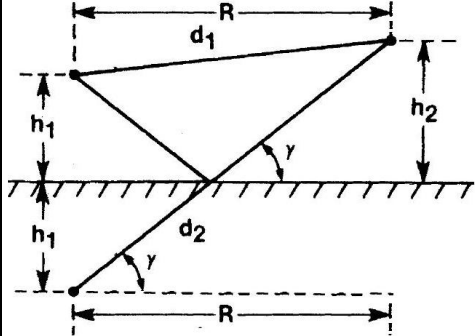


## ANSI-ASC-C63<sup>®</sup> Interpretation Request Form

This form shall be used for submission of Interpretation Requests related to ANSI-IEEE standards that are within the responsibility of ANSI-ASC-C63<sup>®</sup>. The eight parts of the form must be filled out completely, with the exception of the Subcommittee Response, to ensure expedient processing. This completed form is to be submitted to the [Secretary of ANSI-ASC-C63<sup>®</sup>](#) via e-mail.

Submission Date	Originator Name, Company
01/20/2016	Luis Carrion, CENAM

Standard	Clause/ Sub clause	Paragraph Figure/ Table	Type (General/ Technical/ Editorial)	Comment / Inquiry	Subcommittee Response <i>(to be filled in by Subcommittee Chair)</i>
C63.5:2006	Annex A	Equation A.1	Technical	<p>Is the equation for grazing angle correct?</p> $\gamma = \arccos[(h_1 + h_2)/R]$ <p>I have found that when you have <math>(h_1 + h_2) &gt; R</math>, for example, <math>R=3</math> m, <math>h_1=2</math> m and <math>h_2=4</math> m, this equation gives:</p> $\gamma = \arccos(2)$ <p>According to my calculations, gamma should be:</p> $\gamma = \arctan[(h_1 + h_2)/R]$	<p>Yes, thank you for catching this. <math>\gamma = \arctan[(h_1 + h_2)/R]</math> is correct. The ASC C63<sup>®</sup> working group that is preparing a revision to C63.5 was notified about this matter; this change is expected to appear in the next edition of C63.5.</p> $\tan \gamma = \text{rise} / \text{run} = (h_1 + h_2) / R$  <p>NOTE—The next revision of C63.5-2006 also will correct a subequation of Equation (A.1) with change from <math>d_2 = [R^2 + (h_1 - h_2)^2]^{1/2}</math> to <math>d_2 = [R^2 + (h_1 + h_2)^2]^{1/2}</math></p>