

Course 603

Transient Security Assessment Using TSAT

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

Part 1: Transient Security Assessment (TSA) Basics

1. **Transient Security Assessment Overview**
2. **Descriptions of Transient Stability**
3. **Scope of TSA and TSAT solutions**
4. **Sample TSAT Applications**

Part 2: Using TSAT: Transient Security Assessment Tool

1. **Introduction to TSAT**
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 TSAT Applications**
3. **Hands-on Exercises**