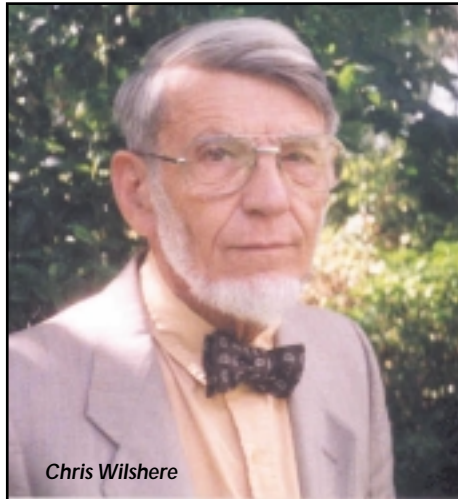


What Standards?

We're not talking about Uprights here, we are thinking about the BSI (British) and CEN (European) Temporary Works Standards, relevant to our Industry which we should be at least aware of and which seem always to be in transition or under review.

In this issue, we introduce to you Chris Wilshere, a highly respected member of our Committee who chairs the BSI Committee on Scaffolding and two other Temporary Work Committees.



Chris Wilshere

Chris was a member of the "Bragg" Committee on Falsework and is lead member of the UK delegation involved in CEN Scaffolding and Falsework Standards. He is also still actively involved with five other groups on Scaffolding and kindred subjects.

His written works (author of 5 books and various articles in the Technical Press) and his work and career in general have been recognised with his Silver Jubilee and OBE medals.

Therefore there is probably no one better qualified to inform you on this subject.

Gary Gallagher

Chairman – Technical Committee

Technical Innovation Award launched

The first NASC Technical Award for Innovation is now launched. See the entry form on the back of this issue. The NASC plans to invite members and non-members with good technical ideas or information to come forward.



Entrants can photocopy or tear off the back page.

CEN & BSI Temporary Works Standards

EN 39 Steel scaffold tube

A revised standard has now been published. It includes both 4.0mm and 3.3mm tube, but otherwise changes are more concerned with updating terminology.

EN 74-1 Steel couplers

Final agreement has been reached to enable it to be sent out for the Enquiry. Some existing fittings will not comply with it. It will supersede most of EN 74 1990 = BS1139 Part 1 Section 1:1990)

EN 74-2 and 3 Other fittings and adjustable bases

Progress is very slow. There is a reluctance outside the British Isles to include putlog couplers and little help from UK manufacturers. Work on girder couplers has scarcely started, but half couplers are well advanced. Adjustable base plates have not been considered.

HD 1000 Service and working scaffolds made of prefabricated elements – Materials, dimensions, design loads and safety requirements

Published in the UK as BS 1139.5: 1990. About to be superseded by EN 12810–1, see below.

HD 1004 Specification for prefabricated access and working towers. Mobile access towers = BS 1139 Part 3:1994.

After 5 years this "minor" revision has been technically agreed and is out for Enquiry until September.

EN 1065 Adjustable steel props: product specifications, design and assessment by calculation and test

This is now published. There are conflicting reports on take up.

EN 1263 Safety nets (People catching) EN 1263-1 Product specification

This revision which corrects the earlier version is now published.

EN 1263-2 Safety rules for erection of Part 1 nets

The consequential adjustments have been done: it is awaiting publication.

EN 1298 Mobile access towers: Rules and Guidelines for the preparation of an instruction manual.

Published. Consists of matter that the UK would put in a Code of Practice. Manufacturers found no difficulty in implementation.

prEN 1808 Suspended access equipment

This European standard has now been published. It covers safety aspects of both temporary and permanent equipment. BS 5974 and 6037 are being revised to eliminate overlapping material.

prEN 12810-1 Prefabricated Façade Scaffold Product specifications

This is a revision of HD 1000 = BS 1139 Part 5 and is almost ready for final vote. It has abandoned attempts to include Italian/French

proposals on a first order/amplification factor approach to assessing strength.

Different national rules for use will result in different applications in different countries. This will be achieved by A-Deviation and National rule limitations.

prEN 12810-2 Methods of particular design and assessment.

Account has been taken of Enquiry comments and it will continue in line with Part 1.

prEN 12811-1 Scaffold: Performance requirements and general design.

This was technically (almost) finalised in January 2002 and editing started in April. It should go for final vote any time now with possible publication in June 2003; but it is likely to be a few months later. UK A-Deviation will enable the UK to have a more stringent requirement for decking, see BS7995, and one class of stair will not be acceptable.

prEN 12811-2 Materials support document

The Enquiry on this has produced diverse comments and an attempt to deal with them has started under the Convenorship of G Völkel. The UK's attempt to abandon the document has failed, but a simplified version has been prepared as a basis to proceed. The document will have little value. Other documents now being finalised will refer to the Enquiry version, not the final standard.

prEN 12811-3 Testing support document

A very marginally simpler version has been technically agreed and is out for final vote. Publication will be in line with EN 12810.

prEN 12812 Falsework: performance requirements and design methods

The test is being prepared for the Formal Vote stage. A further meeting has enabled a few more German ideas to be included. The document is now of very limited scope, and starting the corresponding revision of BS5975 is now an urgent matter.

prEn 12813 Load bearing towers made of prefabricated elements. Methods of particular design and assessment.

The work last year has been tidied up and a document is now technically accepted, and it is being prepared for the Formal Vote stage. It will require a tower which complies with the standard to be designed, and though a global test is included, it will not be of a standard pattern.

prEn 13331 Trench lining systems

Part 1 Product specifications Part 2 Test and assessment

Both parts are awaiting publication.

prEnHydraulically operated trenching equipment

Part 1 Product specifications (Work item number 00053021) Part 2 – Test and assessment (Work item number 00053022)

To cover waling units and manhole support frames. Both Parts are about to go out for Enquiry. It is essentially a British document, as other countries have less experience.

prEN 13374 Side protection for roofs

After appointment of a new Convenor, progress has been made, but there is more to do. No clear date for final vote yet.

prEN 13377 Prefabricated formwork beams – product specifications, classification, design and assessment by tests.

