



Bringing BS 6349: “Maritime Works” into the 21st Century

On
Monday 6th February 2012

10:00hrs until 16:00hrs

To be held in the Thomas Telford Theatre at
the Institution of Civil Engineers, One Great George Street
London, SW1P 3AA

Why you should attend this PIANC event

This is a rare chance to hear about the progress being made on bringing the British Standard for maritime works into the 21st century and for you to contribute to its development.

Nine of the country’s top specialists in the design of maritime structures will outline the parts of the standard that will shortly be released for public consultation and give a preview to the next generation of standards.

The speakers represent the steel and concrete industries, OCIMF and design consultants.

The seminar has been structured to maximise the interaction of those attending both within the seminar and in a series of offline Q&A sessions.

If you are involved in maritime works, either as a port company, an operator, a contractor, a designer or a supplier then this is an opportunity that you really cannot miss.



Bringing BS 6349: “Maritime Works” into the 21st Century

Event Synopsis

BS 6349: Maritime Structures is a suite of 8 standards covering most aspects of maritime civil engineering. It is widely used on an international basis and as such is one of the most successful British Standards not including the Eurocodes.

In 2010 the revision of BS 6349 Part 2 was published and this represented the start of a major process of updating BS 6349 and the bringing in line of BS 6349 to refer correctly to new codes such as the Eurocodes. The development of BS 6349 is now going through a very exciting phase with a total overhaul from top to bottom.

BSI Committee CB502 has started implementation of the major tasks in the updating process, the first being the updating of BS 6349:Part 1, the largest standard in the series, which is to be split into 4 separate standards.

Part 4 on Fenders and Moorings is being updated to reflect latest practice and a working group has now also been formed to bring Part 3 on Shipyards, Lock Gates and Dry Docks up to date. When this is joined with the launch of work on a new standard, BS 6349 Part 9 on Port Surfacing, you can see that there is much for the industry to look forward to.

The objective of this seminar is to draw attention to the impending Public Consultation period for three sections of the newly partitioned Part 1 on General Criteria, namely BS 6349 Parts 1.1, General, 1.3 Geotechnical and 1.4 Materials. There will be a slightly later Public Consultation for Parts 1.2, General Criteria, Actions and Part 4, Fendering and Mooring Systems.

The other objective is to raise interest in the general activities of BSI committee CB502, which is the committee responsible for developing and maintaining the BS 6349 suite of standards, and to invite interest from competent persons to take part in the standardisation process.

After launch events for BS 6349 Part 8 and the updates for BS 6349 Part 2, this seminar introduces an opportunity to meet and put your point of view to the Chairman of CB502 and at times various panel members for parts of the standard in a separate Feedback Workshop, which will be running throughout the day in a breakout room while the presentations are taking place.

This seminar is recommended to any civil, port or coastal engineers involved in the design and planning of maritime facilities.



Programme

09:30—10:00hrs
Arrival & Registration

10:05hrs

BS 6349- Overall Aspirations, Steve Osborn, Chairman, BSI Committee CB502.

BS 6349 is one of the most respected standards in the world and is used extensively worldwide. This talk gives an overview to the tasks that committee CB502 have set themselves and the progress that is being made to bring the standards up to date and the opportunities for future standardisation.

(Steve Osborn is an Associate Director of Royal Haskoning)

10:25hrs

BS 6349:Part 1.1 –Matching up to industry practice – David Veale, Member, BSI Committee CB502

The first part of the newly partitioned Part 1 gives guidance and recommendations on general criteria relevant to the planning, design, construction and maintenance together with recommendations for survey and data collection. This includes recommendations in respect of environmental, safety and operational matters that should be considered in planning.

David will explain the perspective of an owner's organisation responsible for developing, operating and maintaining assets within major marine facilities for the oil, gas and petrochemical industries. Particular emphasis will be placed on the requirements to plan and design for safety and operability for navigation, berthing, mooring and cargo handling. Port, terminal and ship operator requirements need to be considered from an early stage and requirements of hazardous cargos in particular need to be carefully considered.

