

Field Name	Type	Size or Format	Description	Distribute
Misop_Date	Date	mm/dd/yyyy	The date that misoperation occurred	Y
Misop_Time	Time	hh:nn:ss	The time at which misoperation occurred in 24-hour format – this could be time marked by the relay if it is synchronized with GPS clock, time noted by each facility owner's or operator's operations control center.	Y
Time_Zone	Text	50	Define the standard time of the misoperation time noted (i.e. GMT, CT, EST, etc.)	N
Utility	Text	25	Name of the facility owner	N
Voltage	Text	10	Transmission voltage (345 kV, 138 kV, 69 kV, etc.)	Y
Protected_Equipment	Text	25	The transmission element (line, autotransformer, bus, etc.) protected by the protection scheme	Y
Substation	Text	50	Name of the substation where the misoperated element or equipment located	N
Protection_Scheme	Text	25	Type of protection scheme applied (i.e. Differential, DCB, SPS, Step distance, etc.)	Y
Equipment_Name	Text	50	Specific description of the protected transmission	N
CB_Number	Text	50	equipment Unique circuit breaker number assigned or used by the facility owner that effected the actual isolation.	N
Fault_Type	Text	50	Type of fault occurred (L-L, L-G, L-L-G, 3L-G, etc. If the misoperation occurred for a non-fault condition, note this field with 'N/A')	Y
Communication_Method	Text	50	Type of communication method used for the protection scheme (i.e. Pilot wire, fiber, power-line carrier, etc.)	Y
Manufacturer	Text	50	Relay Manufacturer's name	Y
Relay_Type	Text	50	Relay Type or style name (i.e. SEL-321, REL-512, CO-9, etc.)	Y
Relay_Style	Text	50	Relay model number	Y
Misop_Category	Text	50	Relay events constitute as reportable protective relay system misoperation as detailed in ERCOT Operating Guide 7, Section 7.2.3	Y
Misop_Description	Text	255	Description of the protective element/scheme failure that caused the misoperation.	Y

Field Name	Type	Size or Format	Description	Distribute
Investigation_Results	Text	255	Description of the analysis results from the misoperation review and any deficiencies identified	Y
Corrective_Action	Text	255	An action plan to correct any deficiencies identified in the investigation results or any additional action plan to avoid similar operations in the future.	N
Target_Date	Date	mm/dd/yyyy	Target date to implement the corrective action plan at the terminal(s) where the misoperation(s) occurred. This could also be the date that the corrective action plan was implemented.	N
Recommendation	Text	255	System wide corrective action plan or long term solution to avoid similar misoperations (i.e. design changes, equipment replacements, etc.)	N
Report_By	Text	25	Individual who completed the report	N
Phone	Text	50	Business phone number of the individual who completed the report	N
Report_Date	Date	mm/dd/yyyy	The date at which the report was completed (i.e. when corrective action was implemented)	N