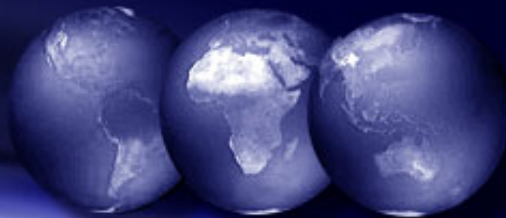




TO INTEGRITY ... AND BEYOND



WWW.ACET.CO.UK



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Written Scheme of Examination Report

Inspection Method Level Due Dates and Frequencies

Work Pack Enhancements

The Inspector Excel Interface

ACET Around the World

With the addition of Repsol YPF in Argentina and TAQA in Aberdeen, Scotland, ACET is now being used in 19 different countries around the world by 37 different sites with a total of 155 assets including Refineries, On and Offshore Installations, FPSO's and Chemical Plants.

Thank You

Muito Obrigado ao Waldemir de Campos Leite e Bruno de Campos Leite de Tucano Brazil who continue to provide a very professional and invaluable support service within Brazil and the USA.

www.tucanobrasil.com

ACET Version Details

The latest ACET release version is 5.0.518 from 27/10/2008

The current ACET development version is 5.0.521

To upgrade your version of ACET please contact ACET Support.

Welcome to the October 2008 edition of the ACET newsletter.

The ACET Software system has been designed to form part of an integrated asset management approach through the storage, analysis and assessment of inspection and corrosion data within the global petrochemical industry.

ACET NEWS

PETROBRAS VISIT

Etter Nucci (REPLAN) and Paulo Moraes (REFAP) from Petrobras in Brazil visited Oceaneering in Aberdeen, Scotland between the 14th and 20th of September to discuss increasing the use of ACET within the 14 Brazilian refineries. During their visit to Aberdeen Etter and Paulo had the opportunity to talk with other ACET clients including Nexen and Britannia and to discuss the provision of Inspection and Integrity Management (IIM) services and Specialist Inspection Services (SIS) with Alan Gray (Oceaneering's Global Integrity Manager) and Jim McNab (Oceaneering's Global Technology Manager). I am pleased to say that Etter and Paulo still found time to appreciate Scotland's água da vida.....Slanj'-uh va' gentlemen.

NEW CLIENTS

In the 3 months since the July edition of the ACET News Letter two further clients have implemented the ACET system:

Repsol YPF in Mendoza, Argentina have purchased an ACET License for the management of inspection and corrosion on the Loma La Lata, Mendoza, El Portón, Rincón De Los Sauces, Las Heras, Cañadón Seco, Bolivia and Sede Central assets.

The **Abu Dhabi National Energy Company (TAQA)**, based in Aberdeen has purchased an ACET License for the management of inspection and corrosion on the Cormorant Alpha, North Cormorant, Tern and Eider assets in the UK North Sea.

CLIENT UPDATES

An ACET representative has recently returned from **Angola** where he assisted **BP** in the setup and implementation of the system and trained BP personnel working on the Greater Plutonio FPSO

site. The Greater Plutonio development, in block 18, came on stream on 1 October 2007 and is the first BP operated production in Angola.

An ACET representative is currently working in-country **Yemen** on behalf of **Nexen** to assist with the day to day upkeep of the system which is being used on the Masila project. There are now 14 known fields containing 56 pools within the Masila Block with a total proved ultimate recoverable oil reserve approaching 900 million STB.

LATEST RELEASE FUNCTIONALITY

Archiving Features can have an impact on several modules in ACET, including the Inspections, Exceptions and Trending modules; therefore, a wizard is available to provide the user with options for completing the archive process.

The wizard allows either single or multiple features from the same item to be archived, or archived and replaced. If a feature is replaced, certain information (including corrosion rates) can be copied from the original feature to the replacement feature.

