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Model Component Standardization and Certification

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Model Component Standardization and Certification

- **Simulation is being used in the design of ever more complex systems**
- **These simulations are becoming increasingly multi-disciplinary**
- **Specifications of complex systems will be increasingly simulation-based**
  - "The simulation is the specification"

Model Component Standardization and Certification

- **Development of simulation-based specifications will depend on the availability of certified simulations of system components such as electrical machines, hydraulic pumps, compressors, electronic components.**

- **Obstacles to be overcome include IP and liability issues for manufacturers and the creation of a transparent, reliable, independent process of certification that meets the needs of all stakeholders.**
  - How will candidate models be defined and submitted for certification?
  - Which bodies (professional societies?) will operate process?
  - How will certified models be distributed?
  - What are the liability issues and how can they be addressed?

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- How will the creation of a certification process be initiated?
- Which professional bodies should be involved? e.g. IEEE, SCS, SISO, other?
- What (if anything) should happen next?