(David Veale is Principal Technical Expert for Marine Facilities engineering in Shell Projects and Technology in the Netherlands and represents the Oil Companies International Marine Forum on CB502)

10:55hrs

BS 6349:Part 1.3, Geotechnical and the effects of Eurocodes – David Rowbottom – Member, BSI Committee CB502.

The coming into force of the Eurocodes means that geotechnical designers have new guidance, and to appropriately refer to this source, the extensive section on geotechnical issues in BS 6349 Part 1 is being updated so that it refers to the Eurocodes and also reflects the structure of the Eurocode documents. David Rowbottom will be highlighting the changes that we are proposing and why.

(David Rowbottom is a Construction Development Manager with Tata Steel and represents UK Steel on Committee CB502)

11:05hrs

BS 6349:Part 1.4 – Materials, Changes in Concrete Technology – Peter Keel– Member, BSI Committee CB502.

Further developments in best practice is influencing the specification of concrete in Maritime Works, and the latest updating process is taking account of this. Peter Keel's talk will draw attention to the new material and why a code on Maritime Works needs to take these into account.

(Peter Keel is Technical Director of Pipeshield Engineering Ltd and represents the Concrete Society on Committee CB502)



11:25hrs
Refreshment Break
Tea, Coffee and Biscuits to be served in the Great Hall

11:40hrs

BS 6349:Part 1.2, Actions – William Allsop and TBC– Members, BSI Committee CB502.

Of all the sections in BS 6349 the new Part 1.2 on actions represents the most technically challenging part of the updating process. This is because of the very high technical content in the section on wave actions and the continuing and rapid progress being made in wave analysis and wave actions assessment. William Allsop is an acknowledged expert on the design of breakwaters and seawalls. He will indicate the direction of future standardisation in Part 1.2, and will seek advice from attendees on the level of complexity in e.g. dealing with impulsive wave loadings. However there is also a substantial content dealing with cargo loadings and the like, and it will be explained how the Committee plans to go about the updating process.

(William Allsop is Technical Director of HR Wallingford and visiting professor at the University of Southampton and represents the Institution of Civil Engineers on committee CB 502)

12:20hrs

Bringing BS 6349 Part 3 up to date – The new issues for shipyards and drydocks– Adrian Arnold, Member designate of BSI Committee CB502

In his earlier career, Adrian Arnold was a protégé of the principal drafter of the original BS 6349 Part 3. Having spent a very large part of his career in the design and management of shipyard projects incorporating all types of shipyard facilities, he is well placed to lead this well overdue revision work. Adrian will highlight his initial thoughts on the types of revision required for this important part of the BS 6349 suite of standards.

(Adrian Arnold is Global Technical Director, Shipyards for Royal Haskoning and is designated to be Panel Chairman for the updating of BS 6349 Part 3)

12:50

Lunch Break
A buffet lunch will be held in the Great Hall

13:50hrs

Incorporating the PIANC recommendations into BS 6349: Part 4 Fenders and Moorings – Peter Stebbings, Member, BSI Committee CB502.

Although BS 6349 Part 4 was updated more recently than some parts, it still remains an important task to complete this process, particularly since this is one of the most heavily used and referenced sections of the BS 6349 suite. As a long standing member of BSI committee CB502, Peter Stebbings has been involved with the development of the suite of standards almost from when it was started. He will explain how it is necessary to take on board the recommendations of the PIANC Guidelines for the design of fender systems, WG 33 but how even then adjustments are needed to offer guidance for new types of vessels such as water jet propelled fast ferries. In particular, the impossibility of precisely defining berthing approach velocities will be addressed.

(After a long career in Port Engineering and port consultancy, Peter Stebbings is now retired and is Chairman of the Panel for the updating of BS 6349 Part 4)



14:15hrs

Moving into Port Infrastructure – The new BS 6349 Part 9 on Port Surfacing– Jonathan Tyler, Member, BSI Committee CB502.