This timber 'I' beam document is now being published, having been completed over two years ago.

prEN... Vertical formwork

A new Convenor has reactivated the project. The latest proposal is to use the main text for general design requirements and to have an annexe dealing with panels as a product. At least a year to the Enquiry.

BS 1139 Scaffolding components

Part 1-1 Now EN39

Part 1-2 Aluminium tube

This remains with no expectation of modification.

Part 2-1 Now EN74

Part 2-2 Other fittings

Most of these will eventually be subsumed into EN 74-2.

Part 3 Mobile access towers

The UK publication of HD1004:1992

Part 4 Trestles and splitheads

This is currently under review to bring it up to date.

Part 5 Prefabricated façade scaffold

The UK publication of HD1000:1998

Part 6 Guide for using BS 1139-3 (HD 1004) components outside that standard

The original idea of a standard on less common uses of Mobile Access Towers and using other components has been transmuted into a BS Guide. Now at final editing stage.

BS 2482: 1990 Specification for timber scaffold boards

To be reviewed on completion of the new performance requirements document (See BS 7995 below)

BS 2830: 1994 Suspended access equipment (suspended chairs, traditional steeplejack seats, work cages, cradles and platforms) for use in the building, construction, steeplejack and cleaning industries.

Updating to bring it into line with EN 1808 is in progress.

BS 4074 Steel trench struts.

Props originally the main subject of this standard are now one of the types in EN 1065. The remaining struts now form a standard on their own published in October 2000.

BS 5080 Structural fixings in concrete and masonry.

There are no proposals for modifications.

BS 5507-1 Test methods for telescopic centres.

There are no proposals for modifications.

Whilst every effort has been made to provide reliable and accurate information, we would welcome any corrections to information provided by the Writer which may not be entirely accurate, therefore and for this reason, the NASC or indeed the Writer, cannot accept responsibility for any misinformation posted.

BS 5507-3 Test methods for props

A revised version for props not included in EN 1065 is nearing public comment stage.

BS 5973: 1990 Access and working scaffolds and special structures in steel.

This document, or conflicting parts of it, will have to be withdrawn if EN 12811-1 is accepted. NASC and HSE have offered support to fund a consultant to write it, and the contract is expected to be sent out very shortly. It is intended to include details of traditional designs so that the Directive requiring a calculation can be met.

BS 5974: 1990 Code of practice for temporarily installed suspended scaffolds and access equipment.

Revision has started, now that EN 1808 has been published, to delete duplicate content and update it.

BS 5975: 1995 Code of practice for falsework.

It is being reviewed with BS 5973 to see how to retain as much as possible of what is not in prEN 12812, which, if published, will partly supersede it. The need for funding is a matter of considerable urgency.

BS 6037: 1990 Code of practice for permanently installed suspended access equipment.

Final editing of the revised text is in progress, prior to publication. See also EN 1808.

BS 7955 Specification for containment nets and sheets.

This was published in 1999

BS 7995 Performance requirements for decking

This document is intended as a master standard for decking. However the public comments showed that too many of the present tests are untested, so it is now proposed that it be published as a Draft for Development. This will enable manufacturers to carry out tests to show if it is fully workable, and two years later it will be considered for publication as a standard.

BS 8093: 1991 Code of practice for the use of safety nets, containment nets and sheets on constructional works.

This has been withdrawn and is being replaced by BS8410 and BS 8411.

BS 8410 Code of practice for containment nets and sheeting.

This was split out of BS8093 and is complementary to EN 1263. The text is being prepared for final editing and approval prior to publication.

BS 8411 Code of practice for safety nets.

This was split out of BS 8093 and is complementary to EN 1263. The text is being prepared for final editing and approval prior to publication.

BS... Application of BS 6399 wind loading in BS 5973 and BS 5975.

An edited document is being circulated for consideration by B/514 and its subcommittees.

TECHNICAL INNOVATION AWARD 2003

Aims to:

Encourage good ideas, methods & solutions to problems faced and to provide a platform to demonstrate the levels of ingenuity that exist in our industry.

There will be two separate Award categories:-

- (1) Scaffold (i.e. completed scaffold structures)
- (2) Product

HOW TO ENTER AND RULES

- (i) Submissions for the scaffold category must be for a scaffold built within Calendar Year 2002.
- (ii) Describe (using up to a maximum of 500 words, 3 photographs, 1 drawing), the innovative qualities, what makes the scaffold technically superior or unusual, the problems or challenges to be overcome.
- (iii) Product submissions should be for new inventions which will benefit the scaffolding industry as a whole.
- (iv) Entrants must be willing to permit the NASC to publicise the submission. However, any photographs used will be accompanied by the competitor's name.
- (v) NASC members' fee to enter this competition is free of charge with respect to the annual member subscription. Non NASC members may enter the competition, however a cheque for £250 must accompany each submission.
- (vi) Photographs of the scaffold or product are required and must be supported with written descriptions.
- (vii) Entries should be addressed to the NASC Technical Committee, 56-64 Leonard Street, London EC2A 4JX and must be received by 31 January 2003.

Finalists will be selected by a Judging Panel, chaired by the NASC Director + 2 other Independent Technical & Safety experts. Winners will be announced at the NASC Annual Conference in May 2003. Decisions will be final.

New and good technical ideas should be encouraged, this could be your way of maximising publicity and acceptance!

Company Name

Company Address

.....

.....

Contact Name

Telephone No.

Fax No.

Email Address

