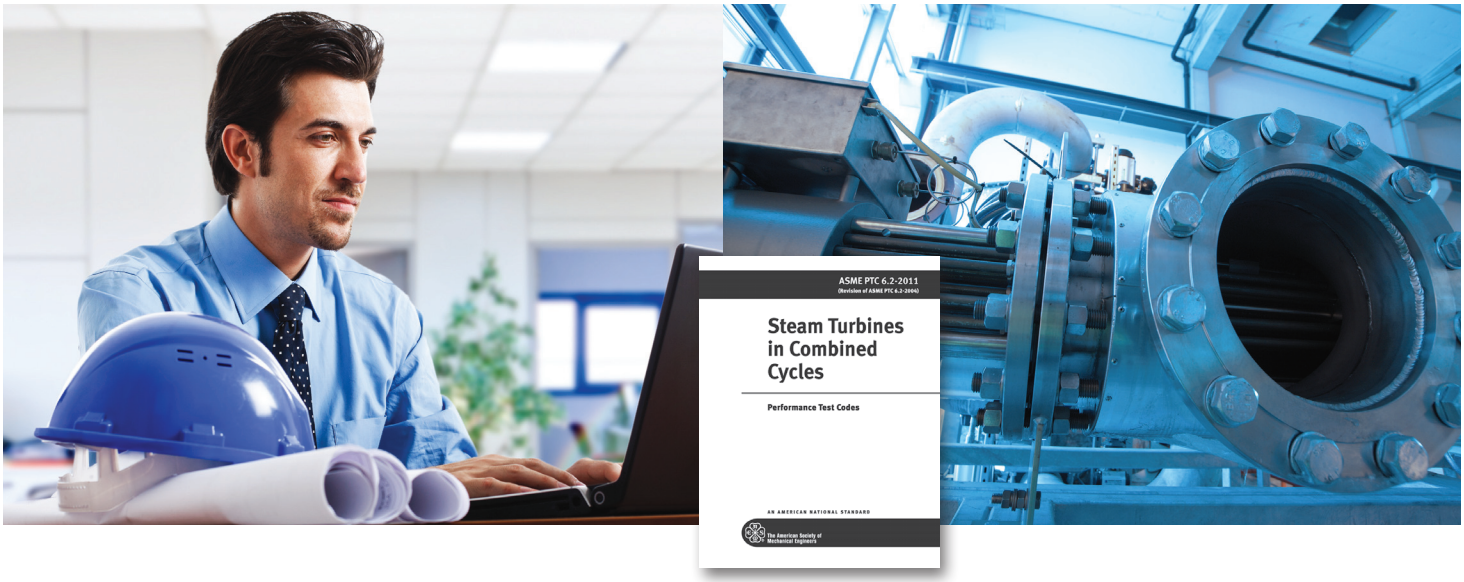


Steam Turbines in Combined Cycles

A Performance Test Code for Engineers Worldwide

ASME PTC 6.2-2011

ASME PTC 6.2 is a performance test code for testing steam turbines in combined cycles with or without supplementary firing and in cogeneration applications. It addresses the testing and calculating of turbine-generator output performance corrected to reference conditions as a measure of overall turbine performance.

This Code contains rules and procedures for the conduct and reporting of steam turbine testing, including requirements for pretest arrangements, testing techniques, instrumentation, methods of measurement, and methods for calculating test results and uncertainty.

After the success and wide acceptance of the first edition in 2004, the PTC 6.2 Committee embarked on a significant and needed revision. The result is this recently published 2011 edition.

This revision accomplishes the following changes:

- Amplifies the section on degradation thus providing more useful guidance;
- Provides more guidance on correlated and uncorrelated uncertainty;
- Addresses stability criteria – such as off-design limits of pressure and temperature;
- Adds references to relevant Codes such as PTC 19.5 and PTC 19.6;
- Complies with PTC 1 and the PTC 1 Template;
- Provides an expanded Appendix D on the Procedure for Determining N2 Packing Leakage Flow;
- Revises many recommendations in Section 3 to requirements, i.e., use of *shall* instead of *should*.

Intended for equipment and systems test engineers, instrument engineers, industrial and power plant engineers, steam turbine manufacturers, instrument manufacturers, A/E firms, and third-party testing agencies.

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