

# AIR & Industry Transformation



Federal Aviation  
Administration

## Partnership as a Key to Success



**Presented to:** 10<sup>th</sup> EASA Rotorcraft Symposium

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# External Factors Challenging the Aviation System

	Description	Implications
<b>Industry growth</b>	 <ul style="list-style-type: none"><li>Industry expands and contracts much faster than the FAA in its current structure can manage</li></ul>	 <b>Stress on traditional AIR structure and processes creating a need for agility</b>
<b>Globalization of aviation</b>	 <ul style="list-style-type: none"><li>Industry is made up of an international web of networks and complex business arrangements that are challenging our traditional regulatory model</li></ul>	 <b>Need for international collaboration</b>
<b>Heightened expectations</b>	 <ul style="list-style-type: none"><li>The public, industry and government entities continue to increase their expectations of us to do things faster and without error</li></ul>	 <b>Pressure on AIR to become efficient and agile</b>
<b>Velocity of change</b>	 <ul style="list-style-type: none"><li>Technological advances and business model changes are precipitating higher rates of change and increasing the need for organizational agility and adaptability as our environment changes</li></ul>	 <b>Complexity and volume of standards needs</b>



# Congressional Input

## **FAA Modernization and Reform Act 2012**

- **Section 312: Aircraft Certification Process Review and Reform**

**2013**

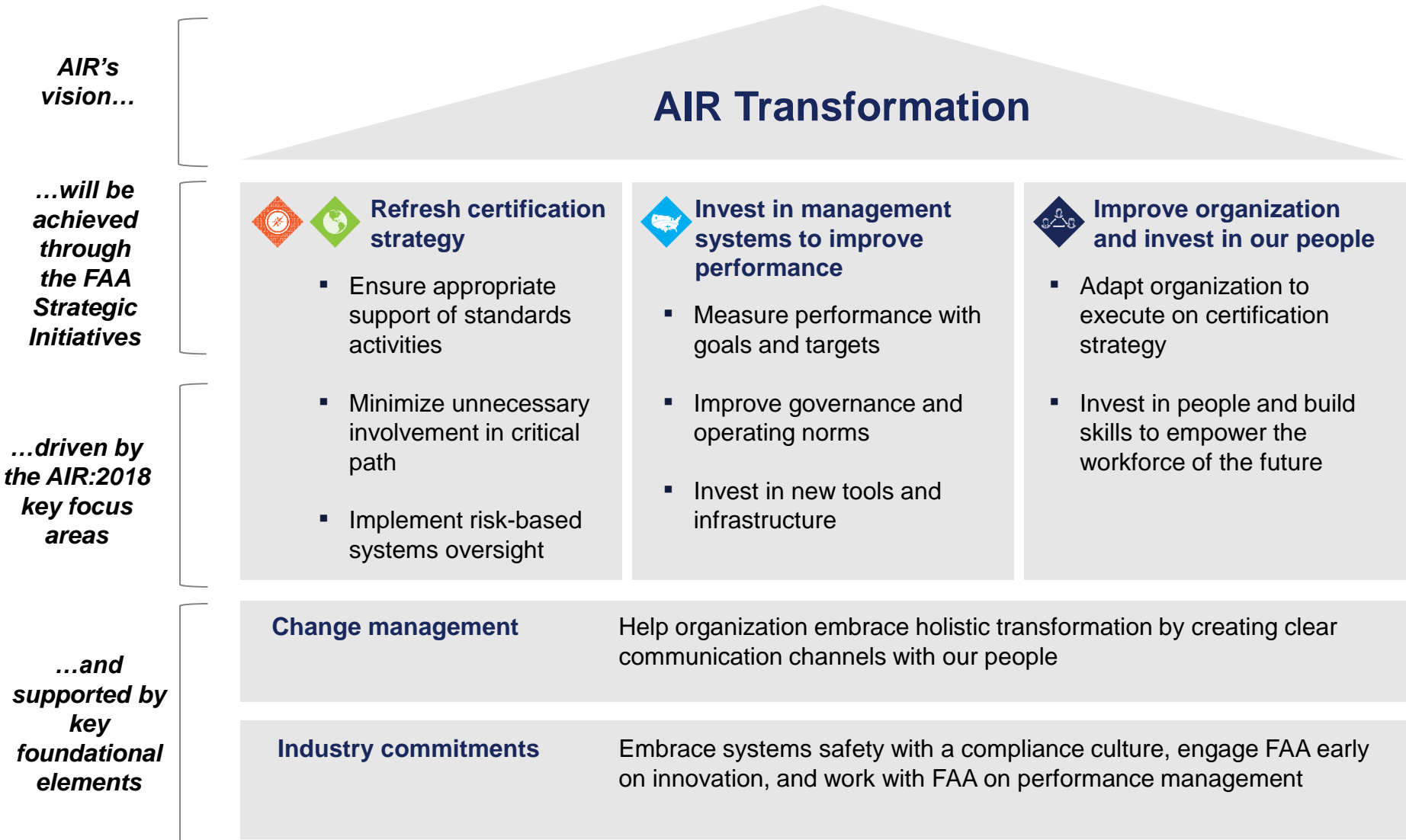
- **House Aviation Subcommittee hearing on**
  - **Review of FAA's Certification Process: Ensuring an Efficient and Effective, and Safe Process**

