

IUAI Cyber and Emerging Risks Study Group

2025 Survey Summary

Tom Hughes (International Underwriting Association)

Florian Zierer (Swiss Re)

There were 84 responses to the second International Union of Aerospace Insurers (IUAI) Cyber and Emerging Risks Study Group (CERSG) Survey. These individuals work for international aviation insurers and reinsurers.

The Survey has 3 key objectives in supporting the IUAI:

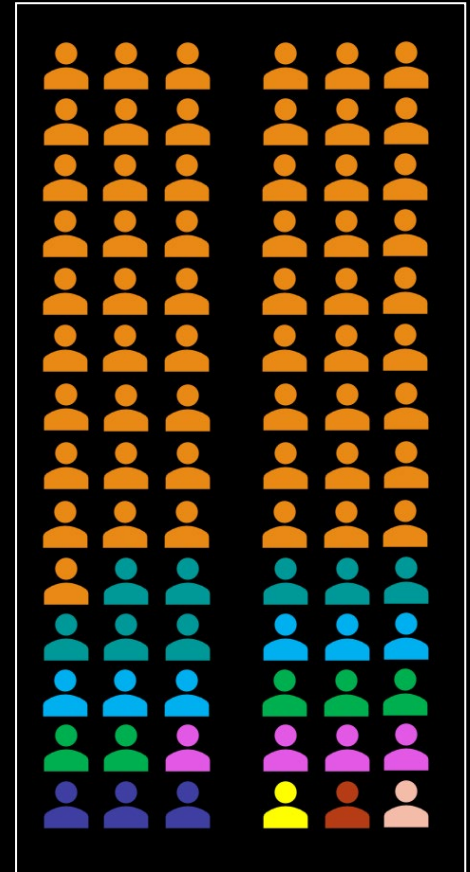
- 1. Build a radar of risks and opportunities which will continue to evolve*
- 2. Gain early sight of new threats facing aviation operators and (re)insurers*
- 3. Gather ideas on cyber and emerging risk topics for future conferences / workstreams*



1 Threats facing the aviation sector

Please rank these threats to the aviation sector over the next 5 years (most to least significant):

No.1 risk selections by respondents:



Top 10 overall respondent ranking (highest to lowest priority)*



*The white bars indicate our 2025 results and the teal bars represent our 2024 results.

'Other' risks identified by respondents:



Geo-political instability / war was rated by respondents as the greatest threat facing the aviation sector over the next 5 years.

Malicious cyber threats, increasing cat events (such as flooding and windstorm), lack of skilled personnel and supply chain / manufacturer issues (introduced for the first time in the 2025 Survey) were selected as key threats facing the sector.

Whilst not included in the Top 10 list on the Survey, litigation trends and nuclear verdicts were highlighted by respondents as a key threat. Multiple respondents also identified airport congestion, turbulence, terrorism and pandemic as threats to monitor.

2 Risks to aviation operators / airports

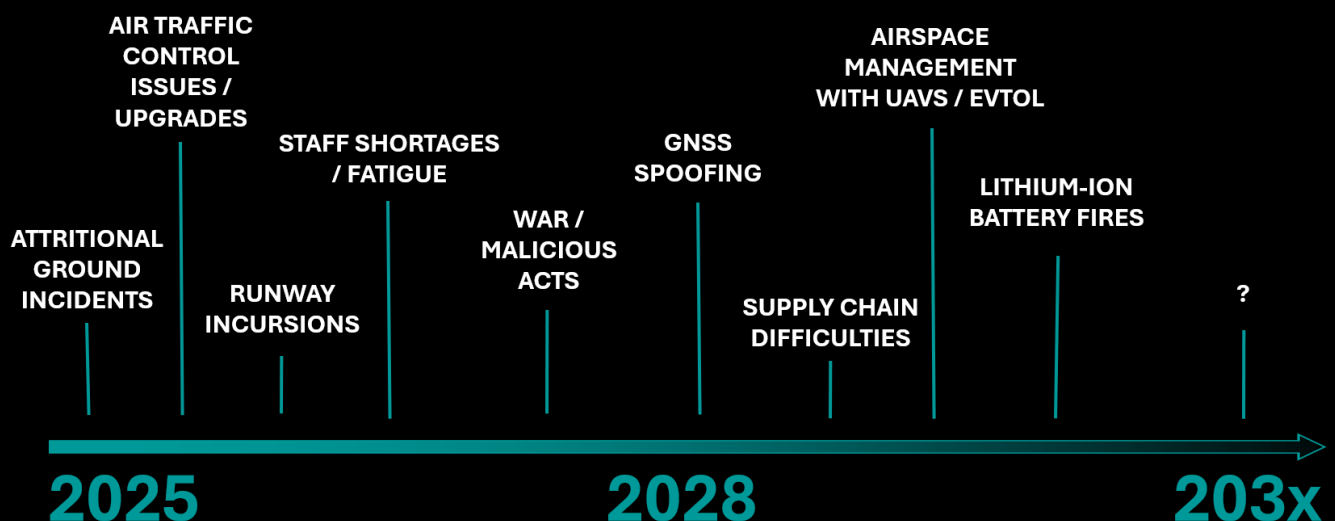
Which of the following risks to aviation operators / airports need to be most urgently addressed in 2025? (Choose 3)

