

Commission 10 – Model Codes

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Terms of reference

Background and scope

A central aspect within the mission of the *fib* is the release of model codes on concrete structures and related subjects. These codes should serve worldwide as the guiding science-

based documents offering in a code-type version the state of the art knowledge on the planning, design, construction, execution, operation or in service performance, maintenance, rehabilitation and dismantlement of new and existing concrete structures, respectively. The model codes should meet the latest requirements and technologies in view of aspects related to safety, serviceability, durability, resilience and to fulfill the resilience and sustainability of structures, recognising economic and aesthetic needs of different societies.

On this background COM10's mission consists of initiating and surveying the work on new model codes within its Task Groups and in coordinating the ongoing work, both based on existing experience and new developments in the field of concrete structures and structural materials. This mission necessitates the organization of meetings and workshops at different places of the world in order to gather the latest scientific knowledge, new ideas and visions and to actively involve the worldwide technical society.

Workflow and timeline

Commission 10 starts its work in 2016. Its first Task Group is TG 10.1 "Model Code 2020 (MC2020)", which began its work also in 2016. MC2020 is considered as the overarching model code for concrete structures. Further task groups within COM10 may be established when necessary and/or opportunity arises to cover additional or special areas of interest. In due course, a new task group may be established to tackle work on an updated version for the existing Model Code and to include subjects which could not yet be finalized for this existing Model Code. A continuous process in developing and releasing new model codes, which include up-to-date knowledge and code-type regulations, should be achieved by this Commission.

Collaboration with other groups

All *fib* commissions have to contribute to COM10's work. The principle of collaboration is a bottom-up and top-down process within a framework established by the Commission. In view of the work of the task group(s) of COM10 it is necessary that all other task groups within COM1 through COM9 produce new documents on the latest knowledge related to their particular area, which will serve as the input for the work on the new model codes.