Care Test
Angularity Tolerance Standard-Compliance Requirements

C = Check for datums
A = Assess the application
R = Review the modifiers
E = Evaluate the tolerance value

Start

C
(1) Is a datum feature reference specified?

A
(2) Is a basic angle shown from the datum plane or axis to the toleranced feature?*

(3) Is the angularity tolerance applied to a planar surface or a feature of size?

R
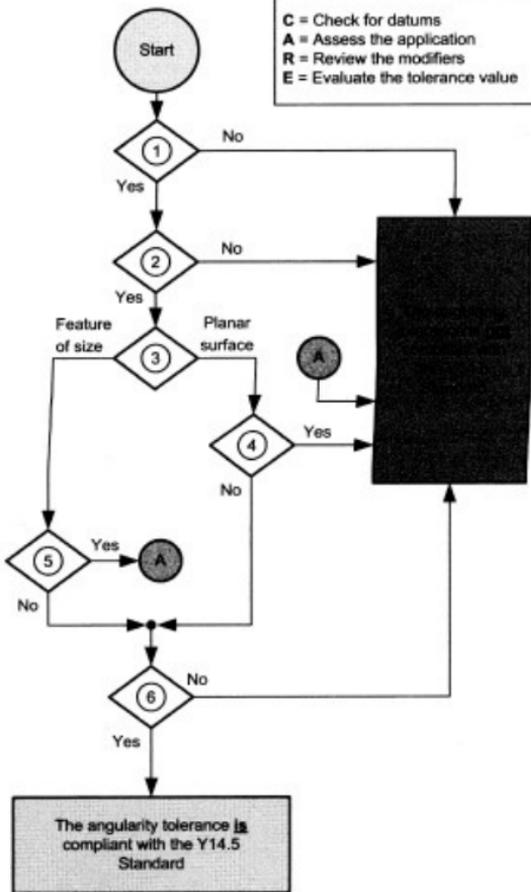(4) Are any of the following modifiers specified?
Ø Ⓛ Ⓜ Ⓟ Ⓣ Ⓤ

(5) Are either of the following modifiers specified?
Ⓣ Ⓤ

E
(6) Is the tolerance value a refinement of other geometric tolerances that indirectly limit the angularity deviation of the surface or feature of size (if applied)?
(e.g., ⌒ ⊥ // ⊕ ⤢)

Feature of size

Planar surface

A

No

Yes

The angularity tolerance **is** compliant with the Y14.5 Standard

* Except where the alternative practice for angularity tolerance is used to control deviations on perpendicular or parallel relationships

Identifies 90–95% of the Common Errors in GD&T Specifications

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FIGURE 19-6 *Test for a Standard-Compliant Angularity Tolerance*