

GD&T Update: ASME Y14.5 – 2009

Course Description

M and M Consulting has a *new one-day course* to help your experienced personnel master the business critical requirements in ASME Y14.5 – 2009.

Seven new symbols have been added, and one has been taken away. Two new fundamental rules have been added, and two others have been modified. Three new interpretations have been made explicit for material condition boundaries, when applied to datum features. Customized datum reference frames may now be used to explicitly define constraining degrees of freedom. These new rules empower designers and engineers significantly more powerful tools, especially when specifying datum schemes.

Geometric Dimensioning and Tolerancing (GD&T), has long been recognized as the language used to specify and interpret dimensional requirements for mechanical components and assemblies. The new international standard, ASME Y14.5 – 2009, provides the first major revision to this language in 15 years. Its enhanced clarity will help you design products that work!

This one-day course has been created for engineers and practitioners, already experienced in GD&T. It is not intended as a first course in GD&T, or as a replacement for the courses that make up the GD&T Trilogy™.

Course Outline

1. New Definitions and Rules
2. New Symbols and Interpretations
3. Greater Clarity for Datum Schemes
4. 14 Geometric Tolerances
5. Summary of Updates and Changes

Key Course Objectives

- ✓ Correctly interpret new definitions and rules.
- ✓ Successfully communicate with new symbols and interpretations.
- ✓ Specify and interpret datum schemes with greater clarity.
- ✓ Interpret tolerance zones for each geometric characteristic.
- ✓ Hold meaningful conversations regarding 2009 GD&T revisions.