Corrosion Rates		
User	<input type="text"/>	mm/year
Archived Present	0.000	mm/year
Archived Historic	0.294	mm/year
<input checked="" type="checkbox"/> Use Archived Rates To Calculate Retiral		

The new **Written Scheme of Examination Report** contains information about selected items of plant or equipment which form a pressure system and includes details on:

- Identification of the items of plant or equipment within the system
- Those parts of the system which are to be examined
- The nature of the examination required,

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Risk Based Assessment

Trending and Graphing Enhancements

New ACET User Guide

Client Developments

including the inspection and testing to be carried out on any protective devices

- The preparatory work needed for the item to be examined safely
- The nature of any examination needed
- The maximum interval between examinations
- The critical parts of the system which, if modified or repaired, should be examined
- The date of certification.

Two new inspection methods have been added to the **Inspector Excel Interface** to allow the user to create an Inspection worksheet for both Gamma Ray and X-Ray inspection methods. These additional inspection methods operate in the same way as the General and Ultrasonic inspector excel interface inspection methods and will require new 'Styles' to be set up in the 'Inspector Excel Interface Style' stage when creating a new worksheet.

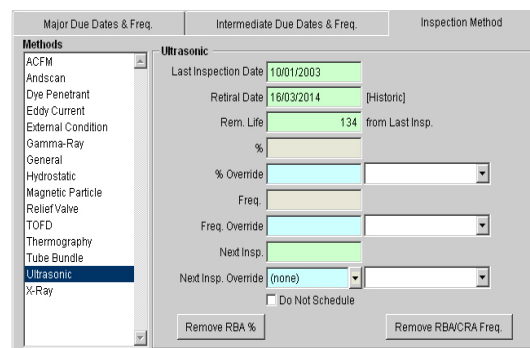
NEW DEVELOPMENTS

Work Pack Enhancements

The Work Pack function in ACET is being further enhanced with links from the Risk Assessment Module and to the Inspection Module. The Work Pack will also link to the Reporting Module where the components identified as part of the work scope can be incorporated within the Work Pack through an automated gathering process.

Inspection Method Level Due Dates and Frequencies

The ACET Risk Assessment process now incorporates an option to produce an output based on a frequency of inspection or as a percentage of remaining life. In addition to this the output level can be at the equipment (item) level or the inspection method level.



CLIENT DEVELOPMENTS

Brazilian Regulation Standards NR13 (Boilers and Pressure Vessels) and NR20 (Combustible and Inflammable Liquids)

To align ACET with **Petrobras** business requirements the system was enhanced to comply with Regulation Standards NR13 and NR20 where the pressure vessels are classified in categories based on the type of fluid and the potential risk associated with the product "P.V", where "P" is the maximum operational pressure in MPa and "V" is its internal geometric volume in m³

ACET HELPDESK

The ACET Help Desk system is a web based help/ticket system used in support of the ACET Department suite of software products.

The Help Desk is available from the following web address <http://acethelp.oceaneering.com>

To receive your ID and password please contact ACET Support:

acet_support@oceaneering.com

Tel +44 (0) 1224 758500

OCEANEERING NEWS

Oceaneering Inspection in Brazil

Since starting its Brazilian operation in 2007 Oceaneering Inspection have secured a number of major contracts. The latest is the provision of NDT services during the construction of the "Mexilhão Jacket" at the Maua-Jurong shipyard, Niterói.

The traditional time consuming inspection technique of radiography with its inherent safety issues would have adversely affected the construction program. Components up to 1250mm diameter and 40mm wall thickness even with large radiographic isotopes require many hours exposure time resulting in restricted access to the construction workers on many areas of the site. The close proximity of the construction site to the Rio-Niterói Bridge would have further resulted in restrictions to the public going about their daily business. The solution which is being successfully deployed was the development and approval of an ultrasonic technique combining Phased Array and Time Of Flight Diffraction (TOFD).

For further information on Oceaneering Inspection in Brazil please contact Martin Hockley, Marketing Manager: mhockley@oceaneering.com

Oceaneering is an advanced applied technology company that provides engineering services and hardware to customers who operate in marine, space, and other harsh environments.