**2015**

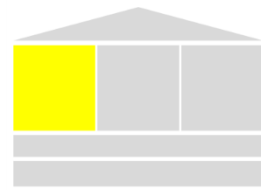
- **House Aviation Subcommittee hearing on status of**
  - **Reforming Aircraft Certification**
- **Senate Subcommittee hearing on**
  - **Certification and U.S. Aviation Manufacturing Competitiveness**



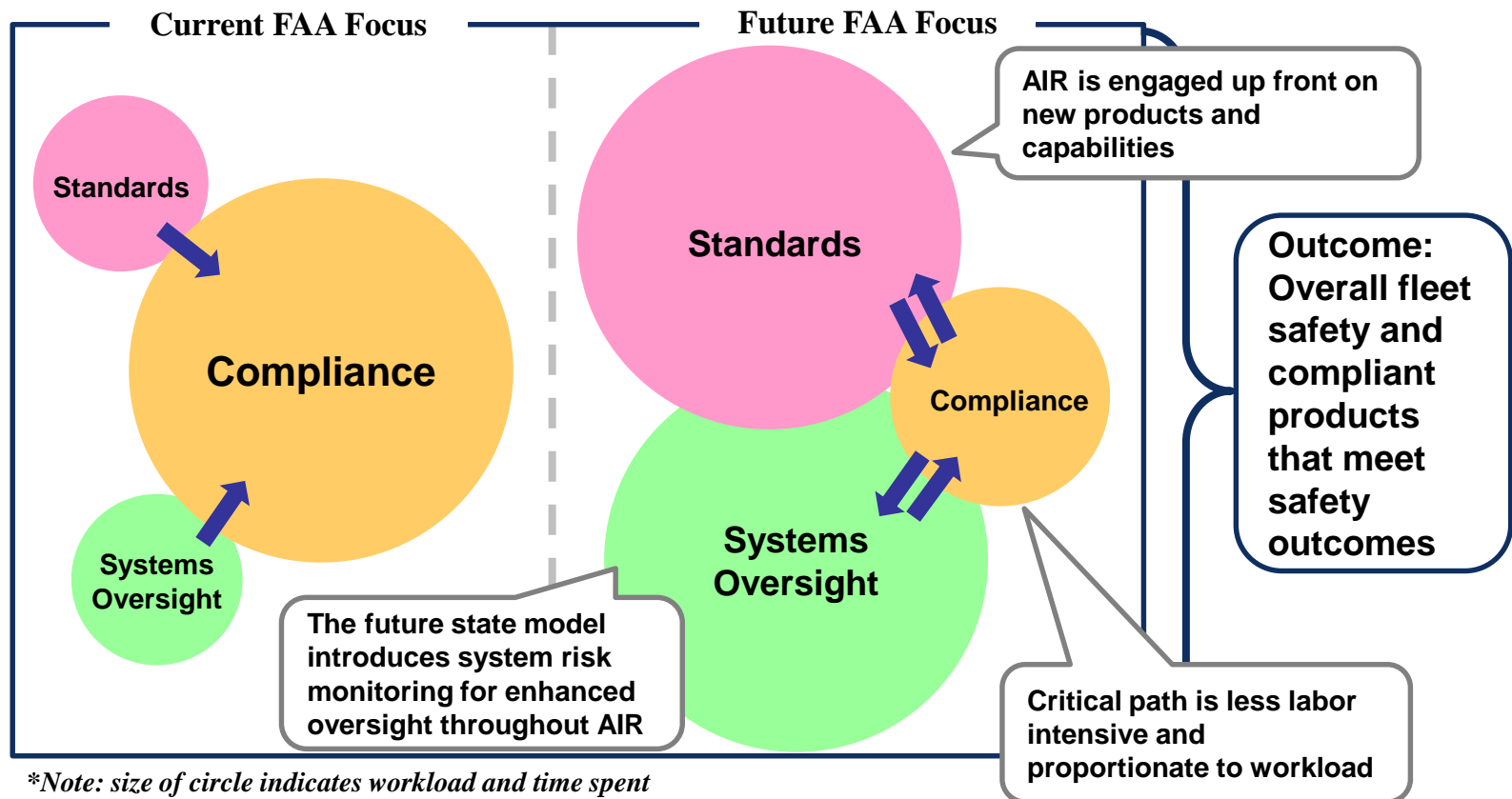
# AIR's Transformation Improves Efficiency and Effectiveness



