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ASME STANDARDS COMMITTEE ON VERIFICATION AND VALIDATION IN COMPUTATIONAL SOLID MECHANICS

Leonard E Schwer

*Schwer Engineering & Consulting Services
6122 Aaron Court
Windsor CA 95492
Len@Schwer.net*

The American Society of Mechanical Engineers (ASME) Council on Codes and Standards, at their meeting of 21 Sep 01, endorsed the Charter of the Committee on Verification & Validation in Computational Solid Mechanics:

*To develop standards for assessing the correctness and credibility
of modeling and simulation in computational solid mechanics.*

The Committee reports to the ASME Board on Performance Test Codes (PTC) and the Committee's official title is:

PTC 60 Committee on Verification and Validation in Computational Solid Mechanics

In its role as a standards group, the Committee attempts to represent the views of the computational solids mechanics community. To help achieve this goal, the Committee has undertaken an aggressive program to inform the community of its activities, and solicit feedback.

The purpose of this presentation is to briefly introduce the Committee and its goals, highlight its accomplishments, and present its present activities. Those interested in verification & validation in computational solid mechanics, will be provided with a sense of who the Committee is and what it intends to accomplish through its work.

The Committee has been developing supporting documents of its envisioned *Guidelines for Verification and Validation in Computational Solid Mechanics*. An overview of the proposed guidelines, and a brief review of selected draft documents, will be provided.

Current information about the Committee's activities are available on the Committee's USACM web site: www.usacm.org/vnvcsm/ . You are also invited to subscribe to the Committee's email distribution list (vnvcsm@yahoo.com) to be informed of the Committee's activities, and participate in topical V&V discussions. The ASME web site for the Committee is:

www.CSTools.asme.org/