

Channelized Wing Hybrid Electric Vertical Takeoff and Landing UAS Assessment  
Event (AE) White Paper Submission Template

**THIS IS THE TITLE PAGE AND DOES NOT COUNT TOWARDS YOUR PAGE  
TOTAL**

Provide Company Name, Title, Date, Point of Contact, E-Mail Address/Phone/Address

# Channelized Wing Hybrid Electric Vertical Takeoff and Landing UAS Assessment Event (AE) White Paper Submission Template

**Ensure that your White Paper covers the following areas:**

**EXECUTIVE SUMMARY:** Provide a more detailed description/summary of your technology. Proposals should include the definition of the product, techniques, applicability to the “Problem Statement’ and Operational Use/Conditions” outlined within the Assessment Criteria document. Submissions should define the current technology readiness level (TRL) reflecting justification of TRL 7 or higher maturity with any demonstrations of the technology in defense or commercial systems.

**TECHNOLOGY CONCEPT:** Describe the unique aspects of your technology and any detailed technical specifications as it relates to Channelized Wing Hybrid Electric Vertical Takeoff and Landing UAS. Include a technical description of the proposed current capabilities. Please ensure the paper describes the hardware and software capabilities available for an in-person demonstration if required. Be certain to include discriminating, unique, or exemplary capabilities or features that set your capability apart from a competitive and dynamic industry.

## **DESIRED OPERATIONAL CHARACTERISTICS AND PERFORMANCE**

**ATTRIBUTES:** Describe all characteristics and performance attributes provided within the Assessment Criteria document and annotate your system’s abilities to meet/not meet the desired technology and capture deficiencies that could be achieved in a rapid six to twelve month development effort as well as those that are impossible to meet with these time constraints (provide alternate feasible development period if appropriate). Tables are highly encouraged.

**APPROACH:** Describe how your technology/capability solves the designated UAS requirement. If applicable, identify any past or current efforts in which your technology/capability has successfully demonstrated results that have, partially or in its entirety, addressed the UAS requirements.

**ROM COST/SCHEDULE:** Lay out your Rough Order of Magnitude for cost/schedule to implement your company’s solution to achieve the USSOCOM desired technology characteristics and performance attribute deficiencies captured above. You may want to list the variables that could influence the cost/schedule, and you may want to include any assumptions made in calculating the ROM. Submission should include ROM cost/schedule estimate requested based on a contractor-defined architecture with the definition of driving cost constraints.

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**\*SUBMISSION MAY NOT EXCEED SIX (6) PAGES, TIMES NEW ROMAN 12-POINT  
FONT, NOT INCLUDING THE TITLE PAGE\*  
ADDENDUM FOR VIDEOS/PHOTOS ENCOURAGED/PERMITTED**

**Videos of the current UAS demonstrating takeoff, operation, and/or landing are highly  
encouraged. (optional)**