Cadets:	

	1-Needs More	2	3 - Good	4	5 - Excellent
Task organization and completion.					
☐ Do the cadets have a clear and correct problem statement?					
☐ Is there any evidence of task organization?					
☐ Is there a statement of deliverables?					
☐ Are any major tasks missing?					
☐ Do cadets have a plan to complete the project?					
Reactor design.					
☐ Have the cadets identified the reactor design problem?					
☐ Do the cadets understand the major reactor design issues?					
☐ Do they have a plan for addressing the issues?					
☐ Have they performed any calculations yet?					
☐ Have they identified the feed composition?					
□ Have they identified the optimization strategy yet?					
Separator design.					
$\hfill\Box$ Have the cadets identified the separation problem?					
$\hfill\Box$ Do they understand how many separators they will need (number of splits)?					
$\hfill\Box$ Have they calculated the reactor product distribution yet?					
\square Have they identified the products from the separation?					
$\hfill\Box$ Have they performed the calculation on at least one split?					
☐ Have they identified the optimization strategy yet?					
Literature review.					
\square Have cadets examined how others have solved this problem?					
$\hfill\Box$ Have they used the chemical engineering design references? How many?					
$\hfill\Box$ Do the cadets understand the chemical reactions involved?					
$\hfill \square$ Have cadets found the capacity and cost for similar types of units? Have they					
used the scaling equation to estimate total process capital investment?					
Quality of PowerPoint briefing.					
☐ Are slides organized and clear?					
□ Was the number of slides appropriate for a 15 minute briefing?					
□ Did the cadets each speak clearly with correct grammar?					
☐ How did the cadets respond to questions?					
☐ Did all group members play a significant role?					
Notes:					
Total Score:					