



**Cessna Aircraft Company**  
**Raytheon Missile Systems**  
**AIAA Foundation**

## DBF Special Q&A

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**A:** Suitability for hand launch is a key component in the design requirements for this year. It should be thoroughly integrated throughout the design and program management process to ensure that the aircraft can **reliably and safely** start and transition to missions M1, M2, and M3 with a hand launch. Design factors affected will include weight, motor torque while in the hand, provisions to safely hold and launch the aircraft, etc. The conceptual and preliminary design phases may require trade studies and/or experiments to determine maximum suitable torque, wing span, weight, prop size, launch technique, etc. for hand launch