Subject to priorities defined by the Technical Council and the Presidium, the results of *fib*'s work in Commissions and Task Groups are published in a continuously numbered series of technical publications called 'Bulletins'. The following categories are used:

category	minimum approval procedure required prior to publication
Technical Report	approved by a Task Group and the Chairpersons of the Commission
State-of-Art Report	approved by a Commission
Manual, Guide (to good practice) or Recommendation	approved by the Technical Council of <i>fib</i>
Model Code	approved by the General Assembly of fib

Any publication not having met the above requirements will be clearly identified as preliminary draft. This Bulletin N° 40 was approved as an *fib* Technical Report by Task Group 9.3 in July 2007.

This report was drafted by a working party of Task Group 9.3, FRP (Fibre Reinforced Polymer) reinforcement for concrete structures, in Commission 9, Reinforcing and prestressing materials and systems. The following authors were:

- chapter co-ordinators:

Chris J. Burgoyne ² (Cambridge Univ., United Kingdom), Ewan Byars ¹ (Univ. of Sheffield, United Kingdom), Maurizio Guadagnini ⁶ (Univ. of Sheffield, United Kingdom), Gaetano Manfredi ^A (Univ. of Naples, Italy), Kyriacos Neocleous ^{4,8,8} (Univ. of Sheffield, United Kingdom), Kypros Pilakoutas ^{1,4,5,6,7,8,A,B} (Univ. of Sheffield, United Kingdom), Luc Taerwe ¹ (Ghent Univ., Belgium), Nicolae Taranu ² (TU Iasi, Romania), Ralejs Tepfers ⁷ (Ralejs Tepfers Consulting, Sweden), André Weber ³ (Schöck Bauteile GmbH, Germany)

- and/or significant contributors:

Raed Al-Sunna ⁵ (Univ. of Sheffield, United Kingdom), Chris J. Burgoyne ³ (Cambridge Univ., United Kingdom), Sotiris Demis ³ (Univ. of Sheffield, United Kingdom), Douglas Gremel ⁴ (Hughes Brothers, USA), Maurizio Guadagnini ^{1,4,5,7,8,B} (Univ. of Sheffield, United Kingdom), Gaetano Manfredi ^{5,7,8} (Univ. of Naples, Italy), Kyriacos Neocleous ¹ (Univ. of Sheffield, United Kingdom), Carlos E. Ospina ^{5,6} (Berger/Abam Engineers Inc.), Marisa Pecce ⁵ (Univ. of Sannio, Italy), Kypros Pilakoutas ^{2,3} (Univ. of Sheffield, United Kingdom), Andrea Prota ⁵ (Univ. of Naples, Italy), Andreea Serbescu ² (Univ. of Sheffield, United Kingdom), Peter Sheard ³ (Eurocrete Ltd., United Kingdom), Harsha Sooriyaarachchi ^{4,7,A} (Univ. of Sheffield, United Kingdom), Luc Taerwe ^{4,5,8} (Ghent Univ., Belgium), Vitauts Tamuzs ^{2,3} (Riga Technical Univ., Latvia), Ralejs Tepfers ^{3,7} (Ralejs Tepfers Consulting, Sweden), André Weber ² (Schöck Bauteile GmbH, Germany)

Other contributors:

Peter Bischoff (Univ. of New Brunswick, Canada), Valter Dejke (IFP Research AB, Sweden), Stijn Matthys (Ghent Univ., Belgium), Marco Pisani (Univ. of Milan, Italy), Lluis Torres (Univ. of Girona, Spain)

Full address details of Task Group members may be found in the *fib* Directory or through the online services on *fib's* website, www.fib-international.org.

Cover photo: Casting of a FRP reinforced bridge deck. Top left insert: close-up of FRP reinforcing cage of a guideway for an urban light transport system. Bottom left insert: samples of FRP reinforcing bars.

© fédération internationale du béton (fib), 2007

Although the International Federation for Structural Concrete *fib* - féderation internationale du béton - does its best to ensure that any information given is accurate, no liability or responsibility of any kind (including liability for negligence) is accepted in this respect by the organisation, its members, servants or agents.

All rights reserved. No part of this publication may be reproduced, modified, translated, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission.

First published in 2007 by the International Federation for Structural Concrete (fib)

Postal address: Case Postale 88, CH-1015 Lausanne, Switzerland

Street address: Federal Institute of Technology Lausanne - EPFL, Section Génie Civil

Tel +41 21 693 2747 • Fax +41 21 693 6245 fib@epfl.ch • www.fib-international.org

ISSN 1562-3610

ISBN 978-2-88394-080-2

Printed by Sprint-Digital-Druck, Stuttgart

^{1,2,...} chapters in which the author was involved as coordinator or contributor.