

## 2021 Critical Design Review Score Sheet

**Objective:** Present the design details of the team's robot. (100 pts)

Scoring Sections	Possible Points	Points Awarded
<b>Requirements (20pt)</b>		
The team presented requirements (and strategies) that influenced their design specifications.	7	
The team presented both stated and derived requirements.	7	
The team presented how the requirements influenced their design.	6	
<b>Comments:</b>		
<b>Functionality (30pt)</b>		
The team described the functionality of the robot in detail, including how each of the robot's tasks will be performed.	8	
The team presented block diagrams of major robot components.	8	
The team discussed prototyping or modeling that was performed (either successful or unsuccessful).	8	
The team presented research performed regarding technical solutions (e.g., drive mechanisms, lift mechanisms, etc.).	6	
<b>Comments:</b>		
<b>Design Specifications (Component and System) (30pt)</b>		
The team presented component and system-level specifications. (e.g., weight, dimensions, speed, lift, structural integrity, power, processing, accuracy, etc.)	10	
The team used diagrams, tables, graphs, equations, calculations, simulations, and/or explanations to show "how" they arrived at specifications.	10	
Multiple design disciplines were represented in the review, including systems, mechanical, electrical, software, test, human factors, etc.	10	
<b>Comments:</b>		

Judge Name/number (print): \_\_\_\_\_

Team Number: \_\_\_\_\_ School: \_\_\_\_\_

## 2020 Critical Design Review Score Sheet

Scoring Sections		Possible Points	Points Awarded
<b>Innovation, Risk and Lessons Learned (20pt)</b>			
The team reviewed known risks in their design, including alternate or back-up plans if the mission objectives are not able to be accomplished.		7	
Innovative design elements or processes were used.		7	
The team shared lessons learned.		6	
<b>Comments:</b>			
<b>Additional Comments:</b>	<b>Final Score:</b>	<b>Possible Points</b>  <b>100</b>	<b>Points Awarded</b>

Judge Name/number (print): \_\_\_\_\_

Team Number: \_\_\_\_\_ School: \_\_\_\_\_