

**OPERATIONAL REQUIREMENTS FOR THE ELECTRICITY SYSTEM**

Operation of the electricity system upon emergence of disturbances					
Categorization of disturbances		Operation of the system at emergence of disturbance			
		ST-0	ST-1	ST-2	ST-3
N-1 – common irregularities		Normal state of the electricity system	Abnormal state of the electricity system	Abnormal state of the electricity system	Abnormal state of the electricity system
N-2 and N-X – infrequently encountered disturbances		All essential elements of the electricity system are in operation	Scheduled maintenance of certain elements of the electricity system	Operation of the electricity system is affected because an element that has an impact on the functioning of the electricity system has tripped due to a fault	More than one element that has an impact on the functioning of the electricity system has tripped due to a fault
<b>N-1</b>	The tripping of one element (N-1)	A	A	B	C
<b>N-2</b>	The tripping of two elements (N-2)	B	C	C	
<b>N-X</b>	The tripping of more than two elements	C			

Effects of disturbances:

A	The electricity system is stable with local interruptions of supply manifesting themselves, or with partial interruption of supply to an area being produced.
B	Area-wide interruptions of supply are produced.
C	The system may become unstable and disintegrate into islands, which leads to a full interruption of supply to several areas.
Local interruption of supply	Interruption of supply arises in a substation of a transmission network that has a voltage of up to 110 kV, or in a group of substations of such a network within a limited zone close to the incident site.
Interruption of supply to an area	Transmission of electricity is affected within a wider area, for instance in the supply area of a substation that has a voltage of 330 kV.