

## Use Case 17: Define Transmission Outage Schedules

### Summary:

The user interactively reviews and defines the current list of transmission outage schedules.

### Actor(s):

Name	Role description
Actor 1	Power System Operations Engineer
Actor 2	Power System Operator

### Probable Participating Systems:

System	Services or information provided
System 1	Brief description or list of services or information provided by this system in the context of this use case.
System 2	

### Pre-conditions:

A set of substation and/or transmission line diagrams is available.

### Assumptions / Design Considerations:

Transmission outage schedules need to be specified along with the actual breaker and switch operations. All switch operations associated with the outage are assumed to occur at the same time. All switch operations associated with the restoration are assumed to occur at the same time.

### Normal Sequence:

Use Case Step	Description
1.	The user selects the transmission outage definition template.
2.	The user enters the name and description of the outage
3.	The user enters the start time for the outage
4.	Using the substation and/or transmission line diagrams, the user selects the switches and their operations for creating the outage.
5.	The user enters the restoration time for the outage.
6.	Using the substation and/or transmission line diagrams, the user selects the switches and their operations for restoring the outage.

### Exceptions / Alternate Sequences:

The user specifies a set of breaker and switch operations that is insufficient to either remove the line from service or restore the line into service. This may occur if a backup busbar is being used.

### Post-conditions:

An updated schedule of transmission outages.

**References:**

Use Cases referenced by this use case, or other documentation that clarifies the requirements or activities described.

**Issues:**

<b>ID</b>	<b>Description</b>	<b>Status</b>
1.		

**Revision History:**

<b>No</b>	<b>Date</b>	<b>Author</b>	<b>Description</b>
0.	10/26/98	R. Podmore	

**Use Case Diagram:**