



International Organization for Standardization
Organisation Internationale de Normalisation
Internationale Normenorganisation

ISO/TC 213/SG-GD&T

Study Group on
ISO 1101 & Y14.5

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Date: 2010-01-19

N 2

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Draft Agenda for the 2nd meeting of ISO/TC 213/SG-GD&T

Sunday, 2010-02-07, 13:30h – 18:00h

Austrian Standards Institute
Österreichisches Normungsinstitut
Heinestraße 38, 1020 Wien
VIENNA, AUSTRIA

1. Opening of the meeting (13:30h, 2010-02-07)
2. Roll call of experts
3. Approval of the draft agenda
(Doc. **ISO/TC 213/SG-GD&T N 002**)
4. Discussion of Proposed Study Group assignment

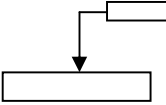
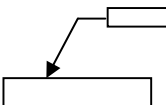
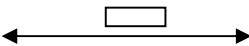
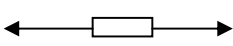
The study group was set up to compare and contrast ISO GPS system (current version) and ASME Y14.5 (2009 edition) for their drawing indications (syntax) and their interpretations (semantics). The study group will produce a document that will map out the gaps and contradictions between these two documents and make possible suggestions for future work.

- Presentation of first **Draft Outline**
- Co-project leaders are: Archie Anderson and Régnald Vincent
- Members are: Iain Macleod, Georg Henzold, Todd Taylor, Michael Dietzsch, Al Neumann, Scott Neumann, Torsten Engelke

5. Discussion of project group and how to proceed with the work.
 - a) Deliverables
 - b) Questions for TC 213
 - c) Other
6. Any other business
7. Arrangements for subsequent meeting
8. Adoption of study group resolutions and the *Executive Summary* (as required)
9. Closure of the meeting (18:00h, 2010-02-07)

DRAFT OUTLINE

Study Group on ISO 1101/Y14.5 COMPARISON OF ISO AND ASME STANDARDS

ITEM	ISO/TC 213	ASME Y14.5	
Projection method	First angle	Third angle	
Fundamental tolerancing principle	Independency	Rule #1	
Indication of GD&T			
Basic dimension indication			
Reading direction	Parallel to dimension line	Always parallel to lower edge of paper	
Standards required	Multiple standards – one subject one standard ISO policy	One standard ASME Y14.5 – 2009	
Application of tolerances	Derived feature	Actual mating envelope	
Terminology	No equivalent term	Boundary, inner	
	No equivalent term	Boundary, outer	
	No equivalent term	Boundary, least material (LMB)	
	No equivalent term	Boundary, maximum material (MMB)	
	No equivalent term	Datum feature simulator (theoretical)	
	No equivalent term	Datum feature simulator (practical)	
	Derived feature		Center point
			Derived median plane
			Derived medial line
		Envelope, actual mating	
	Nominal derived feature	Center point, axis, or center plane	
	Feature: geometrical feature	Feature	
	Integral feature		
	Nominal integral feature		
	Real integral feature		
	Feature of size		Feature of size
			Regular feature of size
		Irregular feature of size	
Real surface of a workpiece	Produced feature		
Extracted integral feature	Extracted feature		
Extracted derived feature	Center point, derived medial		

ITEM	ISO/TC 213	ASME Y14.5
		line, derived median plane
	Associated derived feature	Center point, derived median line, derived median plane
	No equivalent term	Statistical tolerancing
	No equivalent term	Tolerance
	No equivalent term	Tolerance, bilateral
	Tolerance, geometrical	Tolerance, geometric
		Tolerance, unilateral
		True position
		True profile
		Uniform tolerance zone