2018-2019 Mid-Term Credibility Plan Review

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#	Ten Simple Rules	REVIEWER #1		REVIEWER #2	
		Considered in the Credibility Plan?	Comments	Considered in the Credibility Plan?	Comments
1	Define context clearly	sufficient	The context of use for the models and multiscale modeling and simulation workflow is well defined. Clearly specifying target users (and relevant use cases) is recommended. Are the awardees anticipate scientists of brain activity, electrode designers or clinicians utilize their models?	sufficient	No discussion of the intended use / audience
2	Use appropriate data	sufficient	The nature of data for calibration and optimization is summarized in List of Planned Actions table. It seems like relevant publications exist and cited.	insufficient	How is the considered data relevant and traceable?
3	Evaluate within context	insufficient	Calibration and optimization stages are well described in List of Planned Actions table. It will be useful to note the criteria for acceptable verification, validation, uncertainties, etc.	insufficient	What about V&V and UQ?
4	List limitations explicitly	sufficient	Major limitation is listed. Reader is referred to publications where limitations are noted. It may be useful to note some of these during model sharing as disclaimers.	insufficient	How the limitations will be made available to users / reviewers?
5	Use version control	sufficient	Subversion is used as a version control system. In List of Planned Actions table using Git is also noted.	sufficient	What about version / control for docs / model runs?
6	Document adequately	sufficient	Based on awardees entry, it is anticipated that the logs of the version control systems (and messages inserted with each change) can be used to document history of the models. List of Planned Actions table also refers to a separate Documentation section including publications and guides.	N/A	Description of the plan is uncleare
7	Disseminate broadly	sufficient	Dissemination plans are in place, some models are already shared.	sufficient	
8	Get independent reviews	sufficient	At a higher level, the efforts are evaluated by third-party as part of the BioMedical Simulation Resource. For third-party review of models, plans are made. It is not clear a third-party reviewer was already identified and recruited.	sufficient	
9	Test competing implementations	sufficient	Some of the models are compared to alternative implementations; publications are noted.	insufficient	
10	Conform to standards	insufficient	While it is stated that best coding and operating procedures are relied on, it is not clear what these are. A reference or a description will be very helpful.	N/A	very vague

General Comments

Reviewer 1:
Thank you for the detailed update on Model Credibility Plan and your effort to explain its correspondence to Ten Simple Rules.

Reviewer 2:
Thank you for a detailed report, this is great work and a solid plan. For the next report, we suggest incorporating details of the planned actions within the TSR structure, and only leave general notes in that section. This way it will be easier to evaluate.