

Executive Overview of GD&T

Based on ASME Y14.5M-1994

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The GD&T executive overview provides an introduction to geometric dimensioning and tolerancing and explains its importance in the product development process. The 4-hour program gives management a perspective of how GD&T will impact and benefit various areas of the organization.

The course covers four areas:

- How drawings support the product development process
- An overview of GD&T
- Why GD&T is important to an organization
- A strategy for maximizing ROI from using GD&T

Course Introduction

Introduce Instructor
Introduce ETI
Course Goals

The Product Development Process

Current PDP's
Design for Manufacturing
Dimensional Management
Importance of Tolerance Analysis
Importance of Drawings
Importance of Standards

History, Present State, and Future of Drawings

History of Engineering Drawings
Present State of Engineering Drawings
The Future of Engineering Drawings

An Overview of GD&T

About the Y14.5 Standard
What GD&T Is
Why GD&T is Important to an Organization
Comparison of Coordinate Tolerancing and GD&T
GD&T Myths
GD&T Definitions and Rules
Datum System
Geometric Controls
Communicating and Protecting Engineering Requirements

Skills and Strategies for Maximizing ROI from Using GD&T

GD&T Skill Levels
Improving Job Performance
Recommended Training
Strategies for Maximizing ROI from Using GD&T

Conclusions

Summary
Questions

