

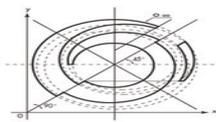


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SMD & Software Standards

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ALSTOM



1. Information Exchange between Independent Systems

- Standardize business interaction steps.
- Urgent. Needed for building SMD V1.

2. Competitive Software Supply

- Enable integration of components from other vendors at reasonable cost.
- Can be phased in / importance differs with component.

3. Power System Modeling

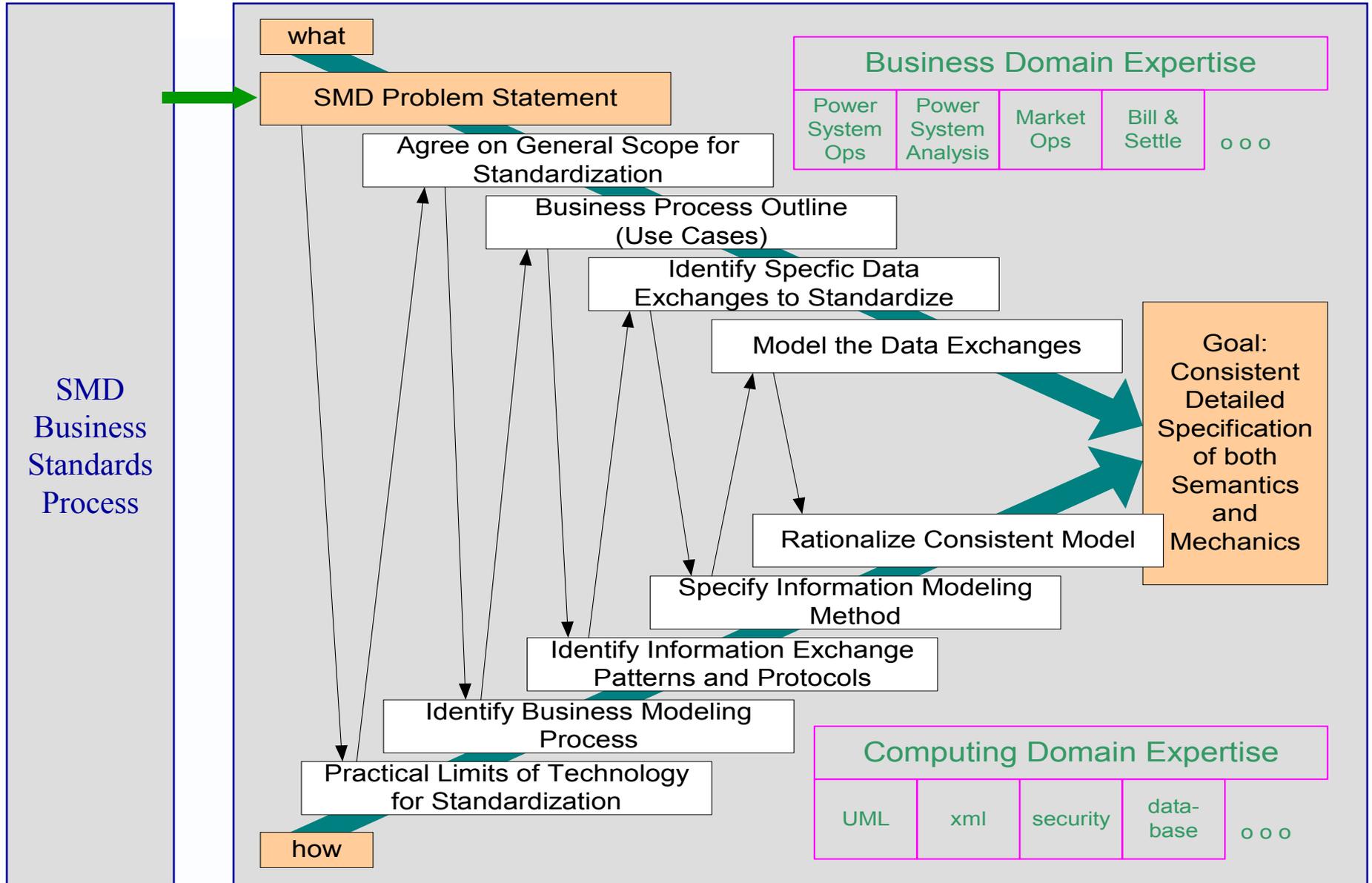
- Facilitate cooperative process from sources to RTOs. Improve quality.
- Don't build a skyscraper on swampy ground.

