# Rubrics for Internal Design Review

<table>
<thead>
<tr>
<th>(4) Advanced - A</th>
<th>(3) Proficient - B</th>
<th>(2) Basic - C</th>
<th>(1) Below Basic - D or E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Timeliness</strong> (10%)</td>
<td><strong>Design Candidate Sheets are completed on time for each design</strong>&lt;br&gt;<strong>Design Assessment Criteria sheet is completed on time</strong>&lt;br&gt;<strong>Group is present and ready to begin on time</strong></td>
<td><strong>Design Candidate Sheets are complete but not on time</strong>&lt;br&gt;<strong>Design Assessment Criteria sheet is completed but not on time</strong>&lt;br&gt;<strong>Group is present and ready to begin on time</strong></td>
<td><strong>Most Design Candidate Sheets are complete</strong>&lt;br&gt;<strong>Design Assessment Criteria sheet is mostly complete</strong>&lt;br&gt;<strong>Group is present</strong></td>
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<tr>
<td><strong>Discussion</strong> (30%)</td>
<td><strong>Group follows good meeting and teamwork procedures</strong>&lt;br&gt;<strong>Discussion remains professional in tone and direction</strong>&lt;br&gt;<strong>Discussion proceeds efficiently</strong>&lt;br&gt;<strong>Group is able to focus on the relevant aspects of the robot designs</strong></td>
<td><strong>Group follows decent meeting and teamwork procedures</strong>&lt;br&gt;<strong>Discussion remains professional in tone and direction</strong>&lt;br&gt;<strong>For the most part discussion proceeds efficiently</strong>&lt;br&gt;<strong>For the most part group focuses on relevant aspects of robot designs</strong></td>
<td><strong>Group follows few meeting and teamwork procedures</strong>&lt;br&gt;<strong>Discussion does not have a professional tone or manner</strong>&lt;br&gt;<strong>Discussion does not proceed efficiently</strong>&lt;br&gt;<strong>Group rarely focuses on relevant aspects of robot designs</strong></td>
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<tr>
<td>Problem Understanding (40%)</td>
<td>(4) Advanced - A</td>
<td>(3) Proficient - B</td>
<td>(2) Basic - C</td>
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| • Design Assessment Criteria are appropriate  
• Discussion indicates that all team members are familiar with the problem  
• Discussion indicates that all team members understand the needs of the solution  
• Candidate designs are oriented toward solving the problem  
• Candidate designs show evidence of thought out design including mechanics, programming, and testing |
| • Design Assessment Criteria are mostly appropriate  
• Discussion indicates that most team members are familiar with the problem  
• Discussion indicates that most team members understand the needs of the solution  
• Candidate designs are mostly oriented towards solving the problem  
• Candidate designs mostly show evidence of thought out designs |
| • Design Assessment Criteria are not very appropriate  
• Discussion indicates that a few team members are familiar with the problem  
• Discussion indicates that a few team members understand the needs of the solution  
• Candidate designs do not really try to solve the problem  
• Candidate designs do not show a thought out design |
| • Design Assessment Criteria do not exist  
• Little discussion takes place  
• Candidate designs do not exist |

<table>
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<tr>
<th>Consensus (20%)</th>
<th>(4) Advanced - A</th>
<th>(3) Proficient - B</th>
<th>(2) Basic - C</th>
<th>(1) Below Basic - D or E</th>
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</table>
| • Group members avoid unnecessary “attachment” to their designs that gets in the way of productive discussion  
• All group member are able to reach consensus |
| • Group members avoid unnecessary “attachment” to their designs that gets in the way of productive discussion  
• Most group members are able to reach a consensus  
• Group is present and ready to begin on time |
| • Group member must keep pieces of their original design which may temporarily halt productive discussion  
• Few group members reach consensus |
| • Group members feel that their design is the only design  
• Group members never reach consensus |