

TEAM # _____ GRADE LEVEL ES/12U MS/15U HS/19U JUDGE NAME: _____

DIRECTIONS: Determine the point value that best characterizes the content of the competition notebook for that criterion. Write that value in the column to the right. This rubric is to be used for all competition notebooks at RECF Aerial Drone Competitions.

Criteria	Expert: 4-5 points	Proficient: 2-3 points	Emerging: 0-1 points	Points
Written Communication Skills (All-Around, Communications, Airmanship)	Includes clear, complete and organized records of evidence of mission objectives. Examples of this may include: - Dated entries with the names of contributing students. - An overall system of organization: numbered pages and a table of contents with entries organized for future reference. - Uses flight terms throughout the competition notebook. - Provides clear evidence of the iterative process.	Is included but lacks some detail or is missing information.	Not included or lacks many details.	
Team, Leadership & Project Mgmt. (All-Around, Communications, Airmanship)	Includes clear, complete and organized records of team roles and project and time management techniques. Examples may include:	Is included but lacks some detail or is missing information.	Not included or lacks many details.	
Safety, Operations & Maintenance (All Around, Communications, Airmanship)	Is clearly identified, including documentation of the team's knowledge of drone maintenance, safety courses, training courses & local drone regulations. Examples of this may include: - Pre and post flight checklists - Flight log and maintenance reports - Completion of FAA Trust (US Teams Only) - Completion of Robolink's Getting Started Course	Is included but lacks some detail or is missing information.	Not included or lacks many details.	
Data Performance & Analysis (All-Around, Communications, Airmanship)	Is clearly identified, including documentation of the team's data about their drone and controller performance, based on testing and analysis. Examples of this may include: - Battery life - Flight time performance - Additional drone & controller data	Is included but has limited analysis and documentation.	Not included or lacks many details.	
Alliance/Teamwork Mission Analysis & Strategies (All-Around, Communications)	Is clearly identified, including documentation of the team's knowledge and understanding of the Teamwork Mission. Examples of this may include: - Analysis of mission rules & scoring - Analysis of practice and competition results - Documentation of brainstorming, testing & sharing results of strategies developed - Documentation of multiple iterations as the team progresses	Is included but has limited analysis and documentation.	Not included or lacks many details.	
Solo Autonomous Flight Mission Programming Documentation & Strategies (All-Around, Communications, Coding)	Is clearly identified, including documentation of the team's knowledge and understanding of the Solo Autonomous Flight Mission. Examples of this may include: - Analysis of mission rules & scoring - Analysis of practice and competition results - Documentation of programming code and version history, including annotations. - Documentation of brainstorming, testing and sharing results of programs developed - Documentation of multiple iterations as the team progresses	Is included, but lacks some details, missing information and/or does not show multiple iterations of programming code.	Not included or lacks many details.	
Solo Piloting Mission Flight Analysis and Strategies (All-Around, Communications)	Is clearly identified, including documentation of the team's knowledge and understanding of the Solo Piloting Mission. Examples of this may include: - Analysis of mission rules & scoring - Analysis of practice and competition results - Documentation of brainstorming, testing & sharing results of strategies developed - Documentation of multiple iterations as the team progresses	Is included but has limited analysis and documentation.	Not included or lacks many details.	
Drone and Aviation Career and Industry Practices (All-Around, Communications, Airmanship)	Is clearly identified, including specific examples, discovery, and documentation of the team's knowledge and understanding of drone and aviation career opportunities. Resources used are referenced. Examples of this may include: - Researching how drones are used in multiple professions - Interviewing a professional in the drone industry and documenting the interaction - Researching and reporting on current trends in aviation and drone technology	Includes limited or general examples and discovery of drone and aviation careers and/or does not reference resources used.	Not included or lacks many details.	
All judging material are strictly confidential. They are not shared beyond the judges and judge advisors and are destroyed at the end of the event.		TOTAL POINTS		

Notes by Judges | Tip: List 1-3 things that make this competition notebook standout.