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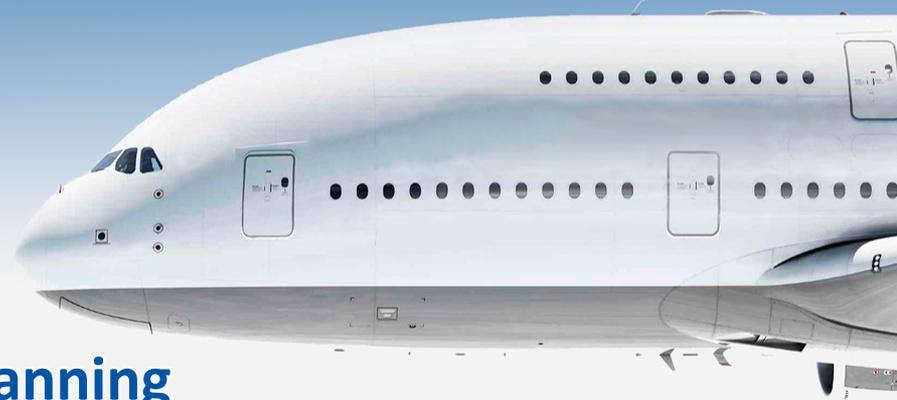
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SESSION 4

Challenges and Priorities in Safety Planning





Overview

- Challenges in safety planning
- Link to GASP goals and targets
- Organizational challenges
- Operational safety risks and HRCs
- Emerging issues
- How these fit into NASP



Challenges & Priorities

- GASP presents safety-related challenges
- and Priorities
 - deemed of concern to international aviation community
- Derived from analysis of safety data
 - collected from proactive and reactive safety-related activities
 - conducted by ICAO





Why Identify Challenges?

- Assist ICAO in defining priorities for global action
 - which then serve as basis for GASP goals and targets
- Key steps in safety planning process
 - identify safety-related challenges
 - prioritize areas that require action





How to Identify Challenges

- Safety data used to identify challenges & define priorities includes
 - accident or incident investigations
 - safety reporting
 - continuing airworthiness reporting
 - operational performance monitoring
 - inspections
 - audits
 - surveys or safety studies
 - reviews





Special Considerations

- State, region or industry conducts data-driven analysis
 - to identify challenges & determine priorities
- Consider strengths, weaknesses, opportunities and threats
- These provide foundation & context for developing plan



Special Considerations (2)

- Several factors affect GASP implementation
- These should be considered in analysis and include
 - political
 - legal
 - economic
 - socio-cultural
 - technological factors





Organizational Challenges

- Organizational challenges are systemic issues
 - impact of organizational culture, and policies and procedures
 - on effectiveness of safety risk controls
- Organizations include entities in State, such as
 - CAA
 - service providers
 - such as air operators, ANSPs and aerodromes





Organizational Challenges (2)

- Organizations should
 - identify hazards in systemic issues
 - mitigate associated risks to manage safety





Team Activity #1

- With your closest neighbors...
- Discuss organizational issues in your State and Region
 - What issues do you face at work?
 - What shortcomings exist today or pointed out in audits?
 - What concerns do you have for the coming years?
- Write up some bullet points
- Time allocated: 10 min



GASP Questionnaire

- Included as part of AN-Conf/13 WP on GASP
- 76 replies received
 - Including 5 International Organizations
- Results pooled and analyzed
- Close-ended questions (Yes/No) transferred directly into database
- Open-ended questions inputted into database
 - then classified based on qualitative analysis



