

Replaces together with the Codes SIA 197 and SIA 118/198 the Code SIA 198, Edition 1993

Constructions souterraines – Execution

Costruzioni sotterranei – Esecuzione

Untertagbau – Ausführung

# **Underground Structures Execution**

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*Text in figures is normally not translated.  
The German original is used instead.*

## FOREWORD

The previous Code SIA 198 *Underground Construction* (1993) was divided into two parts dealing with organisational and technical aspects, respectively. The Code SIA 198 has been revised to be compatible with the regulations produced by the European Committee for Standardization, which envisages a strict separation of technical requirements and contract conditions.

The present Code SIA 198 *Underground Structures – Execution* is directed towards engineers involved in site supervision and construction work. Also addressed are principals (owners and operators) and design engineers.

The technical requirements of the previous Code, which proved its usefulness as a basis for tendering and for labour/materials contracts in underground construction, have been largely retained; new technical knowledge has been taken into account and requirements that were previously missing, above all concerning methods of advancing the tunnel and geotechnical measures, have been added.

The organisational requirements for the tendering and construction of underground structures are now included in the Code SIA 118/198 – General conditions for underground construction.

The basis for the design of traffic tunnels is provided by the Code SIA 197 *Design of Tunnels – Basic Principles*, while specific questions relating to the design of rail and road tunnels are treated in the Codes SIA 197/1 *Design of Tunnels – Rail Tunnels* and SIA 197/2 *Design of Tunnels – Road Tunnels*, respectively.

Commission SIA 198

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Represented organizations in the Commission SIA 198

ASTRA Federal Roads Office (FEDRO)

BAV Federal Office of Transport (FOT)

BUWAL Federal Office for the Environment (FOEN)

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## **Acceptance and coming into force**

The central committee for codes and regulations accepted the present Code SIA 198 on 26 August 2004.

It comes into force on 01/10/2004.

It replaces together with the Codes 197 and 118/198 the Code SIA 198 *Untertagbau* of 1993.

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