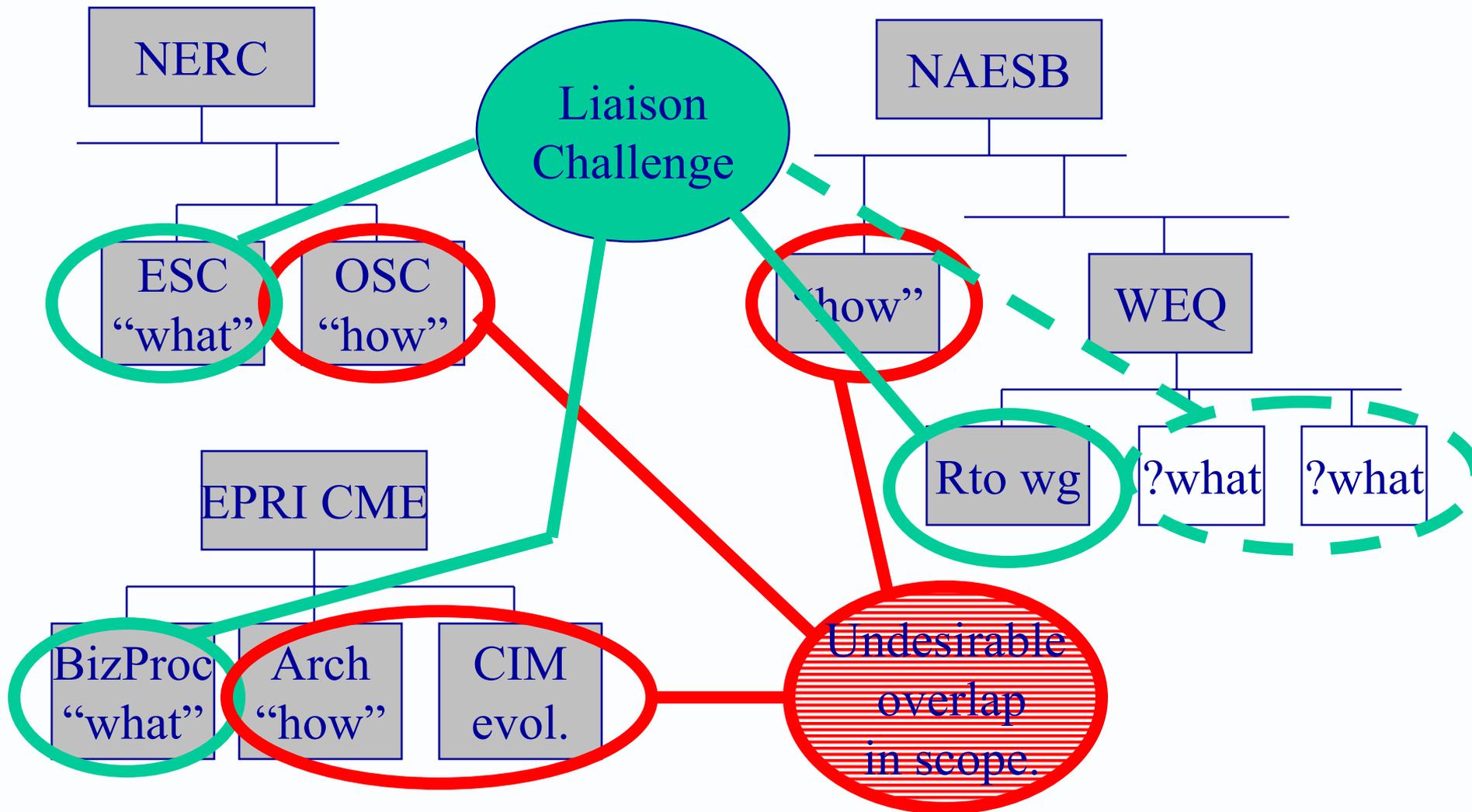
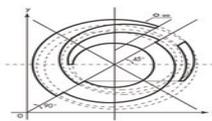
4. Testing & Fidelity

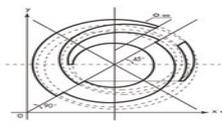
- Assure fidelity of models, algorithms and business processes.
- Good practices can be phased in and will take time to evolve.

