

Likelihood of Occurrence

| Qualitative Definition | Meaning | Value |
|------------------------|-----------------------------------------------------------------------|-------|
| Frequent | Likely to occur many times (at least once per month) | 1 |
| Probable | Likely to occur some times (more than once per year) | 2 |
| Remote | Unlikely, but possible to occur (once per year) | 3 |
| Extremely Remote | Very unlikely to occur (once every five years) | 4 |
| Extremely Improbable | Almost inconceivable that the event will occur (once every ten years) | 5 |

| Criteria | Severity Classification | | | | |
|-------------------------------|-------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------|
| | No Safety Effect A | Minor B | Major C | Hazardous D | Catastrophic E |
| Effect on aircraft operations | No effect on safety | Slight reduction in safety margin or functional capabilities | Significant reduction in safety margin or functional capability | Large reduction in safety margin or functional capabilities | Hull loss |
| Effect on people | Inconvenience | Physical discomfort | Physical distress possibly including injuries | Serious or fatal injury to small number of people | At least one fatality |
| Loss of confidence in airport | Slight to moderate impact on airport reputation | Moderate impact to reputation at community level | Significant impact to reputation at regional level | Significant impact to reputation at state level | Severe impact to reputation at national level |
| Environmental Impact | Non-Reportable | Reportable without fine | Physical damage and fine | Considerable damage to people/facilities /equipment Significant fine and cost | Loss of people, facilities or equipment Highest fine and cost |
| Financial loss | Slight damage is less than \$5,000 | Noticeable damage between \$5,000 and \$25,000 | Large damage between \$25,000 and \$100,000 | Major damage between \$100,000 and \$1,000,000 | Severe damage exceeds \$1,000,000 |

Risk Matrix

| | | Severity | | | | | |
|------------|---------------------------|-----------------------|------------|------------|----------------|-------------------|------|
| | | No Safety Effect A | Minor B | Major C | Hazardous D | Catastrophic E | |
| Likelihood | Frequent 1 | Low | Medium | High | High | High | |
| | Probable 2 | Low | Medium | High | High | High | |
| | Remote 3 | Low | Low | Medium | High | High | |
| | Extremely Remote 4 | Low | Low | Low | Medium | High | |
| | Extremely Improbable 5 | Low | Low | Low | Low | Medium | High |

Risk Assessment Criteria

High Risk – Requires Risk Control/Management Decision

Medium Risk – Requires Operational Review Before Activity is Performed

Low Risk – Proceed with Operation/Activity