Hazard Log Template

**Example Hazard Log:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Identified Hazard** | **Associated Risk****(consequence)** | **Existing Mitigation Measures in Place** | **Current Level of Risk** | **Further Mitigation Measures** | **Revised Level of Risk** | **Action By and when** |
|  |  |  | Severity Likelihood *Tolerability* |  | Severity Likelihood *Tolerability* |  |

**Example Severity Table:**

|  |
| --- |
| **SEVERITY OF CONSEQUENCES** |
| **Aviation definition** | **Meaning** | **Value** |
| Catastrophic | Results in an accident, death or equipment destroyed | 5 |
| Hazardous | Serious injury or major equipment damage | 4 |
| Major | Serious incident or injury  | 3 |
| Minor | Results in a minor incident | 2 |
| Negligible | Nuisance of little consequence | 1 |

**Example Likelihood Table:**

|  |
| --- |
| **LIKELIHOOD OF OCCURRENCE** |
| **Qualitative definition** | **Meaning** | **Value** |
| Frequent | Likely to occur many times (has occurred frequently) | 5 |
| Occasional | Likely to occur sometimes (has occurred infrequently) | 4 |
| Remote | Unlikely to occur but possible (has occurred rarely) | 3 |
| Improbable | Very unlikely to occur (not known to have occurred) | 2 |
| Extremely improbable | Almost inconceivable that the event will occur | 1 |

Note: The definitions used above are an example only. You may find it more useful to define quantitative definitions, such as, number of events in a given time period or events per number of flights depending on your type of operation.

**Example Risk Tolerability Table:**

|  |  |
| --- | --- |
| RiskLikelihood | Risk Severity |
| Catastrophic5 | Hazardous 4 | Major3 | Minor2 | Negligible1 |
| Frequent5  | Unacceptable | Unacceptable | Unacceptable | Review | Review |
| Occasional 4 | Unacceptable | Unacceptable | Review | Review | Review |
| Remote3 | Unacceptable | Review | Review | Review | Acceptable |
| Improbable2 | Review | Review | Review | Acceptable | Acceptable |
| Extremely improbable1 | Review | Acceptable | Acceptable | Acceptable | Acceptable |

UNACCEPTABLE: The risk is unacceptable and major mitigation measures are required to reduce the level of risk to as low as reasonably practicable.

REVIEW: The level of risk is of concern and mitigation measures are required to reduce the level of risk to as low as reasonably practicable. Where further risk reduction/mitigation is not practical or viable, the risk may be accepted, provided that the risk is understood and has the endorsement of the Accountable Manager.

ACCEPTABLE: Risk is considered acceptable but should be reviewed if it reoccurs or changes that affect the risk are made.