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SIA 260:2013 Construction

505 260

Replaces Code SIA 260:2003

Grundlagen der Projektierung von Tragwerken
Bases pour l'élaboration des projets de structures porteuses
Basi per la progettazione di strutture portanti

Basis of Structural Design

260

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CONTENTS

FOREWORD

The present code SIA 260 is directed towards design engineers. Also addressed are owners and those involved in site supervision and the execution of construction works.

SIA 260 is part of the Swiss structural codes. It follows in general the European Standard EN 1990 *Basis of Structural Design*, while at the same time integrating the principles laid down in the code SIA 160 (1989).

The Swiss structural codes comprise the following:
- Code SIA 260 Basis of structural design
- Code SIA 261 Actions on structures
- Code SIA 262 Concrete structures
- Code SIA 263 Steel structures
- Code SIA 264 Composite steel and concrete structures
- Code SIA 265 Timber structures
- Code SIA 266 Masonry
- Code SIA 267 Geotechnical design.

The principles and the procedure for preservation of existing structures are covered by codes SIA 269 and SIA 269/1 to 269/8. New section 0.1.5 points this out explicitly.

With SIA 260 the technical terms “basis of design”, “service criteria agreement” and “structural concept” have been introduced for the first time.

Various terms have been used previously in Switzerland but were defined for the first time within the framework of the Swiss structural codes, e.g. “capacity design”, “conceptual design”, “configuration”, “deformation capacity”, “ductility”, “integration” and “observational method”.

With the partial revision, the term “defect” has been modified and the term “service life” has been introduced, to be compatible with the series of codes SIA 269. Furthermore, the term “non load-bearing components” has been removed from the structural codes, because each structural member carries at least itself and normally also wind and seismic forces.

Commission SIA 260

Abbreviations of the organisations represented in the Commission SIA 260

Empa	Swiss Federal Laboratories for Materials Science and Technology
EPFL	Swiss Federal Institute of Technology, Lausanne
FEDRO	Federal Roads Office
FOT	Federal Office of Transport

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Approval and validity

The SIA's central committee for codes approved the present code SIA 260 on 4th of June 2013.

It is valid as from 1st of August 2013.

It replaces the code SIA 260 *Basis of Structural Design*, edition 2003.