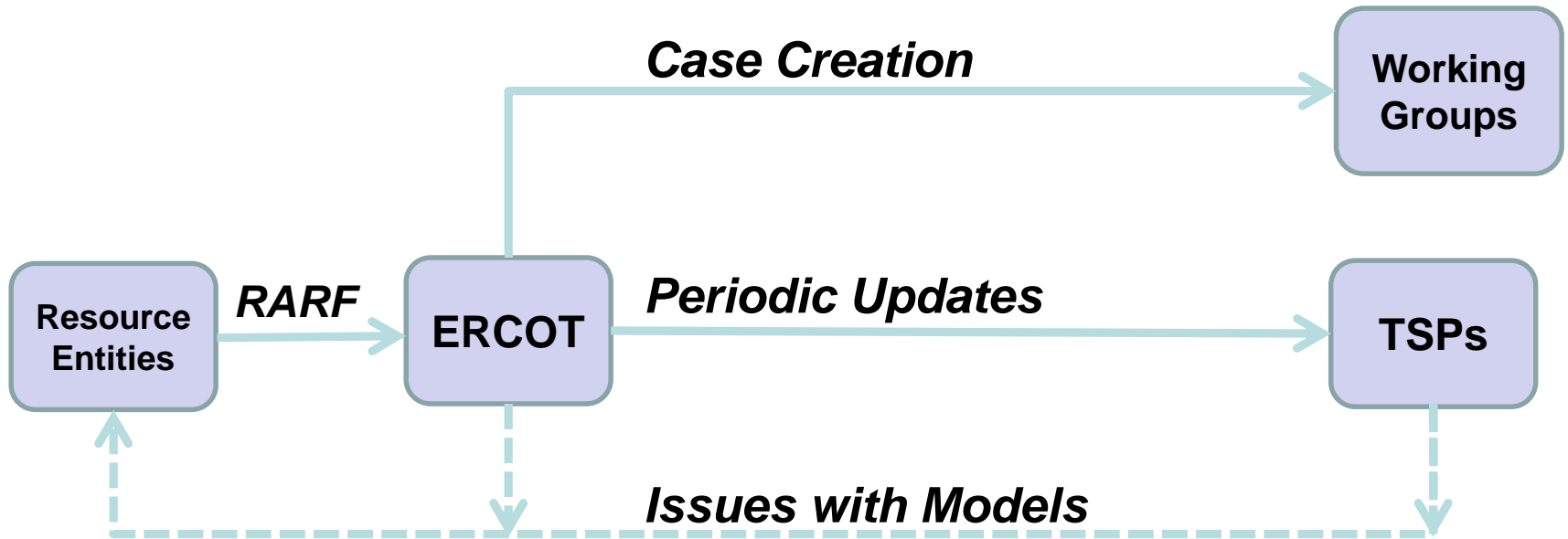

**Generator Model Data
Management:
NERC Standards
MOD-026-1 and MOD-027-1**

**Mark Henry
Director, Reliability Services
Texas Reliability Entity, Inc.**

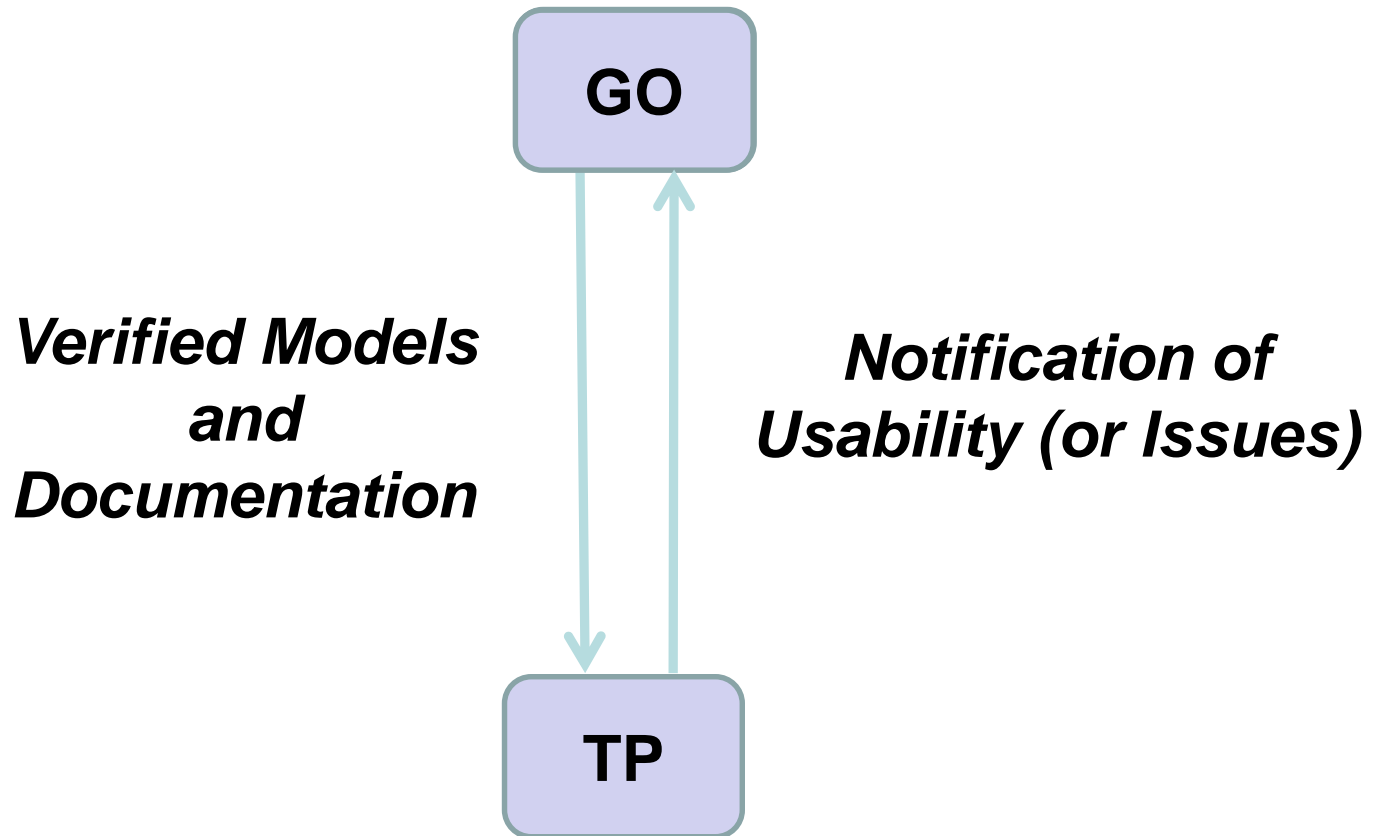
MOD-026-1 and MOD-027-1

- **Verification of Models and Data for:**
 - [MOD-026](#): Generator Excitation Control System or Plant Volt/Var Control Functions
 - [MOD-027](#): Turbine/Governor and Load Control or Active Power/Frequency Control Functions
- **Applicability:**
 - Generator Owners (GO)
 - Transmission Planners (TP)
- **Facilities:**
 - Generating unit > 50 MVA
 - Generating plant consisting of multiple generating units directly connected at a common Bulk Electric System (BES) bus with total generation > 75 MVA

Existing Process



NERC MOD-26-1 and MOD-27-1 Process



Timelines for MOD-026-1 and MOD-027-1

- **July 1, 2018 new units have one year to perform verification after commission date**
- **Within a GO, existing units have multiple year roll-out**
 - 30% of MVA by July 1, 2018
 - 50% of MVA by July 1, 2020
 - 100% of MVA by July 1, 2024
- **TPs – 90 day review and acknowledgement of verified models from GOs**
- **GOs – 90 day response to TP questions about submitted models**
- **Both processes must occur unless it is adapted into the RARF process**

Contact Information

- **Mark Henry**
 - Mark.henry@texasre.org
 - 512-583-4988

Questions?



Acronyms

- **Bulk Electric System (BES)**
- **Dynamics Working Group (DWG)**
- **Electric Reliability Council of Texas (ERCOT)**
- **Generator Owners (GO)**
- **Resource Asset Registration Form (RARF)**
- **Steady State Working Group (SSWG)**
- **System Protection Working Group (SPWG)**
- **Transmission Planners (TP)**
- **Transmission Service Provider (TSP)**