Team Name: _____

eCYBERMISSION Grading Rubric – Test Model or Prototype (Engineering Design)

Criteria	Point Scale	Comments	Score
Explanation of procedures is clear and complete	*10 Points: Lists all steps necessary to test prototype OR all steps necessary for a proposed test (if not able to build prototype)* *20 Points: Lists all steps necessary to test prototype OR all steps necessary for a proposed test (if not able to build prototype) and includes all necessary safety precautions* *25 Points: Lists all steps necessary to test prototype OR all steps necessary for a proposed test (if not able to build prototype), includes all necessary safety precautions, and clearly relates to proposed solution* *30 Points: Lists all steps necessary to test prototype OR all steps necessary for a proposed test (if not able to build prototype), includes all necessary safety precautions, clearly relates to proposed solution, and is very clear and correctly uses engineering terminology*		
Describe all problems encountered during testing or predicts problems for proposed testing	*15 Points: Explains AT LEAST 1 problem encountered during testing OR proposed testing (if not able to build prototype)* *20 Points: Explains AT LEAST 1 problem encountered during testing OR proposed testing (if not able to build prototype)and problem(s) encountered is/are explained in detail* *25 Points: Explains AT LEAST 1 problem encountered during testing OR proposed testing (if not able to build prototype), problem(s) encountered is/are explained in detail, and is very clear and free of spelling and grammar mistakes*		
Description of how the team changed (or would change) their prototype	*5 Points: Describes changes made to prototype or model (or proposed prototype if not able to build one)* *15 Points: Describes changes made to prototype or model (or proposed prototype if not able to build one) and changes are related to problems encountered during testing (or predicted problems)* *20 Points: Describes changes made to prototype or model (or proposed prototype if not able to build one), changes are related to problems encountered during testing (or predicted problems), and appear necessary to*		

	achieve proposed solution *25 Points: Describes changes made to prototype or model (or proposed prototype if not able to build one), changes are related to problems encountered during testing (or predicted problems), appear necessary to achieve proposed solution, and includes an explanation of why the changes will improve their solution.*		
A sufficient amount of data is collected and well-presented	*0 Points: No data presented* *7 Points: Data presented but not clearly* *14 Points: Data presented but not related to proposed solution* *21 Points: Data presented clearly and related to proposed solution but incomplete* *35 Points: Data presented clearly, related to proposed solution and complete*		
Lists sources of error and explains how these could have affected the results	*0 Points: Does not list any errors* *5 Points: Incomplete list of sources of error* *10 Points: Lists sources of error only, no explanation* *15 Points: Lists sources of error, explains how affected the results, but vague* *20 Points: Lists sources of error, explains how affected the results, lacks some detail* *25 Points: Lists sources of error, explanation very thorough and free from spelling or grammar errors*		
Total	Max Points = 140		