



INTERNATIONAL COUNCIL FOR RESEARCH AND INNOVATION IN BUILDING AND CONSTRUCTION

# INFORMATION

May 2005

## Around the Task Groups and Working Commissions

### TG60 – Critical Infrastructure Protection

## Introducing the New Joint Coordinators



Jack Bramwell

Matti Kokkala

*During its latest meeting that took place on March 8 2005 in Madrid, Spain, the CIB Program Committee (PC) appointed Matti Kokkala VTT, Finland and Jack Bramwell as the Joint Coordinators of the new TG60 on "Critical Infrastructure Protection".*

*A News article announcing the launch of TG60 is available from [here](#).*

*Below follow short CVs of both Coordinators as well as their joint statement on the future activities of TG60.*

#### **Short CV Prof. Kokkala**

Matti Kokkala has a PhD in Technical Physics from Helsinki University of Technology (1982) and an Executive MBA from Helsinki School of Economics (2003).

He started his research career at the Low Temperature Laboratory of Helsinki University of Technology working on applications of superconducting magnets. He then moved to VTT Technical Research Centre of Finland to do fire research. Fire research topics have included detection, suppression, reaction to fire, and recently, the development of performance-based concepts in fire safety engineering. Since 1986 he has held the position of Research Professor of Fire Technology.

In 1984 - 85 Matti spent a year as a Guest Worker at NBS in Gaithersburg and later in 1990 two months at the Fire Research Institute in Japan. Throughout the 1990's he was very active in international committees, for example as Coordinator of CIB W014 on "Fire", in the ISO/TC92 Working Groups on Fire Safety



Engineering, and in the International Association of Fire Safety Science.

In 2000 he was assigned to the position of Research Manager of Building physics, Building Services and Fire Technology and after VTT's reorganization in 2001 moved to the position of Research Manager of Structures and Building Services of the newly formed institute VTT Building and Transport. The research groups under his responsibility cover such fields of engineering and technology as structural engineering, acoustics, geo-techniques, road construction, technical building services (HVAC), and environmental engineering.

Since the beginning of 2005, Matti has held also the position of Research Director at VTT Building and Transport with responsibility to lead the strategic research programs of the institute. He has also been actively involved in joining the forces of the whole VTT to better serve the customers and the society in the field of security research, including research done for protecting critical infrastructure.

### Short CV Mr. Jack Bramwell

Jack Bramwell has diplomas in Surveying (1977) and Business Administration (1992) as well as a Master in Building Economic (1998).

Jack has a strong background in building regulatory policy development and analysis, supported by building industry experience. His interest in CIP-BE was sparked by his involvement in the Expert Advisory Group that forms part of the Australian Trusted Information Sharing Network.

From 1974 to 1982, Jack worked on development of residential and commercial buildings. From 1983 to 1987, he was a Municipal Building Surveyor. From 1988 to 1998, he worked as a Part time lecturer in building studies. During the period 1987 to 1995, Jack was a Manager (Research and Development) at the Department of Infrastructure (Victoria, Australia), where he worked on R&D of Building Regulations, RIS for major regulative changes and Policy frameworks for building control issues including practitioner accreditation, energy efficiency and coordination of approval authorities.

From 1995 to 2002, Jack was a Manager at the Department of Industry Science and Resources of the Australian Building Codes Board (ABCB).

In 2002-2003 Jack Bramwell was the Program Manager for the EU Thematic Network PeBBu (Performance Based Building Codes Board) managed by CIBdf in Rotterdam, the Netherlands.

Since November 2003, Jack is back at the ABCB where he works on Protection of intellectual property,

Economic Evaluation Model (Building Regulatory Change), Building access for people with disabilities and Building in bushfire prone areas.

### Coordinator's Statement

#### *What is CIP-BE?*

Critical infrastructure in the built environment are those physical facilities, supply chains, information technologies and communication networks which, if destroyed, degraded or rendered unavailable for extended period, would significantly impact on the social or economic well-being of the nation or affect its ability provide national security.

#### *Rationale for TG60*

In the wake recent world events, many nations have established programs to better protect their critical infrastructure against various forms of attack. There are some international networks that focus on specific threats (e.g. earthquake, terrorism) and specific infrastructure (e.g. electricity) but there is great opportunity for international collaboration on an "all-hazards" approach to critical infrastructure protection.

The existence of interdependencies between critical infrastructure, for example the electrical supply systems and telecommunication networks, adds weight to the call for this broad based Technical Group. The group will bring together experts from natural disaster, emergency management, infrastructure providers, government and academia to explore these interdependencies.

To be effective, the TG must narrow the scope. This will be an initial consideration for the group. The focus is on built assets that are fundamental to the functioning of an economy or society. Further, preference will be given to collection and analysis of information that has general applicability rather than pertaining to a specific national program. Cyber-security and critical infrastructure information protection (CIIP) have emerged as a related but distinct field. This TG will deal more with protection of built assets. Further, it can be argued that CIP is only relevant where most other elements of the built environment are in tact. Therefore, the emphasis should be on protecting infrastructure from events that would not also destroy a whole city or region.

#### *Connection to CIB Priority Themes*

This TG adds another dimension to the CIB priority theme of sustainable construction. CIB Agenda 21 recognizes that the scope and focus of sustainability changes over time - critical infrastructure protection is one such change. Replacement of critical infrastructure, if it is destroyed, is not only a burden on limited natural and financial resources but adversely affects the health and welfare of a nation.



## Invitation to Participate

TG60 seeks additional members. If you or your organization has an interest in this topic then please forward your details to CIB ([secretariat@cibworld.nl](mailto:secretariat@cibworld.nl)) or to one of the coordinators:

Matti Kokkala at [matti.kokkala@vtt.fi](mailto:matti.kokkala@vtt.fi) or

Jack Bramwell at [jack.bramwell@abcb.gov.au](mailto:jack.bramwell@abcb.gov.au)

## Additional Information

You can find more information on the activities of CIB TG60 at [www.cibworld.nl](http://www.cibworld.nl)

Search under Databases/CIB Commissions. Click on Commissions and type TG60 in the search field.