

PROJECT DEVELOPMENT AREA for TRANSACTIVE ENERGY / MODELING AND SIMULATION		
Title: Transactive Energy Interoperations and Abstract Interaction	Brief Description: Write 2-3 sentences/bullets to describe the project development area and the necessary partnerships <ul style="list-style-type: none"> Align what is simulated with real TE message exchanges by finding common meanings across environments (e.g., double auction markets load price iterative exchange including a product definition for volt/var specifics, CIM, Energy Interop, TeMIX, maybe ICCP) 	Challenges: Identify the anticipated challenges for creating a workable demonstration or testbed for the concept <ul style="list-style-type: none"> Mapping core semantics (most are fairly similar) Getting experts on the various technologies Engaging simulation experts
PROJECT APPROACH		
Major Tasks: Describe a possible approach to developing the project, including 3-5 major tasks <ul style="list-style-type: none"> Survey IE methods, standards, and techs Define core semantics (max 1 or 2 clusters) and map to identified technologies Publish transforms Build a simulation that can engage the various technologies 	Major Milestones with dates: Define 3-5 milestones that can be used to measure progress (what markers can we use to measure and assess progress in development?) <ol style="list-style-type: none"> Approach -6 weeks Design – 6 weeks Build – 6 weeks Evaluate – 6 weeks 	Performance Targets: Identify 1-5 (quantitative) performance targets that define a successful outcome (what does success look like?) <ul style="list-style-type: none"> TBD Limits: What parameters should be used to define the realistic limits to use of the system/platform <ul style="list-style-type: none"> TBD
PROJECT IMPACTS and DEMONSTRATION		
Impacts: Describe the anticipated economic benefits (new products, jobs, economic growth, exports, tax base, etc.) as well as impacts on energy, health, safety, environment, and other quality of life aspects <ul style="list-style-type: none"> Align simulation work to make it more applicable to future TE deployments 	Demonstration vehicle: Describe how you might demonstrate the project concept (physical or virtual) <ul style="list-style-type: none"> Not identified yet. Status of Commitment: Please advise on the current status of the CPS idea detailed on this worksheet (underline/circle one): <p> Launched Ready for Public Announcement In Deliberations / Negotiations <u>CONCEPT ONLY STAGE / NO PARTNERS YET</u> </p>	Team Lead: <ul style="list-style-type: none"> Shawn Chandler, Bill Cox Participants and Roles: <ul style="list-style-type: none"> Alexander Krstulovic, Alliander William Cox, Energy Mashup Lab Shawn Chandler, Navigant William Miller, MACT Edward Cazelet, TeMix, Inc Additional Notes: <ul style="list-style-type: none"> Roles to be defined