

FAA R&D Landscapes

REDAC Feedback & Landscape Plan

Presented to: Research, Engineering and Development Advisory Committee (REDAC)
By: Maureen Molz, Manager, R&D Management Division
Date: November 14, 2018



**Federal Aviation
Administration**



REDAC Feedback to Landscape Effort

- **Aid in strategic planning and prioritization of FAA R&D investments**
- **Help identify duplicative research with industry for elimination**
- **Help identify partnership potential and/or leverage opportunities**
- **Impressed with this effort to structure dialogue for collaboration on strategic direction**
- **Should be regularly updated**
- **Could support education needs of next generation of aviation professionals**



What is a Landscape?

- **A collection/set of research drivers that represent technology trends, aviation industry needs and FAA requirements**



Research Drivers

- **A force or motivation that stimulates R&D investment**
- **Complexities**
 - Level
 - Importance
 - Commonality Across Research Areas

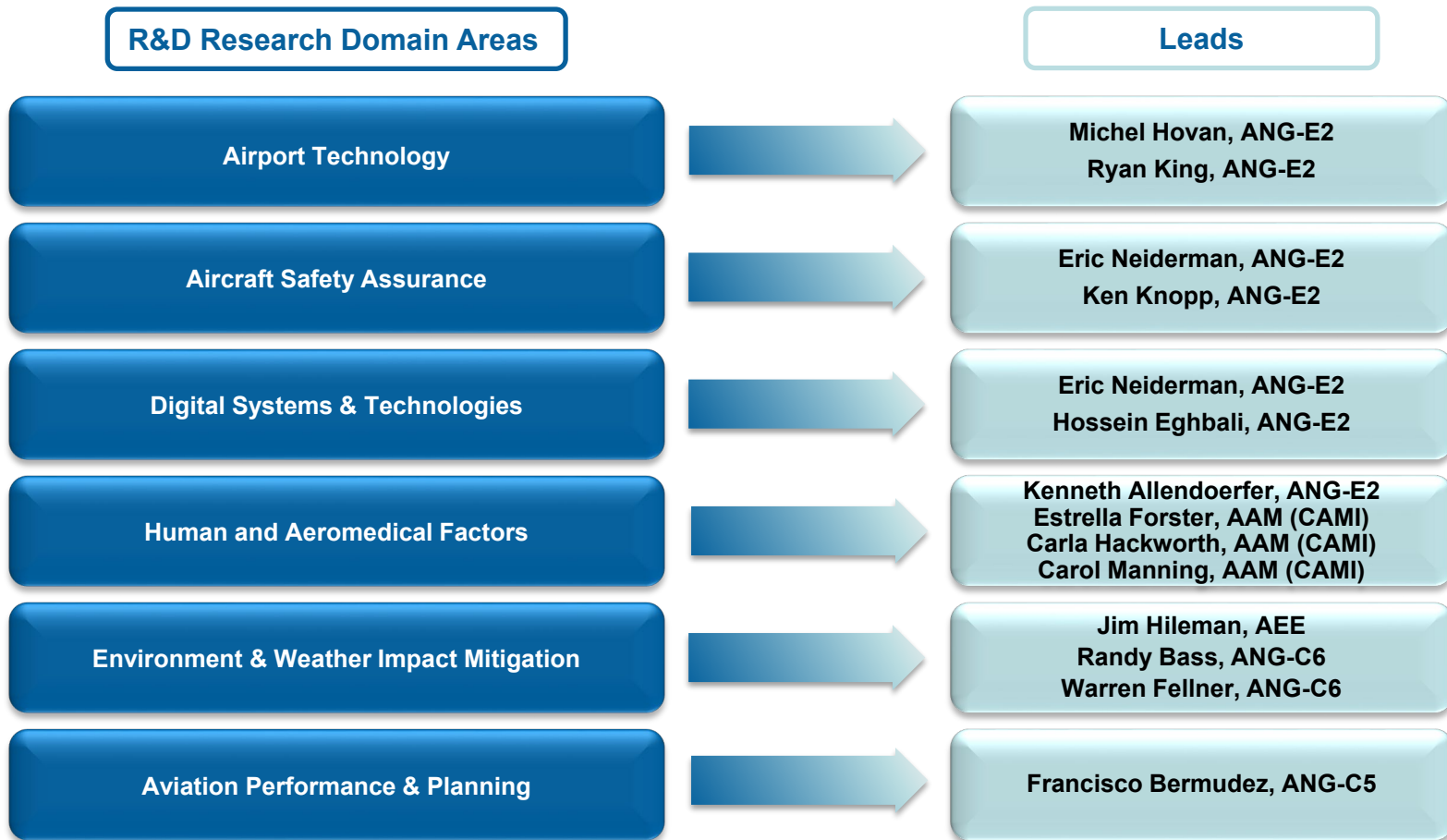


Roles & Responsibilities

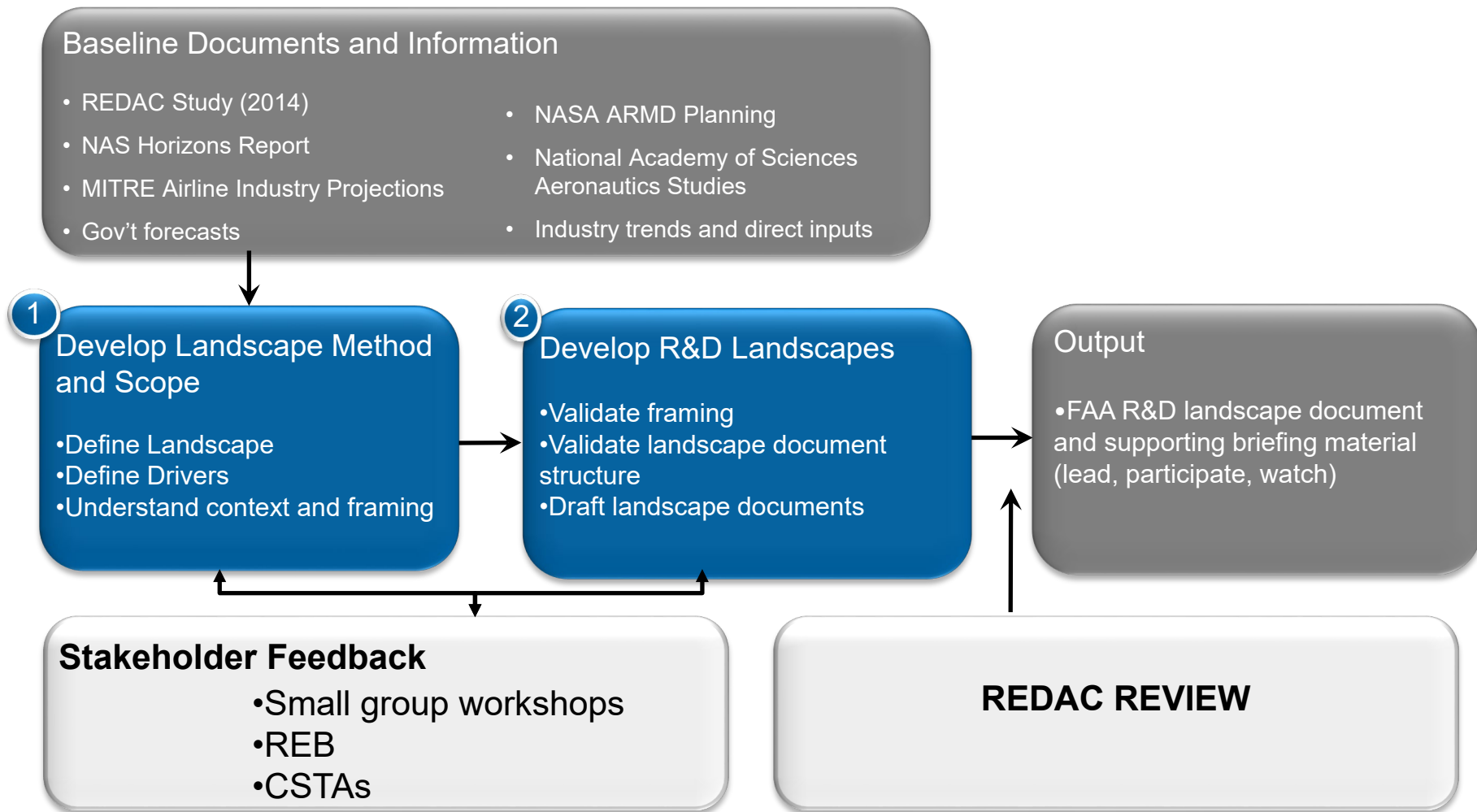
- **ANG-E4**
 - Project Management - Plan, track and oversee landscape effort
- **Research Domain Area Leads**
 - Lead inputs & analysis for each emerging technology application
 - Develop landscapes for the area and coordinate across research areas as needed
- **MITRE**
 - Identify and analyze emerging technology applications
 - Provide context and framing for landscapes
 - Participate in landscape development
 - Document results in a paper and briefing
- **Advisors**
 - Shelley Yak, WJHTC Research Director
 - R&D Executive Board (REB)
- **Stakeholders**
 - Will be identified by research domain area leads
 - Provide feedback to the landscape development
 - REDAC



Research Domain Area Leads



R&D Landscape Approach



Landscape Schedule

