

DEVELOPMENT OF BASIC TIME-DEPENDENT ALLOWABLE STRESSES FOR CREEP REGIME IN SECTION VIII DIVISION I



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FOREWORD

This document was developed under a research and development project which resulted from ASME Pressure Technology Codes & Standards (PTCS) committee requests to identify, prioritize and address technology gaps in current or new PTCS Codes, Standards and Guidelines. This project is one of several included for ASME fiscal year 2008 sponsorship which are intended to establish and maintain the technical relevance of ASME codes & standards products. The specific project related to this document is project 07-08 (BPVC#7), entitled, “Development of Basic Time-Dependent Allowable Stresses for Creep Regime in Section VIII Division I.”

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ABSTRACT

This report provides recommendations for design rules for very short term loads for which creep should not be a design consideration, termed Occasional Loads herein, and rules for loads for which creep is a design consideration, termed Time Dependent Design Considering Creep.