

## Senior Design Architecture Design Review & Final Exam

Date: \_\_\_\_\_

Team: \_\_\_\_\_

Evaluation Criteria	Value	Score
<p><b>OVERVIEW:</b> Is the <b>meta-architecture</b> clearly described with critical <b>guiding principles for the design</b> delineated. Is the top-level design structure simply, logically and clearly defined (<b>rationale</b>, structural location of critical functions, <b>external data input and output</b>)?</p> <p>Fully and clearly defined (25 - 30 points)? Concepts are presented, but not thoroughly described (20 – 24 points)? Many questions remain (10 – 19 points)? Layers are confusing, unrelated to each other, poorly described, etc. (0 – 18 points)?</p>	30	
<p><b>LAYERS:</b> Are the <b>architectural layers</b> well defined (purpose, function, dependencies, services provided to/expected from other layers, calculations/processing that is required, data input and output and data flows)? Is there a <b>clear relationship between</b> the layers? Is <b>layer independence</b> and <b>interaction</b> defined? Is inter-layer <b>coupling</b> minimized?</p> <p>Fully and clearly defined (25 - 30 points)? Subsystems and components are presented, but not thoroughly described (20 - 24 points)? Many questions remain, especially about relationships and interdependencies (10 – 19 points)? Grouping of subsystems and components is confusing and/or poorly defined (0 – 18 points)?</p>	30	
<p><b>SUBSYSTEMS:</b> Are <b>subsystems</b> and <b>key components</b> well defined (purpose, function, dependencies, services provided to/expected from other subsystems, calculations/processing that is required, data input and output and <b>data flows between subsystems</b>)? Is there a <b>clear relationship to the layers</b> in which they appear?</p> <p>Fully and clearly defined (25 - 30 points)? Subsystems and components are presented, but not thoroughly described (20 – 24 points)? Many questions remain, especially about relationships and interdependencies (10 – 19 points)? Grouping of subsystems and components is confusing and/or poorly defined (0 – 18 points)?</p>	30	
<p><b>OVERALL</b>, based on this review and a review of the draft ADS, the team's Q &amp; A, and your subjective opinion of what you heard and saw today, how would you <b>rate this architecture design</b>? Superior/Outstanding (10 points)? Excellent (8 – 9 points)? Good (5 - 7 points)? Fair (3 - 4 points)? Weak (2 – 3 points)? Poor (0 – 1 points)?</p>	10	
TOTAL	100	

Other Comments/Advice (continue on reverse, if required):