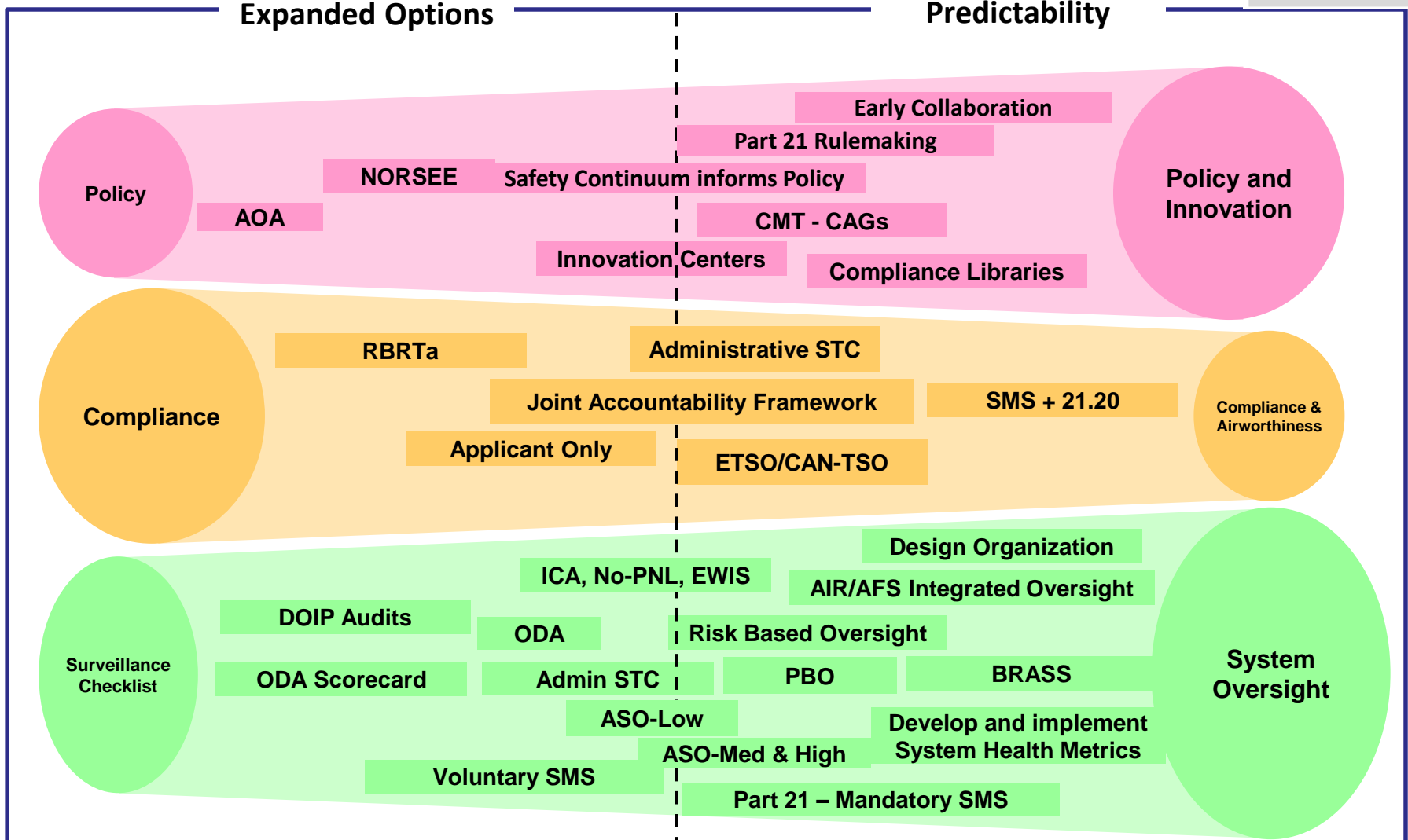
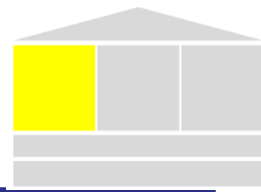
# Refresh Certification Strategy