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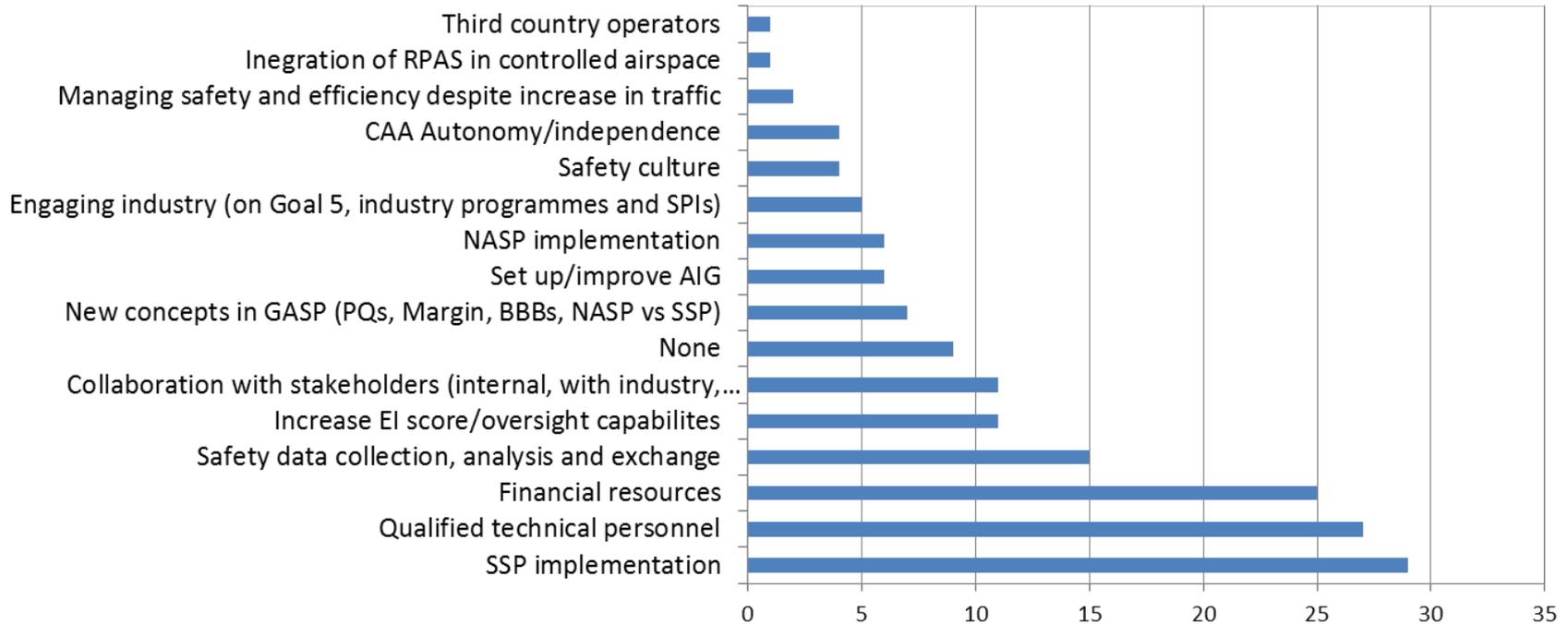
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GASP Questionnaire Organizational Challenges

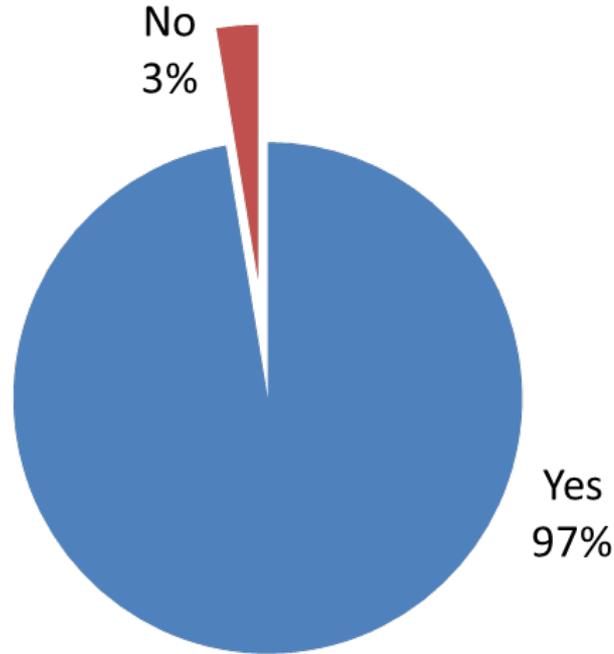


What are main challenges/obstacles to achieve GASP goals & targets ?



