

## Risk Assessments

Use the Severity and Probability scale below to assess the severity or the potential for severity of this event with each factor and root cause. You can think of it in purely financial terms or in purely human terms or both. **However, ensure you document your assessment perspective.**

- Total the Columns. This will become your RISK RATING for the event. See below for risk analysis outcomes.

| Severity | Descriptor    | Parameters   |
|----------|---------------|--|
| 1        | Insignificant | No injuries, no damage to equipment, low financial loss. (under \$100.00)  |
| 2        | Minor         | Site or personnel immediately contained and removed from further risk; first-aid treatment required, medium financial loss (under\$2000.00)                  |
| 3        | Moderate      | Medical treatment required, on-site injuries or damage contained with outside Emergency Response assistance, high financial loss (under\$10,000.00)          |
| 4        | Major         | Extensive injuries, loss of production capability, off-site with no detrimental effects, major financial loss (under\$50,000.00)                             |
| 5        | Catastrophic  | Death, unable to contain loss of life factors, unable to contain structural damage. (Aircraft Hull or other structural building loss) (under \$1,000,000.00) |

| Probability | Descriptor | Parameters  |
|-------------|------------|---|
| 5           | Certain    | Is expected to occur in most circumstances involving similar conditions   |
| 4           | Likely     | Will probably occur at some time/ has occurred at some time in the past   |
| 3           | Possible   | Might occur at some time if conditions continue to exist as they were in this case                                  |
| 2           | Unlikely   | Could occur at some time but it is unknown whether the current conditions are significant enough to cause a hazard. |
| 1           | Rare       | May occur in exceptional circumstances that cannot be determined from current structures of risk analysis.          |

**Glossary:**

- On-site refers to ground based occurrences on base of operation.
- Off-site refers to air-based occurrences or away from base occurrences
- Low Financial Loss-Productivity or operational services reduced
- Medium Financial Loss- Productivity or operational services interrupted for part of shift
- High Financial Loss-Productivity or operational services interrupted for a week.
- Major Financial Loss-Employee loss or aircraft unserviceable for several months
- Huge Financial Loss-Death; Hull Loss; Operational services suspended indefinitely.

|  |                       | Severity            |              |                 |              |                      |
|--|-----------------------|---------------------|--------------|-----------------|--------------|----------------------|
|  |                       | <i>Catastrophic</i> | <i>Major</i> | <i>Moderate</i> | <i>Minor</i> | <i>Insignificant</i> |
| <i>P<br/>r<br/>o<br/>b<br/>a<br/>b<br/>l<br/>i<br/>t<br/>y</i> | <i>Almost Certain</i> | 25                  | 20           | 15              | 10           | 5                    |
|  | <i>Likely</i>         | 20                  | 16           | 12              | 8            | 4                    |
|  | <i>Possible</i>       | 15                  | 12           | 9               | 6            | 3                    |
|  | <i>Unlikely</i>       | 10                  | 8            | 6               | 4            | 2                    |
|  | <i>Rare</i>           | 5                   | 4            | 3               | 2            | 1                    |