

## 61850-7-5 and 61850-7-500 - IEC61850-7-5 #7179

### Describe autorecloser (RREC) states and transition for two breakers scheme

04/03/2025 07:52 AM - Vladan Cvejic

<b>Status:</b>	New	<b>Start date:</b>	03/04/2025
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Arun Shrestha	<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Source:</b>	Arun Shrestha	<b>TF 7-5 Project document:</b>	IEC 61850-7-500
<b>Category:</b>	Not yet categorized	<b>Related TISSUE:</b>	
<b>Description</b>			
<p>In North America, breaker-and-a-half, ring-bus, and double-bus double-breaker bus schemes are common for HV and EHV applications. In such applications, one protection relay trips/recloses two circuit breakers.</p> <p>In 7-500 document, we discuss autorecloser states and transition in Section 15.6. We only cover the case for a single breaker application. In the case of two breakers, the relay usually denotes one breaker as the 'Leader' and the second breaker as the 'Follower'. The state transition for autorecloser states is complex as compared to a single breaker. Hence, we need to model autorecloser states and transition for two breakers scheme. Also, non-of the protection and control use case in 7-500 considers two breaker applications. We can update some of the existing use cases to describe the two breaker applications.</p> <p>I am willing to volunteer to write a section and put it in 7-500 document.</p>			

#### History

##### #1 - 04/03/2025 07:59 AM - Vladan Cvejic

Initially entered by Arun Shrestha.

##### #2 - 04/03/2025 08:02 AM - Vladan Cvejic

- Assignee set to Arun Shrestha
- Source set to Arun Shrestha
- TF 7-5 Project document IEC 61850-7-500 added
- TF 7-5 Project document deleted (-)