



ANNUAL REPORT 2022

NSAI TECHNICAL COMMITTEES
NSAI/TC 153 AGGREGATES COMMITTEE

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1 Chairman's Statement

Following the publication in 2021 of S.R. 18 (Guidance on the use of I.S. EN 13139:2002 - Aggregates for mortar) the Chairman of the Aggregate Panel, Michael Byrne retired after many years involved in various committees and roles within the NSAI. As Michael's successor I want to thank him for providing so much of his time and expert knowledge to the standardisation work which is so vital to the construction sector in this country.

Since then, one of the main focuses of the Aggregates Committee has been in liaising with CEN/TC 154 with regard to the long overdue revision of I.S. EN 12620 (Aggregates for concrete), I.S. EN 13043 (Aggregates for bituminous mixtures), I.S. EN 13139 (Aggregates for mortar) and I.S. EN 13242 (unbound aggregates).

It is proposed that these four product standards are to be amalgamated by CEN into one standard - EN 17555 (Aggregates for construction works). As national provisions are strictly bound by the contents of the parent ENs, the final make up of EN 17555 is of great importance, not least because some aggregate properties deemed to be of significance by the Aggregate Committee (e.g. geology/petrography) are not adequately covered by the existing aggregate product standards. The Aggregate Committee has made progress over the past few years in persuading CEN/TC 154 to take such matters into consideration and will continue to do so in the immediate future.

In the meantime, the committee has been tasked with reviewing/revising S.R. 16, S.R. 17, S.R. 21 and I.S. 888.

Work is currently underway on the review of S.R. 16 which has been prioritised following a Government Decision (November 2021) directing NSAI to carry out a review of national documents relating to concrete blocks and the defective concrete blocks scheme.

In this regard, the Aggregate Committee is represented on, and participates in the deliberations of, NSAI Technical Committee NSAI/TC 73 (Defective Concrete Blocks Steering Group).

Finally, many thanks to the members of the Aggregate Committee for their continued commitment to standards development over the past few years.

Cathal Mac Mathúna

Chair of NSAI Aggregate Committee NSAI/TC 153

2 Introduction

NSAI/TC 153 Aggregates Committee is a National Consultative Committee which advises the NSAI on standards for aggregates. Previously this committee existed as a Working Group under the Roads committee NSAI/TC 017/WG02 but was set up as a standalone technical committee in May 2022.

NSAI facilitates national experts to participate in international standards development work in the area of aggregates. The national technical bodies "mirror" the relevant CEN (European Committee for Standardization) technical committees, see 4.1 for the structure of the Aggregates Committee and the relevant CEN technical bodies mirrored at national level.

The NSAI Aggregates committee monitor, comment and vote on draft standards being developed at CEN level and are also responsible for developing indigenous Irish Standards and guidance documents to the CEN standards adopted as Irish Standards on publication. A number of Irish experts on the Aggregates Committee also participate as Members of relevant CEN technical committees.

The majority of national and international work progressed online in 2022, with hybrid meetings scheduled at occasions, see section 5 for a summary of national and CEN meetings attended by Irish experts in 2022.

3 Scope of TC

The purpose of NSAI/TC 153 Aggregates Committee is;

1. To advise the NSAI regarding Irish Standards, Codes of Practice and guidance documents concerning standards relevant to aggregates including for concrete, bituminous mixtures, road materials and hardcore fill for use under concrete floors.
2. To draft appropriate documentation including Standards, Codes of Practice, Amendments, and relevant guidance documents.
3. To advise NSAI on how to vote on draft European and International Standards.
4. To ensure that relevant interested parties are consulted in the drafting of Standards, Codes of Practice, guidance documents and on voting on draft European and International Standards where applicable.
5. To liaise with similar bodies in other EU countries and in particular CEN (European Committee for Standardisation) and ISO (International Organisation for Standardisation), where relevant.

Details of the CEN technical committee and its operational Working Groups tracked by members are provided in Table 1.

Committee Name	Committee Title
CEN/TC 154	Aggregates
CEN/TC 154/SC 1	Aggregates for concrete, mortar and grouts
CEN/TC 154/SC 3	Bituminous bound aggregates
CEN/TC 154/SC 4	Hydraulic bound and unbound aggregates
CEN/TC 154/SC 5	Lightweight Aggregates
CEN/TC 154/SC 6	Test methods
CEN/TC 154/WG 10	Armourstone
CEN/TC 154/WG 11	Railway ballast
CEN/TC 154/WG 12	Aggregates from secondary source
CEN/TC 154/WG 13	Dangerous substances

Table 1 - CEN Technical Committee and Working Groups

The scope of CEN/TC 154 is defined as;

Standardization in the field of natural, recycled and manufactured aggregates, by specifying aggregate performance characteristics, sampling and methods of test.

4 Structure and Membership

4.1 Structure

NSAI/TC 153 is a standalone technical committee with no working groups or subgroups currently reporting to it.

