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| **Failure Recording Log (FRL) Template** |

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| **NOTE: The FRL is to be used to record *all* failures, faults, malfunctions, mistakes or omissions, and is applicable to the UAS, the organisation, processes and procedures, the Scope of Operations – essentially all 5 Building Blocks of the UAS Operation.** |

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| **EXAMPLE** | | | | | | **EXAMPLE** | | | | | **EXAMPLE** | | | | | |
| **FRL Example** | | | | | | | | | | | | | | | | |
| 21-09-2018 | 14:15 | | | | Name here | Game Counting | In-Flight | | | | Process | Crash | High | | | |
| P4 Pro | ABC123XYZ | | | | Transit | Manual | VLOS | | | | Clear, calm | Pilot name here | Tech name here | | | |
| During the transit phase from the take-off point to the task location, the UAV collided with a previously unnoticed obstacle (power line), leading to damage to the UAV and loss of control. The UAV subsequently crashed. | | | | | | | | | | | | | | | | |
| Sensitize aircrews to check for power lines and other difficult to see obstacles during task planning and site assessment phases. Update task planning and site assessment checklists to include such checks. | | | | | | | | | | | | | | | | |
| Resolved? | Y |  | N |  | 25-09-2018 | Sensitized? | Y |  | N |  | 26-09-2018 | Docs Updated? | Y |  | N |  |
| Ops Man name here | Ops Man signature | | | | UAV Pilot name here | Pilot signature | N/A | | | | n/a | N/A | n/a | | | |
| **EXAMPLE** | | | | | | **EXAMPLE** | | | | | **EXAMPLE** | | | | | |

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| **Failure Recording Log** |

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| Failure Date | Failure Time | | | | Recorded By | Task Type | Task Phase: | | | | Failure Type: | UAV End State | Risk Level: | | | |
| UAS Model | UAS Serial No. | | | | Flight Phase: | Flight Mode: | LOS: | | | | MET Conditions | UAV Pilot | UAV Tech | | | |
| Failure Explanation | | | | | | | | | | | | | | | | |
| Proposed Resolution | | | | | | | | | | | | | | | | |
| Resolved? | Y |  | N |  | Resolved on: | Sensitized? | Y |  | N |  | Sensitized on: | Docs Updated? | Y |  | N |  |
| UAS Ops Man | sign | | | | UAV Pilot | sign | UAS Tech | | | | sign | Other | sign | | | |

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| *NOTES:*   * *Failure Date: the date the failure occurred or was observed* * *Failure Time: the approximate time the failure occurred or was observed* * *Recorded By: usually the person most directly involved with the failure* * *Task Type: the type of task being flown (if it was flight-related) – from your Scope of Operations* * *Task Phase: during which phase of flight the failure occurred (if it was flight-related)* * *Failure Type: indicate if it was a technical failure, an organisational omission, a procedural fault/omission, a personnel-related problem, a task or mission related oversight or something else* * *UAV End State: what the end state of the UAV was following the failure (if it was flight related)* * *Risk Level: an estimate of the resultant Risk Level* * *UAS Model and Serial no: appropriate data, particularly if the failure was UAS-related* * *Flight Phase: during which phase (part) of the flight the failure occurred (if it was flight related)* * *Flight Mode: the flight mode of the UAS at the time of the failure (if it was flight related)* * *LOS: the Line of Sight condition at the time of failure (if it was flight related)* * *MET Conditions: a summary of the weather conditions at the time of failure (particularly if it was flight related)* * *UAV Pilot and Tech: the names of the UAV pilot and technical involved with the flight/task at the time of failure* * *Failure Explanation: a brief explanation of what went wrong and what the end results were* * *Proposed Resolution: the proposed “fix” to ensure the failure condition does not reappear* * *Resolved? : the date the “fix” was implemented and the problem was resolved* * *Sensitized? : the date all personnel were sensitized or trained regarding the solution* * *Docs Updated? : a check to ensure that all affected documentation has been updated with the solution* * *Names and signatures: of the UAS Operations manager, UAV Pilot and UAS Technician, plus anyone else pertinent to the resolution of the problem* * *Add additional “blank logging fields” as required by copying and pasting the blank template above into the appropriate position* |