## **RIAPS Usage Models**

Microgrid Islanding and Resynchronization	blocked URL
<ul> <li>Scheduled and emergency islanding</li> <li>Resynchronization and DER control</li> <li>Uses distributed computation and decision making</li> <li>Focuses on time-sensitive power management</li> </ul>	
Remedial Action Scheme (RAS) for Under-Frequency Load Shedding	blocked URL IEEE 39-bus System and Contingency Scenario
<ul> <li>Stop the frequency decline by quickly reducing the amount of load on the grid</li> <li>Adaptive for contingency scenarios and operating conditions</li> <li>Distributed coordination utilized to reach an agreement among RIAPS nodes</li> <li>Fault tolerance is supported by the operating system and RIAPS platform</li> </ul>	
Remedial Action Scheme (RAS) for Wind Farm Generation	blocked URL
<ul> <li>Decentralized Linear State Estimation (DLSE) and curtailment optimization</li> <li>Utilizing measurements and system status in control decisions</li> <li>Uses distributed algorithm to estimate state and calculate an optimal strategy</li> <li>Relies on fault tolerance capabilities of the platform</li> </ul>	