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| **United Kingdom Rocketry Association** |  |

**Team Project Support v3.****2**

***Full Project Details***

***(including Data Capture)***

Produced by UKRA Safety & Technical.

July 2018

# Team Project Support – Full Project Details

**Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lead Member’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lead Member Phone & Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

In order to obtain final authorization form S&T for your team project flight you must provide details of the latest versions of the following items.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item:** |  |  |  |  |  |  | **Check** |
| Drawings of the rocket showing airframe components, fins, bulkheads, associated internal structures, adhesive joints, recovery system components, payloads, etc. |   |
| A parts listing that includes material descriptions, adhesive types, screw sizes gauges, material thicknesses, etc. |   |
| A detailed motor assembly diagram, showing the structure and placement of all associated systems, retainers and locators. |   |
| Schematics of recovery system electronics that show batteries, circuit designs, wiring diagrams, etc. |   |
| Pre-flight checklist describing field assembly of the rocket, motor installation, recovery system preparation, launcher installation, system arming, etc. |   |

Now complete the following data capture section to provide a concise summary of the technical issues for your proposed flight.

If you require more space than provided, please type up in a separate document with reference to each section.

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| --- | --- | --- | --- | --- | --- | --- |
| **Project Details** |  |  |  |  |  |  |
| 1. Source - kit or scratch?
 |   |   |   |   |
| 1. Total rocket length.
 |   |   |   |   |
| 1. Rocket diameter (s)
 |   |   |   |   |
| 1. Total rocket mass (except motor)
 |   |   |   |   |
| 1. Number of previous flights
 |   |   |   |   |
| 1. Avionics description.
 |   |   |   |   |
| 1. Recovery actuation description.
 |   |   |   |   |
| 1. Motor type.
 |   |   |   |   |
| 1. Method of ignition.
 |   |   |   |   |
| 1. Launcher type – rod, rail, tower?
 |   |   |   |   |
| 1. Stability margin - including how calculated.
 |   |   |   |   |
| 1. Predicted altitude - including how calculated.
 |   |   |   |   |
| 1. Predicted max velocity - including how calculated.
 |   |   |   |   |
| 1. Estimated max recovery range.
 |   |   |   |   |
| 1. Pre-flight assembly plan - including any tests to be completed on site.
 |   |   |   |   |
| 1. Launch sequence operations.
 |   |   |   |   |

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| --- | --- | --- | --- | --- | --- | --- |
| **Project Flight Plan** |  |  |  |  |  |  |
| Location: |   |
| Proposed Date: |   |
| CAA Authority: |   |
| Local ATC Contacts: |  |
| Does the site have a flight ceiling: |   |
| Site Used for Level 3 Flights? |   |  | Yes/No |   |
| Range Size: |   |   |   |   |
| Minimal Distance for Spectators |   |   |   |   |
| Minimal Distance for Flyers |   |   |   |   |
| Can These be Safely Met on This Site? |   |   | Yes/No |   |
|  |  |  |  |  |  |  |  |
| **RSO Details (to be completed in conjunction with the mentor)** |  |
| Name: |   |   |   | Home Phone: |   |   |
| Address: |   |   |   | Mobile Phone: |   |   |
|   |  |  |   | UKRA No: |   |   |
|   |   |   |   | Post Code: |   |   |
| Email: |   |   |   |   |   |   |   |