

GUIDE FOR

BUCKLING AND ULTIMATE STRENGTH ASSESSMENT FOR OFFSHORE STRUCTURES APRIL 2004

NOTICE NO. 3 – January 2018

The following Changes were approved by the ABS Rules Committee on 30 May 2017 and become **EFFECTIVE AS OF 1 JANUARY 2018.**

(See <http://www.eagle.org> for the consolidated version of the Guide for Buckling and Ultimate Strength Assessment for Offshore Structures 2004, with all Notices and Corrigenda incorporated.)

Notes - The date in the parentheses means the date that the Rule becomes effective for new construction based on the contract date for construction. (See 1-1-4/3.3 of the ABS Rules for Conditions of Classification – Offshore Units and Structures (Part 1).)

SECTION 1 INTRODUCTION

(Revise Subsection 1/1, as follows.)

1 General (2018)

The criteria in this Guide are primarily based on existing methodologies and their attendant safety factors. These methods and factors are deemed to provide an equivalent level of safety, reflecting what is considered to be appropriate current practice.

It is acknowledged that new methods and criteria for design are constantly evolving. For this reason, ABS does not seek to inhibit the use of an alternative technological approach that is demonstrated to produce an acceptable level of safety.

The criteria in this Guide is presented in the Working Stress Design (WSD) format, also known as the Allowable Stress (or Strength) Design (ASD) format. Alternative structural design criteria in a Load and Resistance Factor Design (LRFD) format are provided in the *ABS Guide for Buckling and Ultimate Strength Assessment of Offshore Structures (LRFD Version)*.

(Revise Subsection 1/7, as follows.)

7 Gross Scantlings (2018)

The buckling and ultimate strength formulations provided in this Guide are intended to be used along with the gross scantlings of structural components.