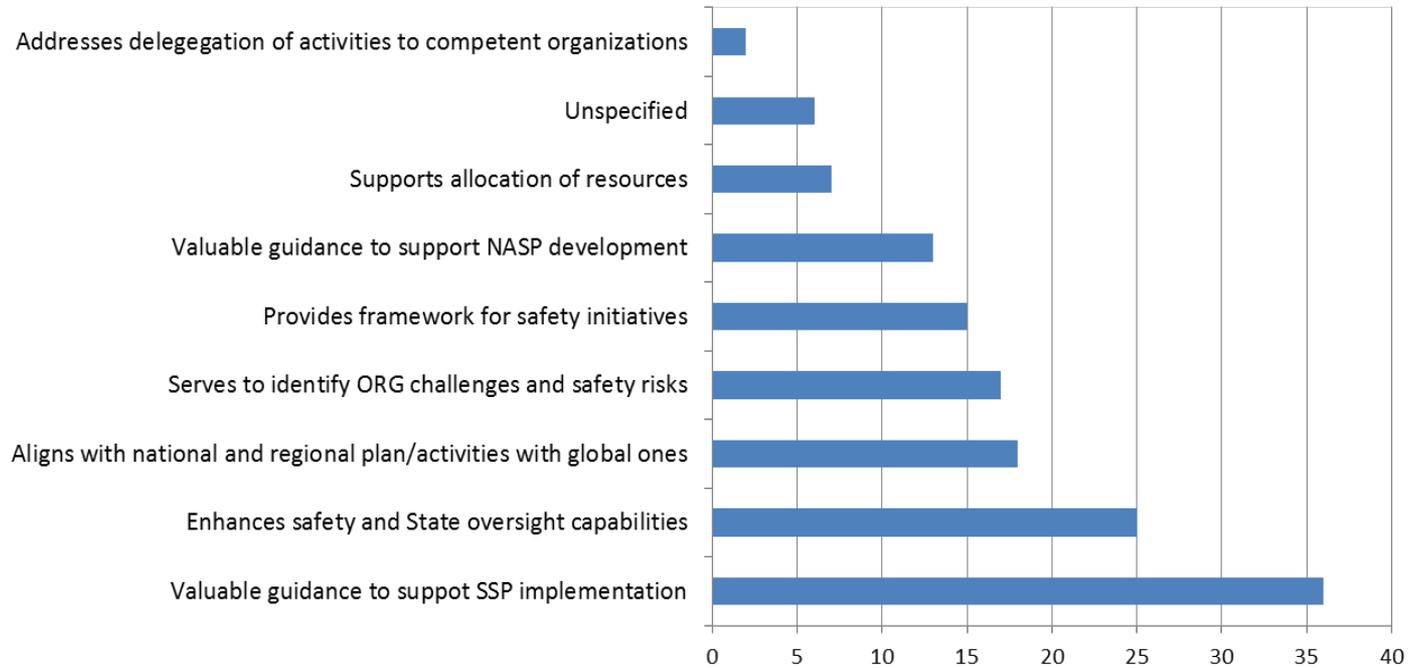


Does proposed draft GASP assist in addressing ORG challenges?





