Eurocode 3: Design of steel structures
Part 3-1: Towers, masts and chimneys
Towers and masts
Estonian National Annex

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine
Osa 3-1: Tornid, mastid ja korstnad
Tornid ja mastid
Eesti standardi rahvuslik lisa

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

FOREWORD

This document:

— is the Estonian National Annex to the European Standard EN 1993-3-1:2006 “Eurocode 3: Design of steel structures – Part 3-1: Towers, masts and chimneys – Towers and masts”. It includes Estonian Nationally Determined Parameters (NDP) and procedures and it must be used together with EN 1993-3-1:2006 for structural design of constructions built in Estonia;

— was ratified with order nr 129 of the Estonian Centre for Standardisation dated 23.07.2009;

— has been endorsed with a notification published in the August 2009 issue of the official bulletin of the Estonian centre for Standardisation.

The National annex of EVS-EN 1993-3-1 was prepared by Ivar Talvik. This document has been approved by Technical Committee EVS/TK 13 „Ehituskonstruktsioonide projekteerimine“.

The proposition to prepare a national annex was made by EVS/TK 13, it was coordinated by the Estonian Centre for Standardisation.

ICS 91.010.30 Technical aspects, 91.080.10 Metal structures
Price group K

CONTENTS

Annex NA
(informative)
National requirements for Estonia

According to EN 1993-3-1:2006 every country should implement a national annex that might give alternative procedures, values and recommendations for classes with Notes indicating where National choice may be made. National choice is allowed in the following clauses:

- 2.1.1(3)P
- 2.3.1(1)
- 2.3.2(1)
- 2.3.6(2)
- 2.3.7(1)
- 2.3.7(4)
- 2.5(1)
- 2.6(1)
- 4.1(1)
- 4.2(1)
- 5.1(6)
- 5.2.4(1)
- 6.1(1)
- 6.3.1(1)
- 6.4.1(1)
- 6.4.2(2)
- 6.5.1(1)
- 7.1(1)
- 9.5(1)
- A.1(1)
- A.2(1)P
- B.1.1(1)
- B.2.1.1(5)
- B.2.3(1)
- B.2.3(3)
- B.3.2.2.6(4)
- B.3.3(1)
- B.3.3(2)
- B.4.3.2.2(2)
- B.4.3.2.3(1)
- B.4.3.2.8.1(4)
- C.2(1)
- C.6.(1)
- D.1.1(2)
- D.1.2(2)
- D.3(6)
- D.4.1(1)
- D.4.2(3)
- D.4.3(1)
- D.4.4(1)
- F.4.2.1(1)
- F.4.2.2(2)
- G.1(3)
- H.2(5)
- H.2(7)

NA.2.1.1 Basic requirements

(3)P In addition, guyed masts of high reliability (as defined in 2.1.2) shall be designed to withstand the rupture of one guy without collapsing.

NOTE The National Annex may give information on guy rupture. It is recommended to use the guidance given in Annex E.

— *No additional information is given in the Estonian National Annex. The recommended guidance given in Annex E is used.*

NA.2.3.1 Wind actions

(1) Wind actions should be taken from EN 1991-1-4.

NOTE The National Annex may give information on how EN 1991-1-4 could be supplemented for masts and towers. The use of the additional rules given in Annex B is recommended.

— *No additional information is given in the Estonian National Annex. The recommended guidance given in Annex B is used.*

NA.2.3.2 Ice loads

(1) Actions from ice should be considered both by their gravity effects and their effect on wind actions.