

Subject: Comment on IEEE.VALUE  
From: Van Snyder

1 **1 Introduction**

2 The IEEE Standard allows a processor to convert a signaling NaN to a quiet NaN if it is involved in an  
3 operation. This compromises the functionality of IEEE.VALUE. The standard should recommend that  
4 producing the function result should not be considered to be an operation.

5 **2 Edits**

6 Edits refer to 06-007. Page and line numbers are displayed in the margin. Absent other instructions, a  
7 page and line number or line number range implies all of the indicated text is to be replaced by associated  
8 text, while a page and line number followed by + (-) indicates that associated text is to be inserted after  
9 (before) the indicated line. Remarks are noted in the margin, or appear between [ and ] in the text.

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**NOTE 14.12a**

It is recommended that the result of IEEE.VALUE is produced in such a way that the processor does not raise IEEE\_INVALID or instantly convert a signaling NaN to a quiet NaN, especially if the reference is an actual argument, an output item, or the *expr* in an assignment statement. Depending upon the processor, this may require avoiding use of floating-point registers.