



ANSI-ASC-C63[®] 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[®]. 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[®]](#) via e-mail.

Submission Date	Originator Name, Company
05/07/2016	Charles Wang / Champro Technology Co., Ltd.

Standard	Clause/ Sub clause	Paragraph Figure/ Table	Type (General/ Technical/ Editorial)	Comment / Inquiry	Subcommittee Response <i>(to be filled in by Subcommittee Chair)</i>

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C63.4-2014	Annex D D.3 NSA for alternative test site d)		Technical	<p>Read the interpretation form dated on 06/11/2015 for about the NSA measurement on horizontal polarization with one meter test volume (diameter), the response from Subcommittee is not corresponding to the statement in D.3 d). as below.</p> <p>d) If the test volume is no larger than 1 m in depth, by 1.5 m in width, by 1.5 m in height, including table, if used, horizontal polarization measurements need to be made at only the center, front, and rear positions but at both the 1 m and 2 m heights.</p> <p>It is no need to test right and left position if d) is complied, why the answer is not as says in standard? See the attached file.</p>	<p>In ANSI C63.4-2014 Annex D, Section D.3, the first sentence of the sixth paragraph states that: “... The number of required measurements can be reduced under the following circumstances:”</p> <p>This statement is then followed by a list of four circumstances, lettered “a” through “d”, respectively.</p> <p>The posed question, as understood by the committee, is the following: “Why does “circumstance d” not make the answer to the Interpretation Request submitted by Haruki Nakai / AMETEK Co., Ltd. on 11 June 2015 incorrect”?</p> <p>The answer to this question is that the English word “can” denotes a possibility or a capability. It does NOT state or imply a requirement.</p> <p>Thus, if “circumstance d” applies, it is POSSIBLE to omit making left and right horizontal polarization NSA measurements, but it is NOT REQUIRED to omit making those measurements.</p> <p>It should be noted that many Laboratories do NOT take advantage of the opportunity to omit measurement positions when making NSA measurements. There are many reasons for this, including but not limited to: a desire to determine a complete NSA performance of a new or refurbished Semi-Anechoic Chamber, for on-going quality-control purposes, and for the purposes of determining how the use of a particular antenna would affect the NSA performance of a given Semi-Anechoic Chamber</p> <p>In the case of the Interpretation Request submitted by Haruki Nakai / AMETEK Co., Ltd. on 11 June 2015, the question that was asked and answered addressed the geometry that would apply <i>if the Laboratory chose NOT to take advantage of “circumstance d”</i>.</p> <p>Finally, we note that it would have been clearer if the word “may” had been used in the first sentence of the sixth paragraph of Annex D Section D.3 of ANSI C63.4-2014. As stated in Section 1.1 Scope of ANSI C63.4-2014, the word <i>may</i> is used to indicate a recommendation that is at the discretion of the user. This change was made in the soon to be balloted amendment to ANSI C63.4 which is identified as C63.4a.</p>