4.2 Organisations represented on the Aggregates Committee

Organisations represented on NSAI/TC 153 in 2022
Arup
Irish Cement
Breedon Group
Kilsaran
TJ O'Connor & Associates
Transport Infrastructure Ireland
Department of Housing, Local Government and Heritage
JB Barry & Partners
Construction Industry Federation
Fastnet Analytical
Environmental Protection Agency
Roadstone
SLR Consulting
Chartered Institute of Waste Management
Geological Survey Ireland
Integrated Materials Solutions
National Building Control Office
IGSL
Smart Testing
Homebond
Beauparc
JFT Testing
Mattest
MTS Ltd
Walshetown Restoration

5 Summary of 2022 Activities

5.1 Meetings

5.1.1 National meetings

	Meeting	Date
1.	NSAI/TC 017/WG 02	16/02/2022
2.	NSAI/TC 017/WG 02	08/03/2022
3.	NSAI/TC 017/WG 02	10/05/2022
4.	NSAI/TC 153	13/06/2022
5.	NSAI/TC 153 (S.R. 16)	20/06/2022
6.	NSAI/TC 153 (S.R. 16)	21/06/2022
7.	NSAI/TC 153 (S.R. 16)	22/06/2022
8.	NSAI/TC 153 (S.R. 16)	12/07/2022
9.	NSAI/TC 153 (S.R. 16)	18/07/2022
10.	NSAI/TC 153 (S.R. 16)	20/07/2022
11.	NSAI/TC 153 (S.R. 16)	03/08/2022
12.	NSAI/TC 153 (S.R. 16)	29/08/2022
13.	NSAI/TC 153 (S.R. 16)	30/08/2022
14.	NSAI/TC 153 (S.R. 16)	22/09/2022

15.	NSAI/TC 153	06/10/2022
16.	NSAI/TC 153 (S.R. 16)	13/10/2022
17.	NSAI/TC 153 (S.R. 16)	19/10/2022
18.	NSAI/TC 153 (S.R. 16)	10/11/2022
19.	NSAI/TC 153 (S.R. 16)	01/12/2022

5.1.2 International meetings attended.

Irish experts attended the following meetings in 2022:

CEN Technical body	CEN Meetings 2022 – ALL VIRTUAL
CEN/TC 154 Aggregates	19 th May 2022, SC1, SC3, SC4 18 th and 19 th October 2022 Plenary

5.2 National Work

Committee	Work Item
NSAI/TC 153	-Revision of S.R. 16 Guidance on the use of I.S. EN 12620:2002+A1:2008 - Aggregates for concrete. -Continued input at national level into relevant standards development work in CEN/TC 154 with particular attention to the drafting of prEN 17555 Aggregates for construction works.

5.3 National/ International Standards/ballots Reviewed and votes submitted

Committee	Ballot	NSAI Vote submitted
CEN/TC 154	FprEN 932-3	ABSTAIN
	FprEN 1097-7	ABSTAIN
	FprEN 933-5	ABSTAIN
	FprEN 933-6	ABSTAIN
	EN 13179-2:2000	ABSTAIN
	EN 1367-3:2001	ABSTAIN
	EN 1367-5:2011	ABSTAIN
	EN 1744-5:2006	ABSTAIN
	EN 1744-6:2006	ABSTAIN
NSAI/TC 153	CIB Systematic Review of I.S. 888:2016	ABSTAIN
	CIB Systematic Review of S.R. 16:2016	REVISE
	CIB Systematic Review of S.R. 17:2004	REVISE

	CIB Systematic Review of S.R. 21:2014	REVISE
	CIB National Foreword to I.S. EN 12620:2002	CONFIRM
	CIB Research Proposal – Fines Content S.R. 16	APPROVE

6 Irish Publications

A new National Foreword was included in I.S. EN 12620:2002+A1:2008 to direct readers to S.R. 16 Guidance on the use of I.S. EN 12620:2002+A1:2008 - Aggregates for concrete.

7 Work programme for 2023 onwards

Committee	Work Programme
NSAI/TC 153	<p>-A revised version of S.R. 16 Guidance on the use of I.S. EN 12620:2002+A1:2008 - Aggregates for concrete is due to be published in Q4 2023.</p> <p>-Following publication of S.R. 16, the Aggregates Panel will programme the revision of S.R 17, S.R. 21 and I.S. 888 which have all been highlighted as requiring revision following Committee Internal Ballot and public consultation periods held in 2022.</p> <p>-Continued input/participation into relevant standards development work in CEN/TC 153 Aggregates and in particular the development of prEN 17555 which aims to incorporate EN 13143, EN 12620, EN 23242 and EN 13139 into one standard. This work has been delayed awaiting progress on the CPR acquis process in relation to Aggregates.</p> <p>-The Aggregates Panel will continue to monitor and input into the related ballots opened at international committee level.</p>