BS 6349 Part 9 will be the first standard resulting from the change of direction for the CB502 committee. Whereas formerly the remit was for “Maritime Structures” the new remit is for “Maritime Works”. While guidance is available from various sectors of the paving industry, it is clear that a standard on Port Surfacing is long overdue, offering the chance to bring all types of paving into standardisation and also to help manage the expectations of end users with respect to such heavily used elements in terminals. It also offers the chance to provide recommendations relating to features such as gravel beds.

Jonathan Tyler has vast experience in the design of paving in container terminals throughout the world.

(Jonathan Tyler is Global Sector Director, Container Terminals for Royal Haskoning)

14:45hrs

Refreshment Break

Tea, Coffee and Biscuits to be served in the Great Hall.

15:00hrs

Finalising the revisions – Bringing BS 6349 into the 21st Century– Chris Boysons, Member, BSI Committee CB502.

The CB502 committee has set itself the target of completing the revision of all the standards by 2015, so that the suite is on firm foundations. The previous talks give the overview of the work that is presently active, but in the very near future work will begin on the revisions for Parts 5, Dredging and Reclamation, Part 6, Floating Structures and Part 7, Breakwaters as well as minor adjustments to the relatively recent Part 8 on RoRo Ramps, Linkspans and Walkways.

Chris will highlight some of the anticipated problems with finalising these documents and also appeal for suitable experts to volunteer to assist in this important work.

(Chris Boysons is the Senior Projects Director, Buildings and Infrastructure, UK for Halcrow, a CH2M HILL Company)

15:30hrs

Feedback Workshop – Chairman – Steve Osborn

The feedback workshop will commence after the presentation “Overall Aspirations” and remain open throughout the day while the presentations are taking place. This is your chance to let the CB502 committee know what you regard as important. Tell us what your priorities are. Tell us if there are any areas that you think badly need to be included in the suite. In the light of the expanded remit of CB502, are there any issues that you consider are worthy of standardising away from the narrower “Maritime Structures” remit.

15:55hrs

Summary and Closing Address—Chris Boysons, Member and Steve Osborn, Chairman

Finally Steve Osborn will summarise the views expressed in the Feedback Workshop before Chris Boysons makes the closing address.

16:05hrs

Close of Meeting

If you have any queries please contact Cheryl Honess, PIANC UK Secretariat on cheryl.honess@ice.org.uk or 020 7665 2238.



BSI Event

Booking Form

One form per person only.

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Please detail any dietary requirements here:		
How did you hear about this event? (Please delete as appropriate)		
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BSI Event

Fees and Charges

	<u>Fee</u>
Member of PIANC UK	£60.00
Non-Members	£80.00

Please note that PIANC UK is not VAT registered.

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Payment must accompany this registration form. Registration will be confirmed only on receipt of full payment.

Please indicate method of payment:

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BACS transfers can be made to:
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A copy of the draft must accompany this form.

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BSI Event

Terms and Conditions

Completed application forms should be returned to the PIANC UK Secretariat at the address below along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day to ensure prompt entry.

Cancellations cannot be made once payment has been received, however, replacement delegates are welcome to attend, please inform the PIANC UK Secretariat at least 5 working days prior to the event. PIANC UK reserves the right to cancel any event. In this case, the full fee will be refunded.

Please note that whilst speakers and topics were confirmed at the time of publishing circumstances beyond the control of PIANC UK may necessitate substitution, alterations or cancellations of the speakers and/or topics.

The event will be held at the Institution of Civil Engineers, One Great George Street, London, SW1P 3AA.

If you have any queries please contact Cheryl Honess, PIANC UK Secretariat on cheryl.honess@ice.org.uk or 020 7665 2238.

Please complete and return your booking form and payment details with your supporting information by **Friday 27th January 2012** to:

Cheryl Honess
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One Great George Street
London
SW1P 3AA