Top 10 overall respondent ranking highest to lowest priority (No. of selections)

1. Attritional ground incidents (39)	↑ 4 places
2. Air Traffic Control issues / upgrades (38)	↓ 1 place
3. Runway incursions (38)	↑ 6 places
4. Staff shortages / fatigue (33)	↑ 2 places
5. War / malicious acts (25)	↓ 3 places
6. GNSS spoofing / interference (22)	↓ 3 places
7. Supply chain difficulties (20)	=
8. Airspace management with UAVs / eVTOL (12)	↓ 3 places
9. Data breach / ransomware (8)	↓ 1 place
10. Pollution risks (e.g. PFAS) (6)	=

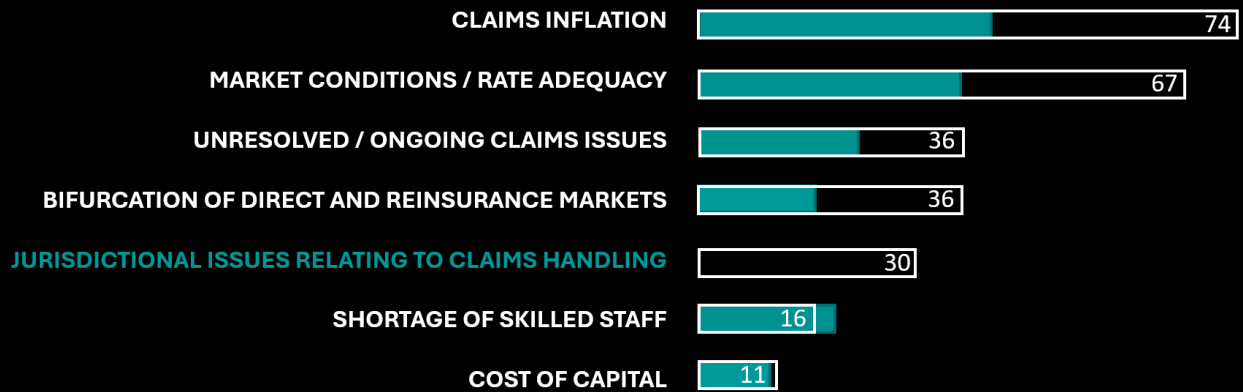
The Survey indicated that runway incursions and attritional ground incidents have increased significantly in their priority since 2024 (see green arrows above). GNSS spoofing / interference, war / malicious acts and airspace management with UAVs / eVTOL have all reduced in their priority since the last Survey (see teal arrows above). Overall, respondents suggest that aviation operators / airports should prioritise attritional ground incidents, ATC upgrades and runway incursions.

Potential timescales based on respondent feedback



3 Challenges for aviation (re)insurers

Please select the greatest challenges facing aviation (re)insurers in 2025 (choose 3)*:

