



1 Introduction

The NSAI CSCC and its expert subgroups; the Concrete, Masonry and Aggregates Panels, are voluntary committees representing a broad range of interests within the concrete sector.

The CCC meets between three and four times per year, with the expert subgroups meeting as dictated by individual project needs.

The main interests of the committee are best summarised through the following technical sectors

- Cement and Lime
- Concrete
- Precast Concrete
- Masonry
- Aggregates (for concrete)

2 Scope

- To advise NSAI on Irish Standards and/or Codes of Practice necessary for products and processes in the area of concrete and related products
- To draft any such documents, or proposing amendments to existing Standards / Codes of practice as necessary
- To provide commentary on drafts of proposed European Standards (EN) and International Standards (ISO)
- To draw up National Annexes / National Forewords to relevant European standards where such may be required
- To provide representation, where appropriate, to related European and International Standards Bodies Technical Committees / Working Groups

3 Highlights 2010

1. Publication of Irish National Annexes to Eurocode 2 (Design of Concrete Structures) and Eurocode 6 (Design of Masonry Structures)

2010 saw the deadline for national standards bodies having the European structural design standards (Eurocodes) available for use. While this project was managed under the auspicious of the National Eurocodes Advisory Committee, the technical lead for both Eurocode2 (design of concrete structures) and Eurocode 6 (design of masonry structures) was provided through the CSCC Concrete and masonry subgroups.

2 Revision of the Irish National Annex to I.S. EN 206-1 (Concrete – Part 1: Specification, Performance, Production and Conformity)

The revised national annex to I.S. EN 206-1 was published by NSAI in June 2010. This publication was the culmination of almost 18 months of detailed technical deliberations which required close collaboration between the NSAI Concrete Standards Consultative Committee and the Irish Concrete Society.

In summary the brief for this revision to the national annex included the requirement to

- Recommend additional proposals for durability requirements for structures with different design lives (e.g. buildings, bridges and similar structures); having considered concrete cover guidance set out in I.S. EN 206-1 and I.S. EN 1992-1-1 and taking into account implications for changes to cover from current practice.
- Align the indicative strength classes in Eurocode 2 (I.S. EN 1992-1-1(Annex E)) with the guidance established in the national annex to I.S. EN 206-1.

3. Publication of Irish national annexes to harmonized European standards in the concrete sector

While undertaken under the auspicious of another NSAI Committee, CSCC members made significant contribution to the development of 25 Irish national annexes to adopted European harmonized standards. This project served to enable a large number of European standards to be fully implemented at a national level, while also facilitating the required withdrawal of a number of corresponding indigenous Irish standards. These adopted European standards (with accompanying Irish national annexes) will now form integral part of the revised Technical Guidance Document A (Structure) soon to be published by the Department of Environment for public consultation.

4 Developments 2011

1 Revision to I.S. 325 (Code of practice for use of masonry)

This project is being undertaken through the masonry subgroup where it will serve in providing non-contradictory complimentary information to support the use of Eurocode 6 in Ireland. Again, this standard will comprise part of the standards infrastructure supporting a revised TGD A.

2 The development of an Irish National Annex to I.S. EN 13670 (execution of concrete structures)

This standard provides common requirements for execution of concrete structures and applies to in-situ and construction using prefabricated concrete elements.

5 International Participation

The standards development activities of the CSCC also have a significant international dimension. At European level, several members of the committee are in regular attendance at CEN Technical Committee and expert Working Group meetings. Specifically, the work programmes of the following CEN technical committees are continuously monitored. During 2010 Ireland was represented by CSCC members at CEN TC 51 and CEN TC 104.

- CEN TC 51 Cement and Lime
- CEN TC 104 Concrete and related Products
- CEN TC 125 Masonry
- CEN TC 154 Aggregates
- CEN TC 178 Paving blocks, Flags and Kerbs
- CEN TC 229 Precast Concrete

6 Committee Membership 2010

Concrete Standards Consultative Committee

Martin Mannion Chairman	Dept. of Civil, Structural and Environmental Engineering .CIT (Retired)
Barry Smith Technical Secretary	NSAI, Standards Development
Richard Bradley	Irish Cement
Michael Byrne	Roadstone Dublin Ltd.(Retired)
Rosemary Byrne	Cemex
Malachy Dolan	Consultant
Mark McAuley	Buildings Material Federation (BMF) / IBEC
Thomas Holden	Roadstone Dublin Ltd.
Noel Kane	Thomas Garland & Partners
Brendan Lynch	Irish Cement Ltd(Retired)
Seoirse Mac Craith	Dept. of Civil Engineering. UCD (Retired)
Dr. Ciaran McNally	School of Architecture, Landscape and Civil Engineering. UCD
Ken McAvoy	Ecocem
Justin Molloy	Construction Industry Federation
Sarah Neary	Department of Environment, Heritage & Local Government
Fergal O'Byrne	NSAI, Manager - Client Services
Brian O'Rourke	Dept. of Civil, Structural and Environmental Engineering .CIT
Peter Seymour	Ecocem
Liam Smyth	Irish Concrete Federation
Eamon Stack	Banagher Concrete
Dr.Roger West	Department of Civil, Structural and Environmental Engineering. TCD
John Wickham	Department of Environment, Heritage & Local Government
Martin Wills	Irish Cement
Brendan Lynch	Irish Cement Ltd.(Retired)

Aggregates Panel

Michael Byrne Chairman	Roadstone Dublin Ltd. (Retired)
Barry Smith Technical Secretary	NSAI, Standards Development
Dermot mc Carthy	Roadstone
Cathal MacMathuna	Consultant
Liam Smyth	Irish Concrete Federation
John Wickham	Department of Environment, Heritage & Local Government

Concrete Panel

Barry Smith Technical Secretary	NSAI, Standards Development
Eamonn Cannon	NUI Galway
Phelim Devine	Arup Consulting Engineers
Brendan Lynch	Irish Cement Ltd.(Retired)
Cathal MacMathuna	Consultant
Sarah Neary	Dept. of Environment, Heritage & Local Government
Liam Smyth	Irish Concrete Federation
Dr Roger West	Dept. of Civil, Structural and Environmental Engineering TCD
John Wickham	Department of Environment, Heritage & Local Government

Masonry Panel

Noel Kane Chairman	Thomas Garland & Partners
Barry Smith Technical Secretary	NSAI, Standards Development
Domhnall Blair	Roadstone Dublin (Retired)
John Gallagher	Office of Public Works
Thomas Holden	Roadstone Dublin Ltd.
Seoirse MacCraith	Dept. of Civil Engineering. UCD (rtd.)
Finbar McSweeney	Arup Consulting Engineers (rtd.)
Sarah Neary	Dept. of The Environment, Heritage & Local Government
Michael O'Grady	Homebond
Terry Sheehan	Michael Punch & Partners
Liam Smyth	Irish Concrete Federation
John Wickham	Department of Environment, Heritage & Local Government