

Regional Standard IRO-006-TRE-1 Retirement Mapping Document

Regional Standard IRO-006-TRE-1 Requirement Language	Currently Effective NERC Reliability Standard	Requirement	Requirement Language
<p>R1. The RC shall have procedures to identify and mitigate exceedances of identified Interconnection Reliability Operating Limits (IROL) and System Operating Limits (SOL) that will not be resolved by the automatic actions of the ERCOT Nodal market operations system. The procedures shall address, but not be limited to, one or more of the following: redispatch of generation; reconfiguration of the Transmission system; controlled load reductions (including both firm and non-firm load shedding).</p>	IRO-008-2	R1	<p>Each Reliability Coordinator shall perform an Operational Planning Analysis that will allow it to assess whether the planned operations for the next-day will exceed System Operating Limits (SOLs) and Interconnection Operating Reliability Limits (IROLs) within its Wide Area.</p>
	IRO-008-2	R2	<p>Each Reliability Coordinator shall have a coordinated Operating Plan(s) for next-day operations to address potential System Operating Limit (SOL) and Interconnection Reliability Operating Limit (IROL) exceedances identified as a result of its Operational Planning Analysis as performed in Requirement R1 while considering the Operating Plans for the next-day provided by its Transmission Operators and Balancing Authorities.</p>
	IRO-009-2	R1	<p>For each IROL (in its Reliability Coordinator Area) that the Reliability Coordinator identifies one or more days prior to the current day, the Reliability Coordinator</p>

			<p>shall have one or more Operating Processes, Procedures, or Plans that identify actions the Reliability Coordinator shall take or actions the Reliability Coordinator shall direct others to take (up to and including load shedding):</p> <p>1.1 That can be implemented in time to prevent the identified IROL exceedance.</p> <p>1.2 To mitigate the magnitude and duration of an IROL exceedance such that the IROL exceedance is relieved within the IROL's Tv.</p>
	TOP-002-4	R1	Each Transmission Operator shall have an Operational Planning Analysis that will allow it to assess whether its planned operations for the next day within its Transmission Operator Area will exceed any of its System Operating Limits (SOLs).
R2. The RC shall act to identify and mitigate exceedances of identified Interconnection Reliability Operating Limits and System Operating Limits that will not be resolved by the automatic actions of the ERCOT Nodal market operations system, in accordance with the procedures required by R1.	IRO-002-5	R5	Each Reliability Coordinator shall monitor Facilities, the status of Remedial Action Schemes, and non-BES facilities identified as necessary by the Reliability Coordinator, within its Reliability Coordinator Area and neighboring Reliability Coordinator Areas to identify any System Operating Limit exceedances within its Reliability Coordinator Area.
	IRO-008-2	R4	Each Reliability Coordinator shall ensure that a Real-time Assessment is performed at least once every 30 minutes.
	IRO-008-2	R5	Each Reliability Coordinator shall notify impacted Transmission Operators and Balancing Authorities within its Reliability Coordinator Area, and other impacted Reliability Coordinators as indicated in its Operating Plan, when the results of a Real-time Assessment indicate an actual or expected condition that results in, or could result in, a System Operating

			Limit (SOL) or Interconnection Reliability Operating Limit (IROL) exceedance within its Wide Area.
	IRO-009-2	R2	Each Reliability Coordinator shall initiate one or more Operating Processes, Procedures, or Plans (not limited to the Operating Processes, Procedures, or Plans developed for Requirement R1) that are intended to prevent an IROL exceedance, as identified in the Reliability Coordinator's Real-time monitoring or Real-time Assessment.
	IRO-009-2	R3	Each Reliability Coordinator shall act or direct others to act so that the magnitude and duration of an IROL exceedance is mitigated within the IROL's Tv, as identified in the Reliability Coordinator's Real-time monitoring or Real-time Assessment.
	TOP-001-3 (inactive 6/30/2018)	R10	Each Transmission Operator shall perform the following as necessary for determining System Operating Limit (SOL) exceedances within its Transmission Operator Area: 10.1. Within its Transmission Operator Area, monitor Facilities and the status of Special Protection Systems, and 10.2. Outside its Transmission Operator Area, obtain and utilize status, voltages, and flow data for Facilities and the status of Special Protection Systems.
	TOP-001-3 (inactive 6/30/2018)	R13	Each Transmission Operator shall ensure that a Real-time Assessment is performed at least once every 30 minutes.
	TOP-001-3 (inactive 6/30/2018)	R14	Each Transmission Operator shall initiate its Operating Plan to mitigate a SOL exceedance identified as part of its Real-time monitoring or Real-time Assessment.

	TOP-001-4 (effective 7/1/2018)	R10	Each Transmission Operator shall perform the following as necessary for determining System Operating Limit (SOL) exceedances within its Transmission Operator Area: 10.1 Monitor Facilities within in Transmission Operator Area; 10.2 Monitor the status of Remedial Action Schemes within its Transmission Operator Area; 10.3 Monitor non-BES facilities within its Transmission Operator Area identified as necessary by the Transmission Operator; 10.4 Obtain and utilize status, voltages, and flow data for Facilities outside its Transmission Operator Area identified as necessary by the Transmission Operator.
	TOP-001-4 (effective 7/1/2018)	R13	Each Transmission Operator shall ensure that the Real-time Assessment is performed at least once every 30 minutes.
	TOP-001-4 (effective 7/1/2018)	R14	Each Transmission Operator shall initiate its Operating Plan to mitigate a SOL exceedance identified as part of its Real-time monitoring or Real-time Assessment.