TECHNICAL EXCHANGE

MEASUREMENT TRAINING PROVIDED BY NCSL INTERNATIONAL

February 26-28, 2018

The Florida Hotel & Conference Center| Orlando, FL

1500 Sand Lake Road, Orlando, Florida 32809 | 1-800-588-4656

TE-15 | Tuesday, February 27 | 8:00 AM - 5:00 PM | 1-Day (8 Hours)

Course Title: Geometric Dimensioning and Tolerancing (GD&T) Application to Gage Calibration Requirements

Instructor: E.A. "Tony" Bryce, Sandia National Laboratories

Track: Mechanical

Course Description:

A basic introduction to the concepts of GD&T and the application to gage certification requirements. This course is suitable for those individuals needing a basic understanding of the concepts related to drawing and CAD model definition. The course will cover symbol interpretation, feature control frames, datums and datum reference frames (DRF), material conditions (MMC & LMC), positional tolerancing, profile tolerancing, orientation (parallelism, angularity and perpendicularity), profile tolerancing and runout. Application of concepts to gage requirements. This course is based on ASME Y14.5 standard.

Learning Objectives:

1. Vocabulary, definitions, drawing symbols in the ASME Y14.5
2. Determination of boundaries established for gage conformance from understanding of Y14.5 concepts
3. Methods used to determine gage meets design intent