



## ETAP Validation Cases and Comparison Results

ETAP is Verified and Validated (V&V) against field results, real system measurements, published cases, other programs, and third calculations in order to assess its technical accuracy. Prior to installation, to accompany the V&V of our software and capabilities, the ETAP Test Group will use test cases in the existing history of execution. In addition, the Test Group reviews all existing test cases, as part of our extensive and comprehensive V&V process.

In accordance with IEEE Quality Assurance Program, all procedures and activities related to the quality of ETAP software are subject to internal and external audits, including customer checks and ISO 9001 third certification assessments. Test cases are reviewed during the audit process.

### The document includes

#### Load Flow

##### Load Flow Comparison Case #1

Comparison of ETAP Load Flow Results against a Published Testbook Example

##### Load Flow Comparison Case #2

Comparison of Load Flow Results against a Published Example

##### Load Flow Comparison Case #3

Comparison of ETAP Load Flow Results against Published Testbook Examples

#### Short Circuit

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Comparison of Short-Circuit Results against Third Calculations based on Application Engineering Information

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##### Arc Flash Comparison Case #2

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