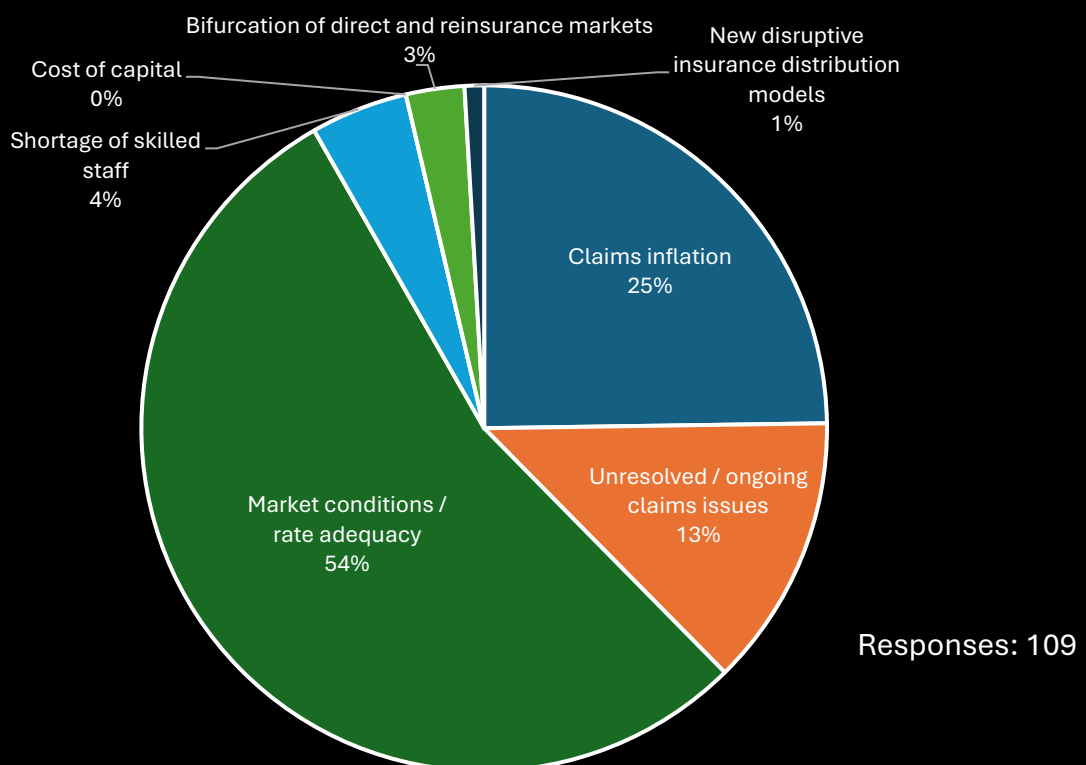


*The white bars indicate our 2025 results and the teal bars represent our 2024 results; note that we received more responses in 2025 so all bars were expected to increase in size.

For the second year running, claims inflation and market conditions / rate adequacy have been highlighted as the two most pertinent challenges facing (re)insurers. Jurisdictional issues relating to claims handling were introduced for the first time in 2025 and received a strong ranking.

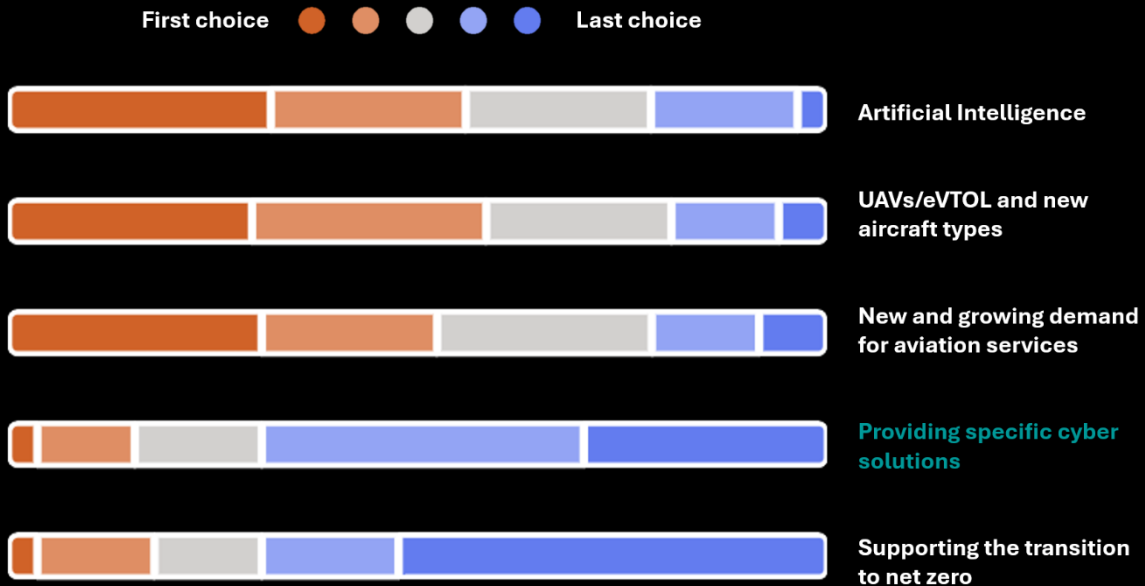
Live responses at the 2025 IUAJ Members' Conference

Select the greatest challenge facing aviation (re)insurers in 2025:



4 Opportunities for aviation (re)insurers

Please rank these opportunities for aviation (re)insurers over the next 5 years:



Respondents again identified 1) Artificial Intelligence (AI), 2) UAVs / eVTOL and new aircraft types and 3) New and growing demand for aviation services as the three greatest opportunities for (re)insurers over the next 5 years. Supporting the transition to net zero and providing specific cyber solutions (introduced for the first time in 2025) were seen as less significant opportunities.

Live responses at the 2025 IUA Members' Conference

Please rank the most significant risks that will arise in respect of eVTOL / Unmanned Aircraft use (highest to lowest)?

1. Failures in autonomy
2. Lithium battery fires
3. Malicious cyber attack
4. Public perception
5. Ground incidents
6. Hydrogen storage and refuelling

Responses: 108

Please submit any questions or suggestions:

tom.hughes@iua.co.uk

florian_zierer@swissre.com

