

Establishing a Naming Convention for WECC Generic Models

Song Wang
MVS Chair

Why Do We Need Naming Rules?

- Current model library has inconsistent names
- Hard to track model versions and related functions
- Confusion in studies and validation
- MVS responsibility: maintain credibility and consistency

Objectives

- Provide clear criteria for naming generic models
- Ensure consistency across technologies and versions
- Support traceability (old vs. new versions)
- Avoid vendor-specific identifiers
- Align with WECC/IEEE practices

Naming Convention Structure

Component	Purpose	Example
Prefix (3-4 letters)	Technology/equipment	GEN, REGC, REEC,
Function (optional)	Control block	GOV, EXC, PSS,
Type/Designation	Method/family	QEC, ROU,
Version	Revision identifier	A, B, C
Optional Suffix	Special variant	

Example Names

- GENQEC—Synchronous generator, Quadratic, Exponential saturation, with Compensation
- REGC_A—Renewable generator converter, version A
- REEC_E—Renewable energy electrical

Next Steps

- Discuss and refine naming convention
- Approve as MVS guideline
- Publish as reference in WECC model documentation

Discussion

- Questions/Feedback from Members



Contact:

Song Wang

Song.Wang@pgn.com



WWW.WECC.ORG | (801) 582-0353



155 N 400 W, Salt Lake City, UT 84103, USA