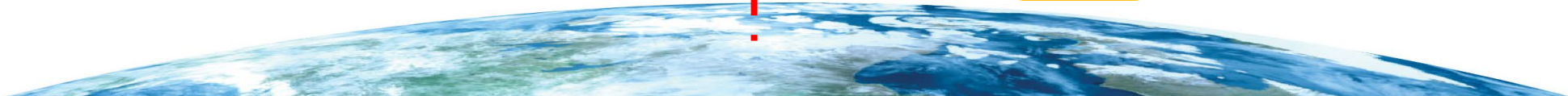




# ATO Concepts, Validation & Requirements (CVR) Process

- FAA process to understand, confirm and prioritize Air Traffic Management/ Air Traffic Control operational needs and to ensure that NAS changes addressing those needs are sound and well timed
- AJV, AJM, ANG and ATO each play a role in the CVR Process





# Examples of Requirements Types

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



# Examples of Requirements Types

Aviation Weather Division Requirements Service is a repeatable process by which weather requirements are developed, validated, allocated, and transmitted to FAA or NWS

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

