

IEEE PES Intelligent Grid Coordinating Committee

Don Von Dollen – Chairman
Erich W. Gunther – Vice Chairman
Steve Pullins - Secretary



PES IGCC - Background

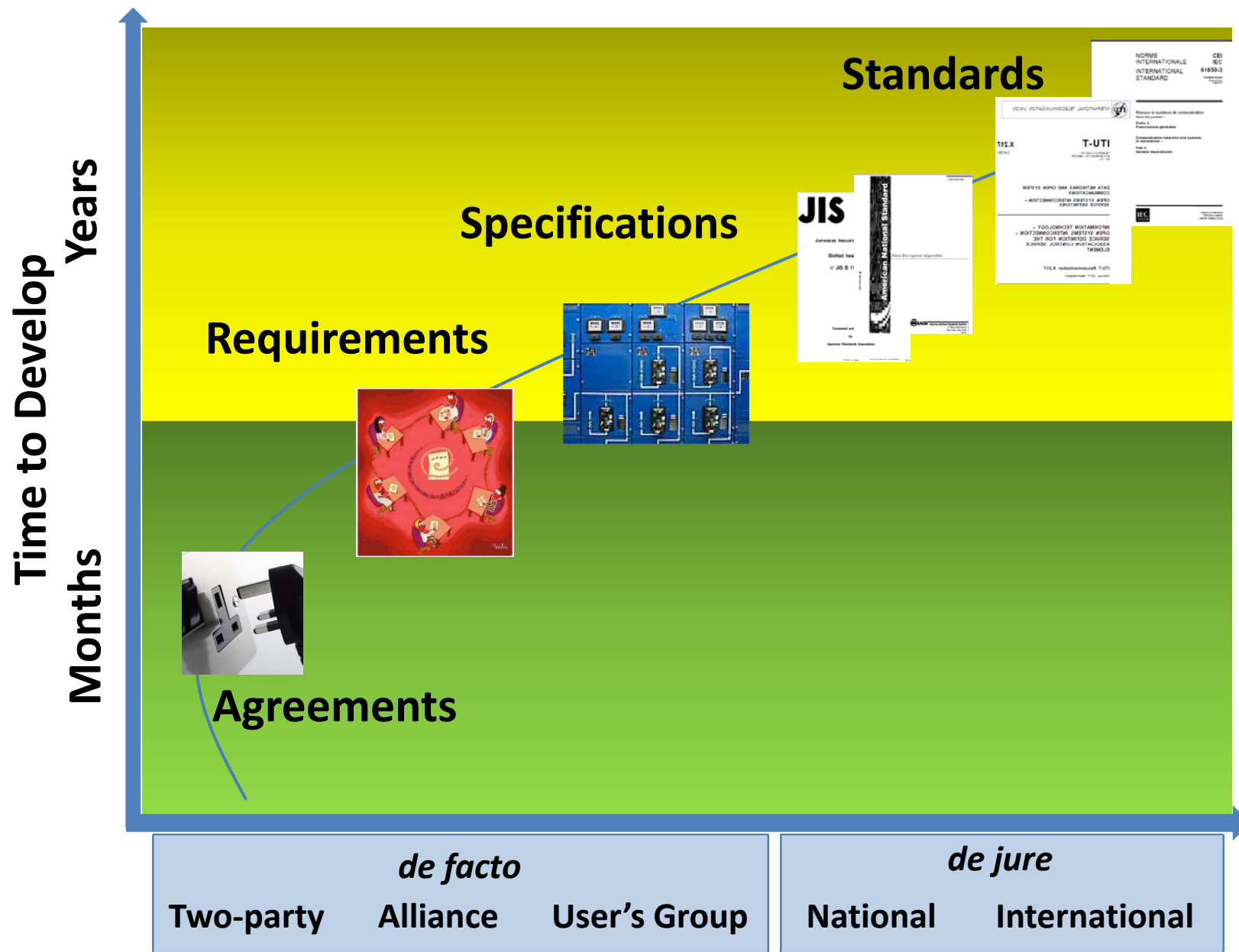
- The electric utility industry is experiencing the advent of an intelligent transmission and distribution grid.
- This promises utilities and their customers substantial advances in power reliability and enhanced services.
- Many technologies created and applied in other industries are now available, providing new business opportunities and enabling utilities to offer more innovative services.
- This evolution is accelerating, but is being applied in fragmented and isolated ways.

