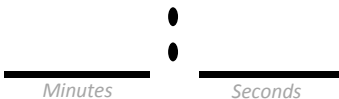


School Name: _____

TEAM # _____

Regular (000 - 199)
 Advanced (200 - 299)
 Micro (300 - 399)

Team Name: _____

	DISCUSSION	Excellent	Good	Average	Fair	Comments
CONTENT	1 Vehicle Sizing	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	2 Configuration Selection	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	3 Stability & Control	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	4 Weight Buildup	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	5 Propulsion	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	6 Performance Analyses	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	7 Stress Analysis	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	8 Use of Materials	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	9 Trade Studies	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	10 Empirical Results	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	11 Requirement Decomposition	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	12 Project Planning	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
DELIVERY	13 Style (Natural & Comfortable)	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	14 Move (Eye, Posture, Gesture)	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	15 Clear and Distinct	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	16 Appropriate Rate and Pitch	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	17 Volume	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	18 Fluency	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	19 Topic Introduction	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	20 Well-Structured Presentation	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	21 Logically Topic Transition	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	22 Summary	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	23 Clear	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	24 Sufficient (Appropriate Level)	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
	25 Relevant	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
REQUIREMENTS	26 Marketing/Promotional Pc.	YES NO	30. Presentation Time 			
	27 Static Display	YES NO				
	28 Reg. Class 1 minute Loading Demo	Pass Failed				
	29 Reg. Class 1 minute Unloading Demo	Pass Failed				
						Additional Comments On Back

Judge Name (Optional) _____

Room #/Name _____

2016 Judging Criteria

2016 Judging Criteria			
	Topic	Basis of Judgement	
CONTENT	1	Vehicle Sizing	Discussed methodologies and assumptions used to derive aircraft size
	2	Configuration Selection	Discussed methodologies and assumptions used to develop aircraft configuration
	3	Stability & Control	Discussed drivers that influenced control surface sizing, servo motor sizing, and installation. (<i>Should talk about static stability and dynamics of flight</i>)
	4	Weight Buildup	Discussed how the team manage weight and approach to reduce weight.
	5	Propulsion	Discussed approach and techniques used to down-select the engine and propeller.
	6	Performance Analyses	Discussed analysis and techniques used to achieve desired aircraft performance. (<i>Should touch on min. weight, max thrust, stability, controllability, etc.</i>)
	7	Stress Analysis	Explained how stress analysis impacted the overall air vehicle level design.
	8	Use of Materials	Discussed how material was selected. Where was it used? Why was it needed? (<i>Availability, Fabrication, Assemble Issues</i>)
	9	Trade Studies	Did the team perform adequate trade studies and "what-if" analysis?
	10	Empirical Results	Empirical testing should be used, as appropriate, in support of aircraft design and performance estimates.
	11	Requirement Decomposition	Demonstrate knowledge of design constraints and mission requirements. Have solid understanding of the scoring criteria
	12	Project Planning	Discuss project management and planning (Engineering, Manufacturing, Design, Flight Test, and Cost)

2016 Judging Criteria

2016 Judging Criteria		
	Topic	Basis of Judgement
DELIVERY	13	Style Observe delivery style; how natural and comfortable was the presentation delivery
	14	Move Observe delivery for proper eye contact, posture and Gestures. Was the movement too distracting?
	15	Clear and Distinct Speaker was clear and distinct. Easy to understand.
	16	Appropriate Rate and Pitch Speaker use of rate and pitch throughout presentation. Too Fast/Slow? Use pause in appropriate places
	17	Volume Speaker was audible and not over bearing
	18	Fluency Speaker presented with good flow using appropriate sounds, words and phrases to convey main point
	20	Well-Structured Presentation Presentation was organized at the appropriate level for a 10 minute presentation
	21	Logically Topic Transition Presentation and speaker used good transition between topics
	22	Summary Speaker provided good summary of the objectives, emphasized main points, and created interest
	23	Clear Visual Aids (charts, handouts, and models) were easy to see, read, and understood.
	24	Sufficient (Appropriate Level) Use of visual aids to drive main point (animation, pictures, models)
	25	Relevant Visual Aids are relevant to discussion and understanding of the objectives

2016 Judging Criteria

2016 Judging Criteria			
	Topic	Basis of Judgement	
REQUIREMENTS	26	Marketing/Promotional Material	During the presentation, the teams shall provide a single sheet (8.5" x 11") marketing/promotion piece to further detail aircraft's feature, capabilities, and unique design attributes (2016 Rule Section 5.1.8)
	27	Static Display	Regular and Micro Class shall display their entry aircraft during technical presentation. Advanced Class team are exempted from the requirement to have a static display if and only if the size of the aircraft prevents entry into the room (2016 Rule Sections 5.1.6 and 5.1.7)
	28	LOAD DEMO (Regular Class Only)	A minimum of ten (10) pounds must be used during the demonstration. One (1) minute to load/secure the homogeneous payload to Flight Ready Status (2016 Rule Section 5.2)
	29	UNLOAD DEMO (Regular Class Only)	A minimum of ten (10) pounds must be used during the demonstration. One (1) minute to unload the homogeneous payload. (2016 Rule Section 5.2)
	30	Presentation Time	Technical presentation shall last ten (10) minutes followed by a five minutes Question/Answer (2016 Rule: Section 5.1.1)