

REDAC Forecast and Assessment Template

Input for the March 1-2, 2022 Subcommittee on Aircraft Safety (SAS) meeting

Instructions for the REDAC Forecast and Assessment input for the March 1-2, 2022 subcommittee meeting:

- Review each of the BLI Plans provided, focusing on the Operational Capabilities in part 2.
- Using the blank templates on the following slides provide the information indicated below for each of the BLI Plans for use during the meeting.
- We request this be returned no later than noon on Monday, February 28, 2022.

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1. <For this BLI, what is the REDAC’s forecast of the top 5 aerospace technology trends / innovations that the FAA will need to address during this decade>	<Given the current research program, is the FAA well prepared or appropriately preparing to be able to certify?>
2.	<1 – Poor 2 – Fair 3 – Good 4 – Very good 5 – Excellent>
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	<1 – Poor 2 – Fair
Timeliness of outputs relative to need	3 – Good
Innovativeness	4 – Very good 5 – Excellent>
Comments and Questions	
1. <List REDAC comments and questions for FAA research sponsors and performers>	
2.	
3.	
4.	
5.	

Fire and Cabin Safety (A11A) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	

Comments and Questions
1.
2.
3.
4.
5.

Propulsion and Fuel Systems (A11B) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Advanced Materials/Structural Safety (A11C) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Aircraft Icing (A11DA) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Software Digital Systems (A11DS) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Continued Airworthiness (A11E) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Flightdeck/Maintenance/System Integration Human Factors (A11G)

REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

System Safety Management/Terminal Area Safety (A11H) REDAC

Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

AeroMedical (A11J) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Unmanned Aircraft Systems Research (A11L) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	

Alternative Fuels for General Aviation (A11M) REDAC Forecast and Assessment

Forecast (Future Outlook)

Aerospace Emerging Technology Trends / Innovations to Watch	FAA Readiness
1.	
2.	
3.	
4.	
5.	

Assessment (Current Outlook)

Criteria	Grade
Relevance of operational capabilities	
Timeliness of outputs relative to need	
Innovativeness	
Comments and Questions	
1.	
2.	
3.	
4.	
5.	