MEA1: Sag of a Transmission Line – Rubric

The following rubric will be used to grade your report. Ensure that you review it and self-evaluate your work in the self-assessment section.

	7-8 *Outstanding*	6 *Expectation*	5 *Developing*	4 *Marginal*	0-3 *Not Demonstrated*
Executive Summary *(team)*	**Meets expectations and:** Excellent vocabulary choices, varied transitions; qualifies when conclusions are true	Clear, concise summary of situation, problem, modeling, and conclusions.	Clear summary of objectives, conclusions and recommendations with some minor issues.	Summary is missing some key objectives or conclusions; unsuitable for intended audience.	Unclear; objectives and conclusions not identified.
Problem Definition *(team)*	**Meets expectations and:** Includes quality information from sources outside the course to inform process, model, and conclusions.	Clearly defines scope of problem, stakeholders, and required goals. Summarizes and assesses credibility of information used.	Problem definition is clear but missing some elements.	Some important information or biases not identified, or trivial/incorrect information included.	Problem not defined, little useful information, or information directly copied.
Model *(individual subsections)*	**Meets expectations and:** Sophisticated model used incorporating several effects; uncertainty in model's input variables shown by range of output values.	Creates and applies quantitative model using supported analysis, approximations and assumptions.	Model has minor errors or unsupported approximations or assumptions.	Model used has significant errors or uses inappropriate assumptions.	No analysis, or model/analysis selected is inappropriate, or can't draw conclusions.
Model communication *(individual subsections))*	**Meets expectations and:** Varied transitions, attractively formatted, no grammatical errors.	Concise and clearly formatted following guidelines with few grammatical errors.	Clearly formatted following guidelines but obviously needs proofreading.	Understandable but not formatted following guidelines; many grammatical errors.	Report difficult to understand.
Conclusions *(team)*	**Meets expectations and:** Quantifies possible error/uncertainty in model conclusions and provides thoughtful recommendations.	Draws well-supported conclusions. Evaluates validity of results and model, and describes limitations and uncertainties.	Most of the elements under "expectation" met, but not all.	Superficial conclusions, evaluation of solution, and recommendations	Unsupported or trivial conclusions. No evaluation of solution.
Self-assessment *(team)*	**Meets expectations and:** Comprehensive analysis applied with clear proposals for potential improvement of model, process, and report.	Critical analysis that identifies limitations, potential biases, potential inaccuracy, etc.	Critical analysis misses some issues with the work.	Analysis of team and individual work identifies few areas for improvement.	No or superficial assessment.
Communication *(team)*	**Meets expectations and:** Varied transitions, attractively formatted, no grammatical errors.	Concise and clearly formatted following guidelines with few grammatical errors.	Clearly formatted following guidelines but obviously needs proofreading.	Understandable but not formatted following guidelines; many grammatical errors.	Report difficult to understand.