5. Software Security

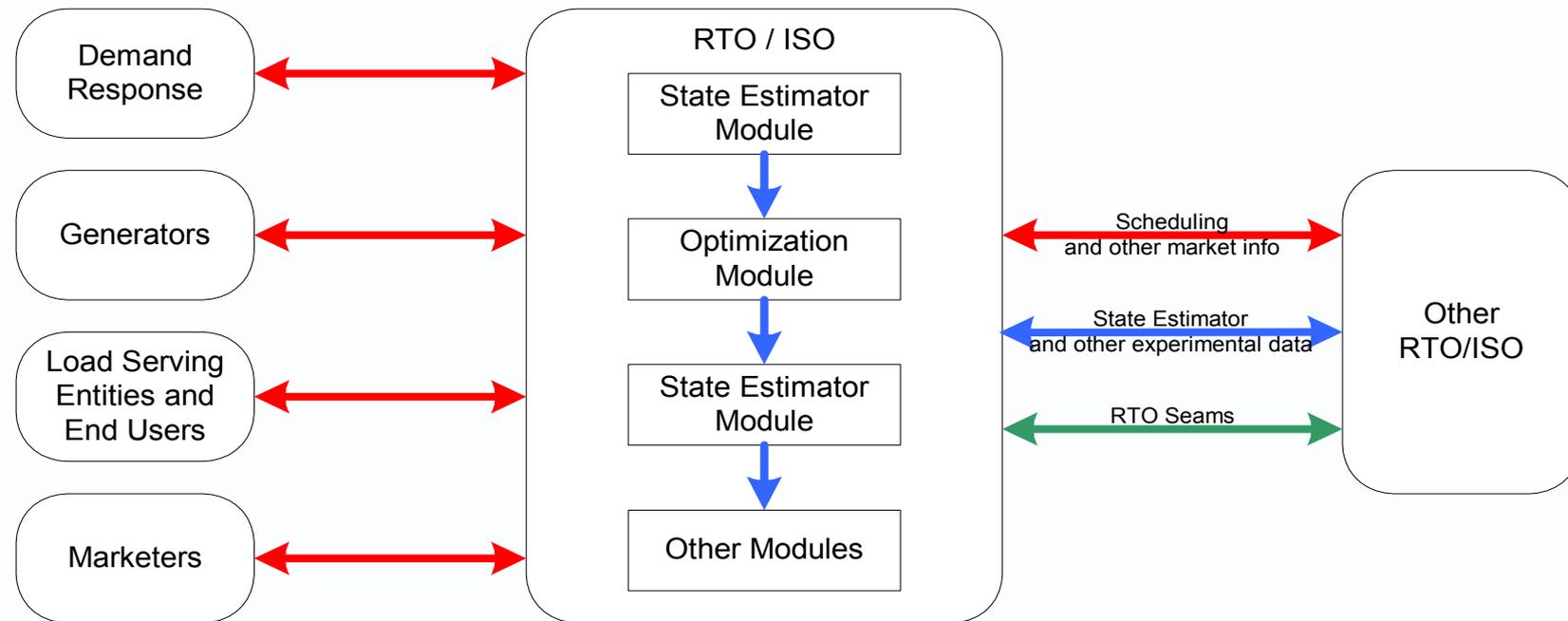
- Standard approach to secure the systems against unauthorized use.
- Urgent. Let's start out on the same page.





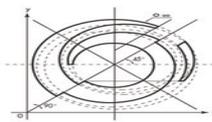


Standards Development Under SMD



Will there be seams issues if these standards are not developed by the same body?

- Market oriented business practices and communications standards developed by NAESB
- Operational Communications standards to be developed by NAESB or EPRI
- Seams issues decided by Standard Market Design



One development organization,
please.

