

W085 - Structural Serviceability

Proposed Work Programme

Recently appointed W085 Coordinator Dr. R.H. Leicester has announced his plans for the Commission's Work Programme over the coming two years. These are now in the hands of the Commission's membership for consideration and comment.

Bob Leicester notes that the main attraction of belonging to W085 is to profit from the opportunity for exploring and exchanging information related to specialist aspects of structural serviceability.

However in putting his Work Programme together he has taken into consideration certain recent developments within CIB concerning uptake by the Commissions and Task Groups of three defined proactive agenda items.

It is the second of these which he sees as being of most direct relevance to W085, i.e. Performance Based Building. One aspect of this is In-Service Performance, a topic that includes Structural Serviceability.

Below are his proposed plans for W085 for the years 2000 and 2001.

1. MAJOR REPORT: STRUCTURAL SERVICEABILITY: STATE-OF-THE-ART

- Overview of Serviceability
 - performance-based CIB working groups
 - performance-based codes and standards
 - performance applications (structural, fire, air quality etc.)
- Components of Structural Unserviceability
 - building systems (floors, walls, etc.)
 - sources of human impacts (visual, sound, physiological etc.)
 - degrees of human impact (perception, annoyance, discomfort, fear, etc.)
- Influence of non-structural parameters
- Methods of verification (test, computations, etc.)
- Social impacts
- Economic impacts
- Models for performance specifications
 - levels of unserviceability
 - cost optimisation
 - acceptance criteria

2. COMPENDIUM OF CURRENT CRITERIA FOR STRUCTURAL UNSERVICEABILITY

3. SPECIALIST TOPICS IN UNSERVICEABILITY

(Based on the current interests and expertise of W085 Members, the policy should be to select a limited number of specialist topics, and to aim to publish brief state-of-the-art monograms thereon.)

Proposed Meeting Programme

As regards future meetings, Bob Leicester's idea is that these should be rotated among the three global zones: Europe, North America and the Rest of the World.

The aim should be to follow up each Workshop with a technical publication (in limited edition) featuring the papers that had been presented.

The proposed schedule is:

- CIB Workshop, 25-26 May 2000, Helsinki, Finland
Chosen to line up with the ILCDES 2000 Conference on 22-24 May.
- CIB Workshop, 7-8 August 2000, Vancouver, Canada
Chosen to line up with WCTCE 2000 at Vancouver on 31 July-3 August.
- International Conference on Serviceability, 29-30 March 2001, Wellington, New Zealand
Chosen to line up with the CIB World Building Congress 2001, on 3-6 April 2001 at Wellington, New Zealand. Members should stay on for the Congress to present the draft document on Structural Serviceability in a Performance Based Format to the Congress.
- CIB Workshop, September 2001, Europe
To finalise the state-of-the-art Document at this Workshop.

Contact Addresses

To take account of travel difficulties, Bob Leicester envisages much of the work being executed by e-mail and in this connection he points W085 members to the following very useful web site:

The Congress in 2001: <http://www.branz.org.nz/cib/>

His contact data are:

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