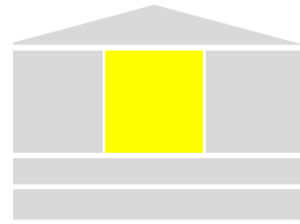
AIR's future state model will streamline compliance activities and promotes early and iterative actions between industry partners and AIR.



# Refresh Certification Strategy



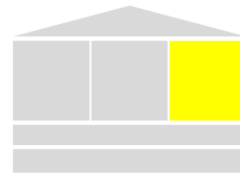
# Invest in Management Systems



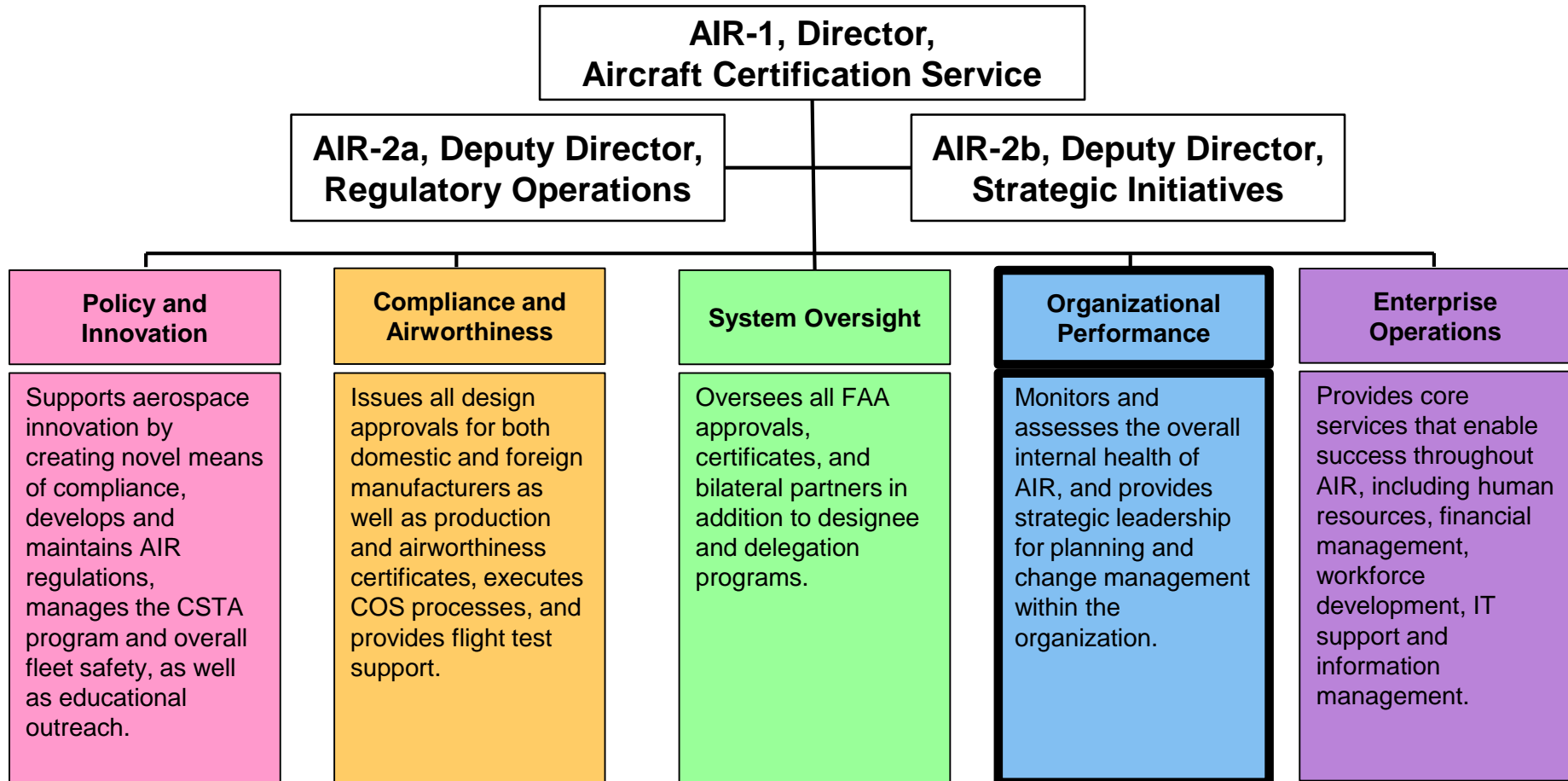
- **Implemented Scorecard Prototype as a tool and process for culture change**
  - Joint standardized measurement tool and data with flexibility to add custom data when needed
  - Promotes partnering, mutual accountability and objective measurements of progress.
- **Establish Organizational Performance Division**
  - Monitors internal health
  - Strategic leadership
  - Change management
- **Establish System Oversight Division**
  - External oversight function



# Improve Our Organization

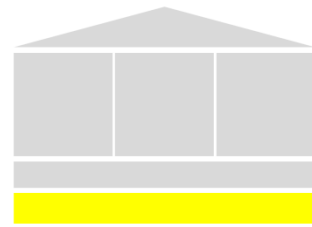


The future state AIR organization is aligned by function (key capabilities of each Division below).





# Industry Commitment

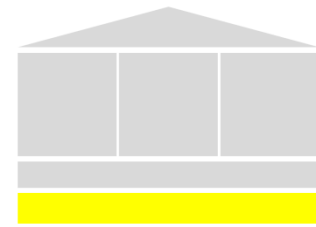


- **Emphasize Applicant Responsibility**
  - Title 14 CFR Part 21.20 requirement
    - Show compliance with all applicable requirements
    - Provide a statement certifying compliance with the applicable requirements
- **Build Compliance Culture**
  - Placing value on Compliance
  - Embraces systems safety and continuous improvement-SMS
- **Engage with FAA early on innovative designs**
- **Work with FAA to develop tools to measure company and FAA performance to improve system health**





