

***NATIONAL ANNEX  
TO  
CYS EN 1993-1-7: 2007  
(Including AC:2009)***

***Eurocode 3: Design of  
steel structures***

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



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**TO**  
**CYS EN 1993-1-7: 2007+AC:2009**  
**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 Directors of the  
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## INTRODUCTION

This National Annex has been prepared by the CYS TC 18 National Standardisation Technical Committee of the Cyprus Organization for Standardisation.

### NA 1 SCOPE

This National Annex is to be used together with CYS EN 1993-1-7: 2007+AC:2009. Any reference in the rest of this text to CYS EN 1993-1-7:2007 means the above document.

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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CYS EN  
1993-1-7:2007  
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