

Course 604

Small Signal Stability Assessment Using SSAT

Course Objectives	To provide the necessary background for practical application of SSAT
Material Covered	<ul style="list-style-type: none">○ The basic concepts of small signal stability○ Practical study methods○ Operation of SSAT
Who should attend	Engineers and operators involved in the study of small signal stability and use of SSAT
Background required	Basic knowledge of power system operation, dynamics, modeling, and analysis.
Duration	2 days (extendable upon request)

Part 1: Fundamentals of Small Signal Stability

1. Overview of Small Signal Stability
2. Descriptions of Small Signal Stability Problems
3. Methods of Analysis
4. Small Signal Stability Enhancements
5. Sample SSAT Applications

Part 2: Using SSAT: Small Signal Analysis Tool

1. Introduction to SSAT
2. Data Requirements
5. Modeling Features
6. Program Customization
7. Result Examination
8. Miscellaneous Features

Part 3: Case Studies

1. Test Case Descriptions
2. Demonstration of SSAT Applications
3. Hands-on Exercise