

Org-Type	Professional Association-based   Government-based		
Lead	AIAA	PoC	N/A
PoC-Phone	N/A	PoC-Email	greg.page@nrl.navy.mil
Address			
URL			
Service-Region	Nationwide		
Type	Student Program		
Subjects	Engineering   Technology		
Level	Undergraduate   Graduate		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>The AIAA through the Applied Aerodynamics, Aircraft Design, Design Engineering and Flight Test Technical Committees and the AIAA Foundation invites all university students to participate in the Cessna/Raytheon Missile Systems Student Design/Build/Fly competition. Student teams will design, fabricate, and demonstrate the flight capabilities of an unmanned, electric powered, radio controlled aircraft which can best meet the specified mission profile. The goal is a balanced design possessing good demonstrated flight handling qualities and practical and affordable manufacturing requirements while providing a high vehicle performance. To encourage innovation and maintain a fresh design challenge for each new years participants, the design requirements and performance objective will be updated for each new contest year. The changes will provide new design requirements and opportunities, while allowing for application of technology developed by the teams from prior years. Outcomes-Generated: The contest will provide a real-world aircraft design experience for engineering students by giving them the opportunity to validate their analytic studies.</p>		
Outcomes			
Started	Funded-Through		
Length	Cost		
Primary-Funding	Primary-\$		
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why	<p>The program has been running for over a decade now and continues to attract a lot of college teams. In this competition students must work together to design, build and fly planes following the guidelines of the competition. However, in order to do so students must demonstrate teamwork, communication, and the ability to collaborate ideas to produce a working product. Thus through this program students learn skills required for career success and in the process have fun doing it.</p>		
Promising-Practice			
Sponsor	Sponsor-Org		
Sponsor-Phone	Sponsor-Email		
Other-Orgs			