

Unit:

Activity / Exercise: MODEL ROCKET FLYING

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| Risk Assessment Number: | GENERIC RA: YES |
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| <p>Relevant Publications / Pamphlets / Procedures:</p> <p style="text-align: center;">UKRA SAFETY CODE Ver. 4.2.1</p> | <p>Assessor: _____</p> <p>Date of Assessment: ___/___/___</p> <p style="text-align: center;">Review Date: ___ / ___ / ___</p> | <p>Related RA's (eg Manual Handling)</p> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> |
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The following steps relate to the Risk Assessment Process.

| Ser | Activity <i>(step 1)</i> | Hazards Identified <i>(step 2)</i> | Existing Controls <i>(step 3)</i> | Residual Risk acceptable YES or NO <i>(step 4)</i> | Additional Controls <i>(step 5)</i> | Residual Risk Acceptable YES or NO <i>(step 6)</i> |
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| (a) | (b) | (c) | (d) | (e) | (f) | (g) |
| 1 | STORAGE AND TRANSPORTATION OF BLACK POWDER MOTORS | EXPLOSION | A. MOTORS TO BE STORED IN SECURE WOOD LINED CONTAINERS MARKED "EXPLOSIVE" B. ONLY SMALL AMOUNTS TO BE STORED IN SECURE CONTAINERS ON SQN PREMISES. C. ONLY SUFFICIENT MOTORS TO BE CARRIED FOR NUMBER OF FLIGHTS PLANNED D. CC STRICT CONTROL OVER ISSUES AND RECIEPTS BY COMPETENT STAFF | | | |
| 2 | ERRATIC FLIGHT | CONTACT WITH ROCKET | A. SUPERVISION BY UKRA APPROVED RANGE SAFETY OFFICER (RSO) B. PERSONNEL TRAINED AND BRIEFED PRIOR TO LAUNCHING C. APPROVED LAUNCH PADS TO BE | | | |

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| 3 | IGNITION OF MOTOR | BURNS, EXPLOSION | <p>USED</p> <p>D. PRE L;AUNCH CHECKS BY RSO</p> <p>E. ROCKET TO BE SECURELY PLACED ON LAUNCH PAD BY MEANS OF GUIDE RAIL</p> <p>F. IGNITION AND LAUNCH CONTROL TO BE AT LEAST 10 METERS FROM LAUNCH PAD</p> <p>G. PERSONNEL NOT TO STAND OVER LAUNCH PAD</p> <p>H. QUALIFIED FIRST AIDER ON SITE</p> <p>I. SAFETY DISTANCES TO BE OBSERVED</p> <p>A. ONLY APPROVED MOTORS TO BE USED</p> <p>B. ISOLATION OF IGNITOR FROM POWER SOURCE USING FAIL SAFE KEY</p> <p>C. KEY NOT TO BE LEFT IN POWER SOURCE</p> <p>D. RSO TO CONTROL SAFETY KEY DURING EACH LAUNCH</p> | | | |
| 4 | IGNITION FAILURE | BURNS | <p>A. NO-ONE TO APPROACH LAUNCH PAD FOR AT LEAST ONE MINUTE</p> <p>B. ONLY RSO AND ROCKET OWNER TO INVESTIGATE ROCKET</p> | | | |
| 5 | FIRE FROM IGNITION DEBRIS | BURNS | <p>A. LAUNCH PAD TO INCLUDE BLAST PLATE</p> <p>B. LAUNCH PAD NOT TO BE POSITIONED NEAR FLAMMABLE MATERIALS (E.G. LONG DRY GRASS)</p> <p>C. WATER BUCKET ON SITE WITH ACCESS TO REFILL</p> <p>D. COMMUNICATIONS MEDIA TO CONTACT EMERGENCY SERVICES</p> | | | |
| 6 | DESCENDING ROCKETS | IMPACT | <p>A. DESIGNATED SAFETY OBSERVER</p> <p>B. ALL PERSONNEL TO WATCH AND OBSERVE ROCKET LAUNCH AND DESCENT, AS INSTRUCTED BY RSO</p> | | | |

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| <p>7</p> | <p>AIRCRAFT ENTERING LAUNCH AREA</p> | <p>LANDING IN TREE LANDING ON BUILDING ROOF CONTACT WITH AIRCRAFT</p> | <p>PERSONNEL ARE NOT TO CLIMB TREES TO RETRIEVE ROCKETS PERSONNEL ARE NOT TO CLIMB ONTO BUILDINGS TO RETRIEVE ROCKETS A. N9MINATED AIR SENTRIES TO BE USED AS APPROPRIATE B. NOTAM ISSUED AT LEAST 28 DAYS IN ADVANCE AS REQUIRED BY CAA REGULATIONS C. NO LAUNCH TO TAKE PLACE UNTIL ALL AIRCRAFT ARE CLEAR OF LAUNCH AREA</p> | | | |
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Details of person responsible for carrying out this Risk Assessment / Review

| CONTROLS | NAME (print) | POST | DATE | SIGNATURE |
|--|---------------------|-------------|-------------|------------------|
| Existing & Additional Controls Agreed Teachers name | | | | |
| Additional Controls Implemented Health & Safety Co-ordinator | | | | |