PES IGCC - Scope

- This Committee will address the technologies that apply to activities within the IEEE PES, identify opportunities for their future applications, and provide a forum for the free exchange of information.
- Rather than duplicate other ongoing efforts, the focus here will be to make sure that the IEEE-PES point of view is seen, heard, and utilized in implementing grid modernization.
- Note that Smart Grid involves more than applying communications or any one specific technology to the grid – it is a multidisciplinary, systems of systems engineering issue

PES IGCC - Scope

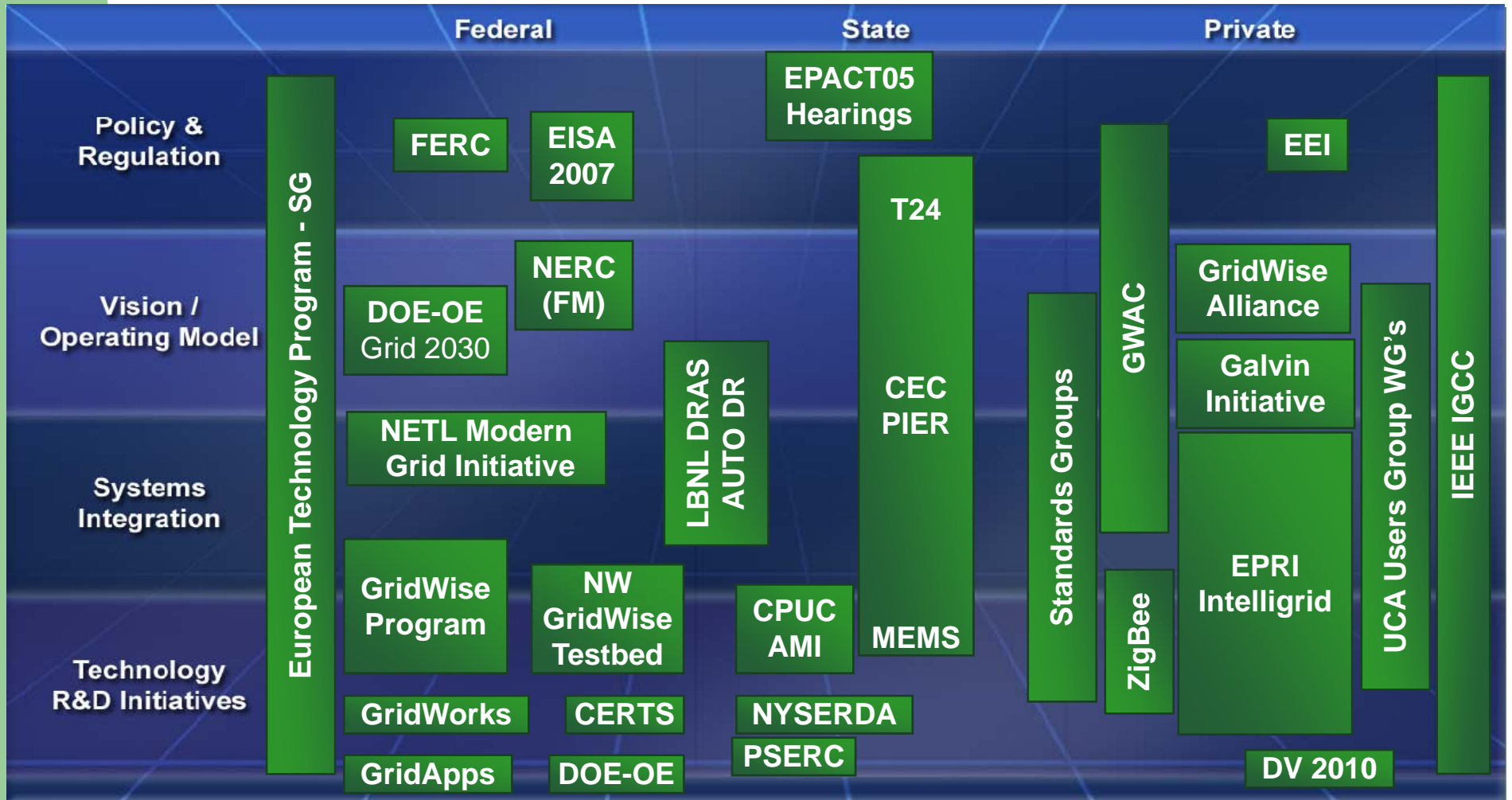
1. Develop a web based repository of summaries of standards and best practices (IEEE, IEC, IETF, etc.) that are key to grid modernization
2. Interact with other organizations or groups that are doing grid modernization research and early implementations, and get their input as to what standards may be needed in the future
3. Instantiate working groups if needed to fill gaps in standardization after careful review
4. Provide input to DOE to support grid modernization and the Energy Independence Act of 2007 [Sec 1305. (a)(2)]



Initial Tasks

- Roadmap for IGCC
- Outreach / Education
 - Establish liaison with DOE / NIST to support EIA 2008
 - Panel session / super session / T&D in Chicago and Pittsburgh GM
 - Web site for collaboration and information repository
 - Why smart grid – making the case
- Prepare list/summary of
 - Grid groups
 - Applicable IEEE and IEC standards, groups, activities
 - Industry groups (e.g. UCAIug and subgroups)
 - IETF and other Internet technology standard groups
- Develop architectural templates

Developers of the Smart Grid



Subcommittee Officers

- Chairman:
Don von Dollen, EPRI, Palo Alto, CA,
dvondoll@epri.com
- Vice Chairman:
Erich W. Gunther, EnerNex, Knoxville, TN,
erich@enernex.com
- Secretary :
Steve Pullins, Horizon Energy Group, Maryville, TN,
spullins@horizonenergygroup.com