

TECHNICAL SEMINAR
**HIGH PRESSURE NATURAL GAS
PIPELINES AND INSTALLATIONS**

**DESIGN, CONSTRUCTION, TESTING,
COMMISSIONING, OPERATIONS, MAINTENANCE**

AND

LAND USE PLANNING

**IGEM/TD/1 EDITION 5
AND IGEM/TD/2**

17th MARCH 2009 - De Vere Shaw Ridge, Swindon.

AND

25th MARCH 2009 - Hilton Manchester Airport Hotel, Manchester.

What do the Seminars cover?

The morning session will be dedicated to the substantial changes made from Edition 4 to Edition 5 of IGEM/TD/1, including:

- the upper limit to MOP
- advice on the relevant safety evaluation when MOP exceeds 100 bar
- requirements for certain associated installations
- removal of requirements for methanol swabbing, except where there is no practicable alternative
- guidance on alternating current (AC) corrosion and application of new technology associated with corrosion protection
- equations for proximity curves
- an alternative approach for reaffirmation of MOP, avoiding the requirement for pressure raising in all circumstances
- revision of the requirements for TD/1 audits.

The afternoon session will address the brand new Standard **IGEM/TD/2** "Application of pipeline risk assessment to proposed developments in the vicinity of high pressure Natural Gas pipelines". IGEM/TD/2 covers:

- failure frequencies
- consequence modelling
- standard assumptions to be applied in the risk assessment methodology for land use planning zones
- site-specific risk assessments
- risk reduction factors to be applied for mitigation methods
- benchmark results for individual and societal risk levels.

It is also planned that the session will include presentations reflecting the respective stances of HSE and a local planning authority.

To complete the picture, there will be an introduction to BS 8010-3 which is the equivalent Standard to IGEM/TD/2 but covering transported fuels other than Natural Gas.

Who are the presenters?

The majority of the IGEM Panels that drafted IGEM/TD/1 Edition 5 and IGEM/TD/2 will be present. In addition, it is planned that representatives of HSE and a local planning authority, as well as a member of BS 8010-3 Panel, will be at the events.

Who should attend and why?

Those involved in the design, construction, testing, commissioning, operation or maintenance of high pressure Natural Gas pipelines should attend at least the morning session and probably the afternoon session.

Anyone involved in the planning process for proposed developments in the vicinity of high pressure Natural Gas pipelines should find the afternoon session invaluable. In addition, as well as introducing BS 8010-3 for other fuels, delegates will find many of its principles consistent with IGEM/TD/2.

This seminar is CPD (Continuous Professional Development) approved, all delegates will receive on arrival at the Seminar an attendance certificate in their delegate pack.

The majority of the slides shown by presenters will subsequently be accessible to view on IGEM's website, via delegate password only.

When and where?

- Tuesday 17th March 2009 : De Vere Shaw Ridge, Swindon.
- Wednesday 25th March 2009 : Hilton Manchester Airport Hotel, Manchester.

How much?

See fees table in the registration form overleaf.

Provisional Seminar Programme

TIME	EVENT
09:00	Registration. Tea/coffee
09:30	Welcome. Notices
09:40	IGEM/TD/1 Overview of changes Detail of changes: <ul style="list-style-type: none">• scope• management• design and materials• construction• operations• maintenance• installations (Tea & coffee break and Q & A midway) Q & A
12:45	Lunch
13:45	IGEM/TD/2 Background Perspectives on land use planning (developers, planning authorities, regulators) IGEM/TD/2 content BS 8010-3 Q & A
16:00	Close

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DESIGN, CONSTRUCTION, TESTING, COMMISSIONING, OPERATIONS, MAINTENANCE

AND

LAND USE PLANNING

IGEM/TD/1 EDITION 5 AND IGEM/TD/2

DELEGATE REGISTRATION

Please complete the below registration form and return to IGEM to secure your place at the Seminar. Forms and payment can be sent:

- Via post to; IGEM, Charnwood Wing, Holywell Park, Ashby Road, Loughborough, Leicestershire, LE11 3GH
- Via email; Gemma@igem.org.uk
- Via fax; 01509 283110

BOOKING FORM – *Please complete using BLOCK Capitals*

Date & Location Venue	17 th March De Vere Shaw Ridge, Swindon	25 th March Hilton Manchester Airport Hotel, Manchester
Please tick which date you would like to attend and insert no of delegates attending each seminar if applicable		

Main Contact First Name				
Main Contact Last Name				
Main Contact Company				
Main Contact Job Title				
Main Contact Telephone No				
Main Contact Email Address				
Membership No / IA No (if applicable)				
Address for all correspondence				
Total No of attendees				
Names of all attendees This should include the main contact should the main contact wish to attend Please insert "S" for Swindon Delegates and "M" for Manchester Delegates	Full Name	Company	Job Title	M/S?
How did you hear about this Seminar?				

Upon receipt of your completed booking form and payment IGEM will send your event confirmation document which will include the following details; joining instructions, directions to the venue, seminar programme and any Standards purchased.

Please note that the seminar fees do not include overnight accommodation. Venue confirmation details and accommodation booking details will be provided within your event confirmation document.

FEES – Please tick appropriate box and insert number of items Required if more than one

OPTION	Fee	VAT	Total Due	Tick Selection
All Day Seminar (TD/1 & TD/2) Member/IA rate	£175.00	£26.25	£201.25	
All Day Seminar (TD/1 & TD/2) Non-member rate	£235.00	£35.25	£270.25	
AM Only Seminar (TD/1) Member/IA rate	£155.00	£23.25	£178.25	
AM Only Seminar (TD/1) Non-member rate	£191.00	£28.65	£219.65	
PM Only Seminar (TD/2) Member/IA rate	£120.00	£18.00	£138.00	
PM Only Seminar (TD/2) Non-member rate	£144.00	£21.60	£165.60	
STANDARDS				
TD/1 Edition 5 Member/IA rate	£105.00	n/a	£105.00	
TD/1 Edition 5 Non-member rate	£157.00	n/a	£157.00	
TD/2 Member/IA rate	£45.00	n/a	£45.00	
TD/2 Non-member rate	£69.00	n/a	£69.00	
TOTAL				

IA = Industrial Affiliate

FEE INCLUSIONS

- Lunch
- Coffee Breaks
- Special seminar delegate discount on Standards of at least 25% whether attending the full day or part of the day
- Purchase of TD/1 includes a free copy of TD/1 Edition 5 Supplement 1

If you are interested in booking exhibition space and would like a booking form, please contact Gemma on; 01509 282054 or email; Gemma@igem.org.uk.

PAYMENT

Payment must be cleared in advance of the Seminar. Refunds for cancellation before the event will be subject to a deduction of £50.00 per delegate. Refunds for cancellation after the event will not be paid. Alternative delegates can be notified prior to the event at no extra charge.

Payment is required by:

- (a) Cheque. Made payable to IGEM.
- (b) Invoice. Please provide purchase order number
- (c) Debit/credit card. Complete the details below and return the form to IGEM.

Debit Card		Credit Card	
Maestro	Visa Debit/Delta/Electron	Visa	Mastercard

Name on card:															
Card number:															
Issue number:	(Maestro cards only)										3 digit security code:				
Valid from:						Expiry date:									