

FLIGHT RISK ASSESSMENT TOOL WORKSHEET (TWO-SIDED)

Three step process: IDENTIFY, ASSESS, MITIGATE.
Conduct before departure and in flight.

STEP 1: IDENTIFY THE RISKS *(Complete second column below)*

| RISK CATEGORY | HAZARD AND RISK | Likelihood (probability) (see reverse) | Severity (consequences) (see reverse) | Overall Risk Level (color) | MITIGATION/NEW RISK RED – MUST mitigate. YELLOW – SHOULD mitigate. GREEN – ACCEPT no unnecessary risk. |
|--|-----------------|--|---|----------------------------------|---|
| PILOT | | | | | |
| Qualification/ currency/proficiency | | | | | |
| Aeromedical/ human factors | | | | | |
| AIRCRAFT | | | | | |
| Fuel/range/payload | | | | | |
| Equipage (incl. inoperative equipment) | | | | | |
| Performance | | | | | |
| ENVIRONMENT | | | | | |
| Weather | | | | | |
| Airspace/ATC/ Airports | | | | | |
| Terrain/Day vs. night | | | | | |
| EXTERNAL PRESSURES | | | | | |
| Work-related | | | | | |
| Personal | | | | | |

Other Data:

STEP 2: ASSESS THE RISKS *(Complete third, fourth and fifth columns on front worksheet using the descriptors in the matrix below)*

| Risk Assessment Matrix | | | | |
|------------------------|--------------|----------|----------|------------|
| Likelihood | Severity | | | |
| | Catastrophic | Critical | Marginal | Negligible |
| Probable | High | High | Serious | Medium |
| Occasional | High | Serious | Medium | Low |
| Remote | Serious | Medium | Medium | Low |
| Improbable | Medium | Medium | Medium | Low |

Risk Likelihood Descriptors

Probable: an event will occur several times.

Occasional: an event will probably occur sometime.

Remote: an event is unlikely to occur, but is possible.

Improbable: an event is highly unlikely to occur.

Risk Severity Descriptors

Catastrophic: results in fatalities and/or total loss.

Critical: results in severe injury and/or major damage.

Marginal: results in minor injury and/or minor damage.

Negligible: results in less than minor injury and/or minor damage.

STEP 3: MITIGATE THE RISKS *(Complete sixth column on worksheet. Specify new overall risk level after mitigation.)*

1. Risk mitigation strategy: Take actions to reduce likelihood and/or severity to lower levels for each identified risk in accordance with step two. Use this worksheet until risk management process becomes intuitive, or conditions remain complex.
2. Mitigation guidelines for assessed risk:

RED (HIGH): Risk likelihood and/or severity **MUST** be reduced to lower levels before departure. If in flight, risk likelihood and/or severity **MUST** be reduced by taking appropriate divert or other actions.

YELLOW (SERIOUS): Risk likelihood and/or severity **SHOULD** be reduced to lower levels before departure. If in flight, risk likelihood and/or severity **SHOULD** be reduced by taking appropriate divert or other actions.

GREEN (MEDIUM): Flight can depart or continue, but risk severity and/or likelihood **SHOULD** be reduced whenever possible.

WHITE (LOW): Risks can usually be addressed by following checklists and complying with normal procedures.