

Live Line Maintenance Discussion Points

- How are minimum safe approach distances (MAD) determined
 - OSHA default values
 - Do not establish economic structures but places everyone on the same MAD
 - Local entities' values
 - Regional Operator provides TOV level
 - Provided once and constant
 - Calculated for day of maintenance
 - Breakers set to “non-reclose”
- What components are to be maintained
 - Insulators
 - Line hardware
 - Conductors/splices/spacers
 - Structural members
 - Structure painting
- What live line work procedures to be used
 - Same procedure for each component to be maintained
 - Stick
 - Bare Hand
 - Insulated bucket truck
 - Ladders
 - Helicopter
- All phases and statics to be considered
 - Helicopter access for flat/vertical construction
- What specific equipment is to be considered
 - Size
 - Mechanical limits
 - Flexibility
 - Bucket truck with one/two knuckles
- Can work procedures be used to lower TOV and reduce MAD
 - Portable air gaps
 - Surge arresters
 - Circuit switching
- Structure climbing; for inspection not maintenance
 - MAD determined with breakers set for “reclose” or “non-reclose”