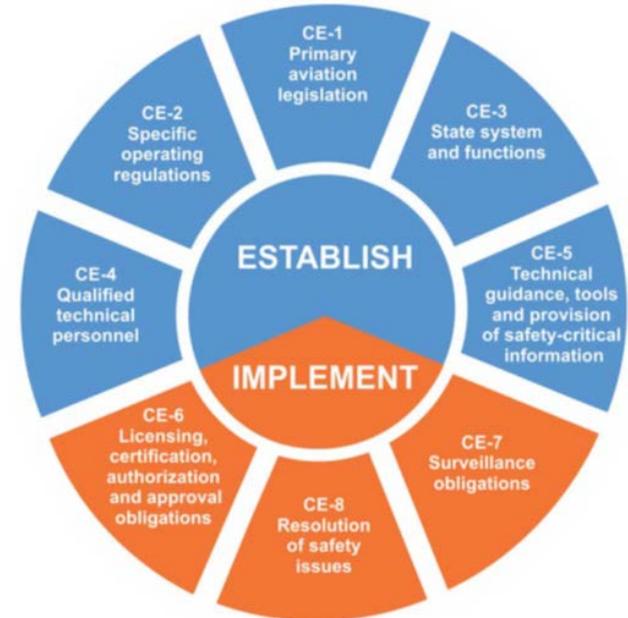
Does the proposed draft GASP assist your State/ORG? Specify





Organizational Challenges in GASP

- Ensuring effective safety oversight
- Ensuring effective safety management
 - as part of SSP





Operational Safety Risks

- Ops safety risks arise during delivery of service or conduct of activity
 - e.g. operation of aircraft, airports, ATC
- To identify expected performance limitations & hazards, take into consideration
 - operational interactions between people and technology
 - operational context in which aviation activities are carried out



Operational Safety Risks (2)

- States, regions and industry should conduct regular risk analyses
- Review and analyse available safety data
 - determine ops safety risks >>> include global HRCs
 - and additional ops safety risks
- Assess ops safety risks & prioritize them according to SRM process
 - measure progress



High Risk Categories of Occurrences

- Previously referred to as “global safety priorities”
- Selection of types of occurrences which are global HRCs is based on
 - actual fatalities
 - high fatality risk per accident
 - or number of accidents and incidents
- Based on results from analysis of safety data
 - collected from proactive and reactive sources of information
 - and from ICAO and other non-governmental organizations
- HRCs need to be addressed to mitigate risk of fatalities





Team Activity #2

- With your closest neighbors...
- Discuss ops safety risks in your State and Region
 - What safety risks are known in your State or Region?
 - Have there been some “near-misses” in recent years?
 - What do you think could cause the next big accident?
- Write up some bullet points
- Time allocated: 10 min



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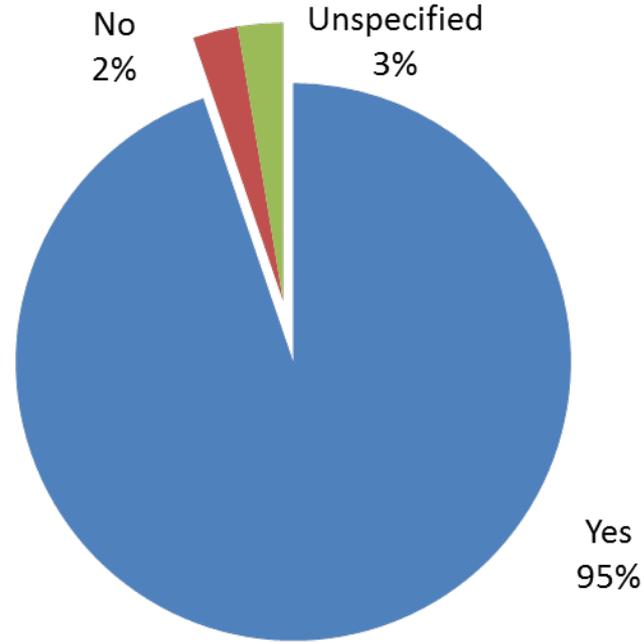
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GASP Questionnaire Operational Safety Risks

