

M-7	
Disturbance Control Events (DCS) Greater than Most Severe Single Contingency (MSSC)	
Submittal Date	February 27, 2009
Proposal Type	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> New <input type="checkbox"/> </div> <div style="width: 45%;"> Revision <input checked="" type="checkbox"/> March 16, 2022 December 8, 2020 August 14, 2019 </div> </div> <div style="margin-top: 10px; text-align: right;"> Metric Analysis <input type="checkbox"/> </div>
Definition	This metric is calculated from the total number of DCS events greater than MSSC, aggregated across all interconnections.
Rating Criteria	<ul style="list-style-type: none"> Red (actionable): Continued increase in the year-over-year event count and continues to be above the five-year average. Yellow (monitor): First year increase in the event count, or event count is above the five-year average. White (stable): Event count is greater than zero and is the same as the previous year, and is at or below the five-year average. Green (good/improving): Event count is decreased from the previous year, or zero, and is at or below the five-year average.
Purpose	The purpose is to measure the trend in DCS events greater than MSSC reported by Balancing Authority or Reserve Sharing Groups. The results will help identify how often unplanned multiple contingency (> N-1) events greater than the MSSC are occurring. If the trend in the number of unplanned multi-contingency unplanned events reveals an increase, additional action could be warranted.
Formula or Type of Statistical Analysis	This metric is calculated from the total number of DCS events greater than MSSC, aggregated across all interconnections.
Time Horizon	Historical and current year perspective
Metric Start Time or Baseline	2002, or whenever data first became available

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Data Collection Interval and Roll Up	NERC requests that a BA or RSG voluntarily report all DCS events and non-recoveries to NERC Prior to December 31, 2017, NERC Reliability Standard BAL-002-1 ¹ required that a BA or RSG report all disturbance control standard events and non-recoveries to NERC. On January 1, 2018, NERC Reliability Standard BAL-002-2 ² became effective, which required a BA or RSG to document all RBCEs and their recoveries but no longer requires them to be reported to NERC					
Ease of Collection	Data is available on a voluntary basis; NERC Resource Subcommittee has the data.					
Aggregation	Event count will be aggregated across all Interconnections					
Links to NERC Standard	NERC Standard BAL-002					
Data Source	Voluntary quarterly submissions collected by the Resource Subcommittee					
Data Source Owner	Resource Subcommittee					
Data to be Submitted By	Balancing Authority or Reserve Sharing Group					
PAS and NERC Staff Use						
Need for Validation or Pilot	Need to validate completeness and consistency of reporting by entities					
SMART Rating PAS SMART rating of proposed metric, metric revision, or new metric analysis method	Total Score	Specific/Simple	Measurable	Attainable	Relevant	Tangible/Timely
	12	3	3	2	2	2
Publications and Documentation	State of Reliability Report					

¹ <https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-001-1.pdf>

² [https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-002-2\(i\).pdf](https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-002-2(i).pdf)