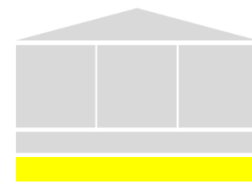
# Industry Commitment



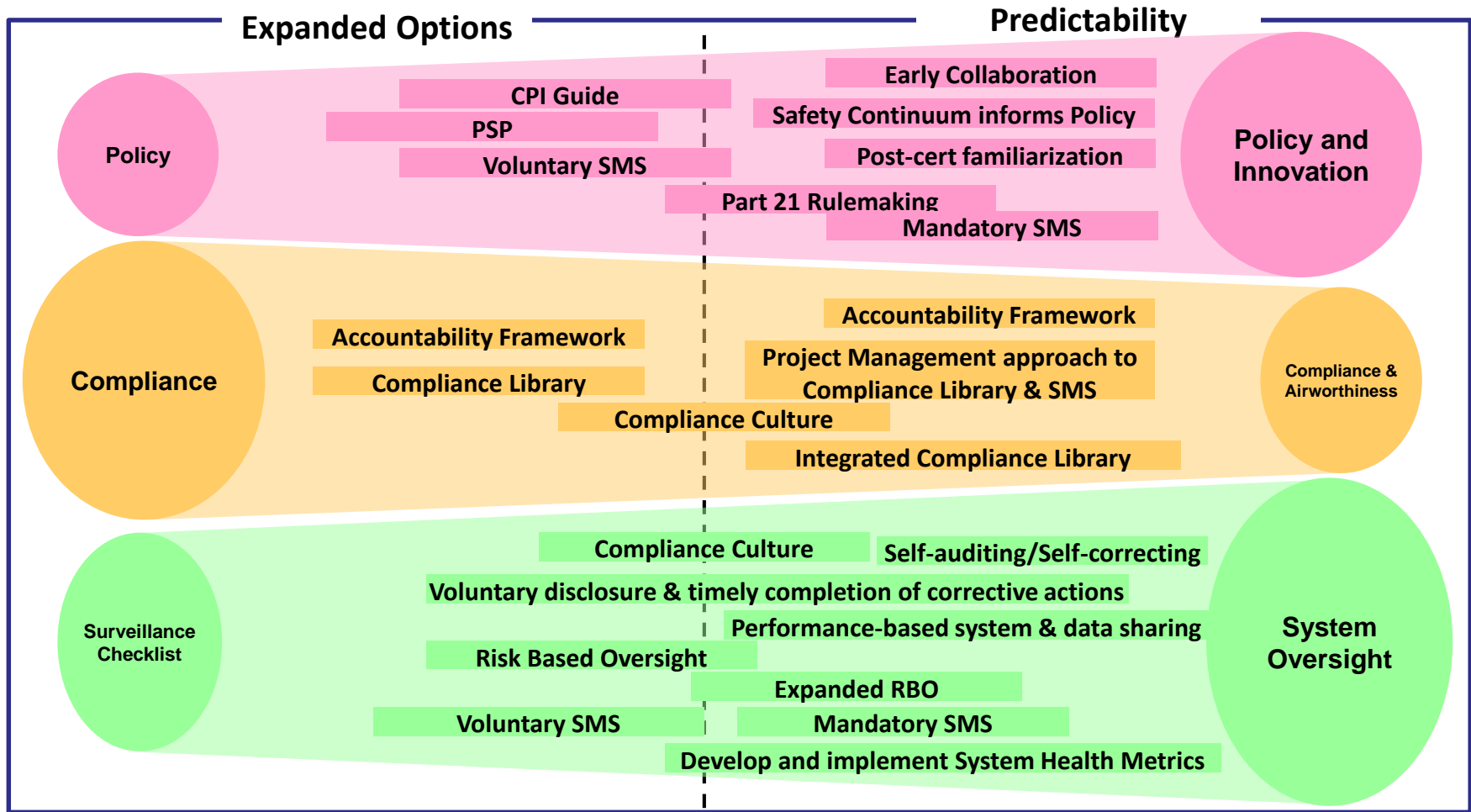
- **Collaborate on joint vision**
- **Collaborate on AIR's Transformation Roadmap**
  - Review and provide feedback on AIR Transformation Roadmap strategic initiatives
  - Identify strategic Initiatives that are not captured for FAA
- **Collaborate on FAA/Industry Joint Roadmap**
  - Identify Industry strategic initiatives necessary for AIR Transformation
- **Collaborate on joint communication strategy**



# Industry Commitment



Industry must also Transform! Which actions might you take?



# Questions?