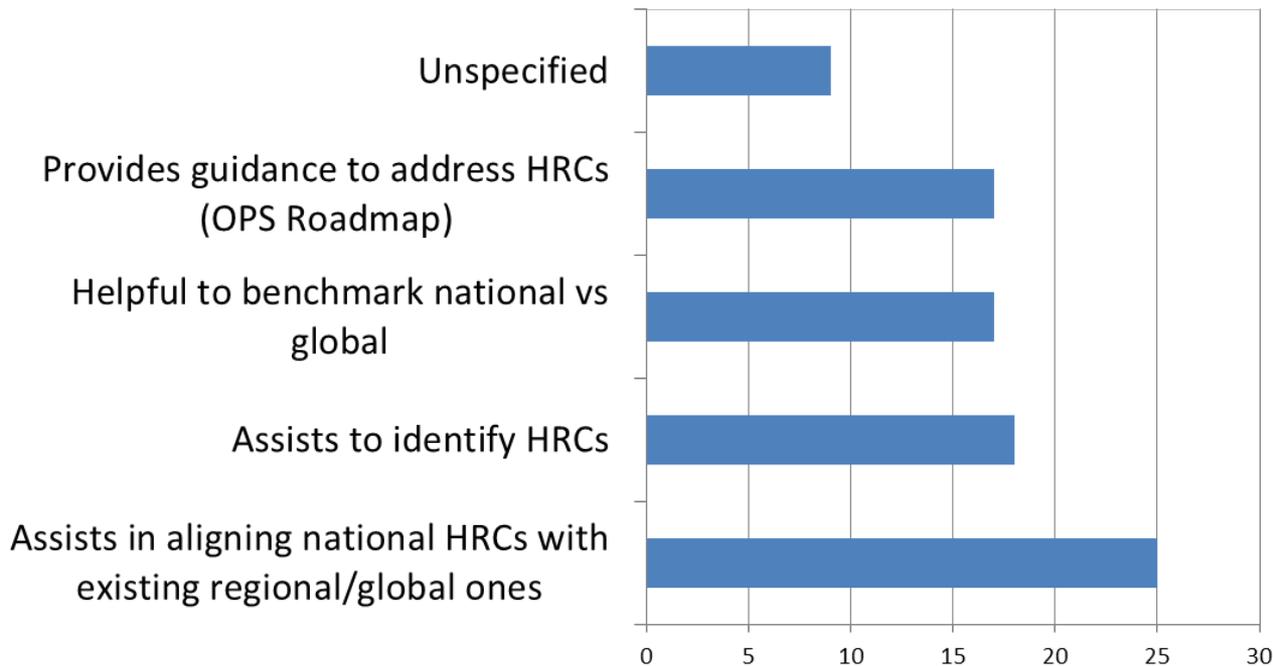


Does proposed draft GASP assist in addressing OPS safety risks?





Does proposed draft GASP assist in addressing OPS risks? Specify





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HRCs for 2020-2022 GASP





National Operational Safety Risks

- Review & analyze safety data to determine ops safety risks
- Seek assistance from, or delegate data collection/analysis, to
 - another State, RSOOs or other competent States or organizations
- Take into account GASP HRCs & regional ops safety risks (RASG)
- Assessment should be data-driven



Additional Categories Ops Safety Risks

- In addition to HRC >> Consider remaining risk categories
 - for which sufficient data exists
- ICAO developed dedicated secure site
 - for RASGs to list additional ops safety risks
- Use CAST/ICAO CICTT recommended
 - for consistency of reporting
- www.icao.int/safety/airnavigation/AIG/Pages/Taxonomy.aspx





Emerging Issues

- Emerging issues include
 - concepts of operations
 - technologies
 - public policies
 - business models
 - ideas
- That might impact safety in future
- For which insufficient data exists
 - to complete typical data driven analysis





Emerging Issues (2)

- Important to remain vigilant on emerging issues
 - identify potential safety risks
 - collect relevant data
 - proactively develop mitigations
- ICAO developed dedicated secure site
 - for RASGs to list emerging issues
- Use CAST/ICAO CICTT recommended





Points to Remember

- Organizational issues and ops safety risks are basis of goals and targets
- Identification of safety-related challenges and prioritization of areas that require action are key steps in safety planning process
- Consider strengths, weaknesses, opportunities and threats
- HRCs must be included in NASP
- Importance of monitoring for emerging issues



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