

CYS National Annex to CYS EN 1993-1-7:2007

Eurocode 3:

Design of steel structures

Part 1-7:

Plated structures subject to out of plane loading

Prepared by
Eurocodes Committee, Scientific and Technical Chamber
of Cyprus under a Ministry of Interior's Programme



NATIONAL ANNEX

TO

**CYS EN 1993-1-7: 2007 Eurocode 3: Design of steel
structures**

Part 1-7: Plated structures subject to out of plane loading

**This National Annex has been approved by the Board of Governors of the Cyprus
Organisation for Standardisation on 11/06/2010.**

INTRODUCTION

This National Annex has been prepared by the Eurocodes Committee of the Technical Chamber of Cyprus which was commissioned by the Ministry of Interior of the Republic of Cyprus.

NA 1 SCOPE

This National Annex is to be used together with CYS EN 1993-1-7: 2007.

This National Annex gives:

- (a) Nationally determined parameters for the following clauses of CYS EN 1993-1-7: 2007 where National choice is allowed (see Section NA 2):
 - 6.3.2(4)
- (b) Decisions on the use of informative Annexes A, B and C to CYS EN 1993-1-7: 2007 (see Section NA 3).
- (c) References to non-contradictory complementary information to assist the user to apply CYS EN 1993-1-7: 2007 (see Section NA 4).

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 6.3.2(4) Supplementary rules for the design by global analysis

Unless a more sophisticated low cycle fatigue assessment is undertaken, the design value of the total accumulated Von Mises equivalent plastic strain $\varepsilon_{eq,Ed}$ should satisfy the condition

$$\varepsilon_{eq,Ed} \leq n_{eq} \frac{f_y}{E \gamma_{M0}} \quad (2.1)$$

The recommended value of $n_{eq} = 25$ in equation (6.7) shall be used.

NA 3 DECISION ON THE USE OF INFORMATIVE ANNEXES A, B AND C

NA 3.1 Annex A

Informative Annex A may be used.

NA 3.2 Annex B

Informative Annex B may be used.

NA 3.3 Annex C

Informative Annex C may be used.

NA 4 REFERENCES TO NON-CONTRADICTORY COMPLEMENTARY INFORMATION

None

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