

Response to SDAA Audit Question

Question Number: A-5.2.1.2-3

Receipt Date: 06/16/2023

Question:

Table 5.2-1 lists Code Case N-883, which is conditioned in RG 1.84 to not be used by a holder of a standard design approval. LO-137055 indicated that a proposed alternative to use N-883 was withdrawn and that a revised submission was anticipated. Please provide a status of the applicant's potential plans for use of this Code Case in light of the letter and the conditions in RG 1.84.

Response:

Per LO-137055, American Society of Mechanical Engineers (ASME) Code Case N-883 is removed from Table 5.2-1. NuScale's Standard Design Approval Application does not use ASME Code Case N-883, and it is deleted from Table 5.2-1 as shown in the attached Final Safety Analysis Report markup.

Markups of the affected changes, as described in the response, are provided below:

Table 5.2-1: American Society of Mechanical Engineers Code Cases

Code Case Number	Title	Revision
N-4-13	Special Type 403 Modified Forgings or Bars, Section III, Division 1, Class 1 and CS	February 2008
N-60-6	Material for Core Support Structures, Section III, Division 1	December 2011
N-759-2	Alternative Rules for Determining Allowable External Pressure and Compressive Stresses for Cylinders, Cones, Spheres, and Formed Heads, Section III, Division 1	January 2008
N-774	Use of 13Cr-4Ni (Alloy UNS S41500) Grade F6NM Forgings Weighing in Excess of 10,000 lb (4,540 kg) and Otherwise Conforming to the Requirements of SA-336/SA-336M for Class 1, 2 and 3 Construction, Section III, Division 1	September 2008
N-782	Use of Code Editions, Addenda and Cases Section III. Division 1	January 2009
N-844	Alternatives to the Requirements of NB-4250(c) Section III, Division 1	February 2014
N-845-1	Qualification Requirements for Bolts and Studs, Section XI, Division 1	April 2016
N-849	In Situ VT-3 Examination of Removable Core Support Structure Without Removal, Section XI, Division 1	September 2014
N-883	Construction of Items Prior to the Establishment of a Section III, Division 1 Owner, Section III, Division 1	January 2018
N-885	Alternative Requirements for Table IWB-2500-1, Examination Category B-N-1, Interior of Reactor Vessel, Category B-N-2, Welded Core Support Structures and Interior Attachments to Reactor Vessels, Category B-N-3, Removable Core Support Structures, Section XI, Division 1	December 2018
N-890	Materials Exempted from G-2110(b) Requirement Section XI, Division 1	October 2018