



International
Association
of Oil & Gas
Producers

International Standards Workshop for the Global Oil & Gas Industry – Focusing on Mexico

18 – 19th September 2006

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1 Introduction

OGP – The International Association of Oil & Gas Producers - arranged a workshop in cooperation with DGN, Hydro, ISO, Pemex, Petrobras and TenarisTamsa. The workshop was hosted by Tenaris Tamsa at their plant in Veracruz, Mexico, 18 – 19 September 2006.

The workshop programme committee included the following members:

Alf Reidar Johansen	Hydro, OGP Standards Committee Chairman
Pierangelo Marchetti,	TenarisTamsa, Quality Director
Victor Cabrera,	TenarisTamsa, QA Manager
Renato Avila,	TenarisTamsa, Quality Systems
Cheryl Stark,	BP, ISO/TC67 chair
David Miller,	API, Director Standards programme
Wilson Barbosa,	Petrobras, Standards manager
Don Smith,	OGP (together with Dianne James as required)
Pita Cruz y Corro,	Tenaris, workshop secretary
Oscar G. Oliva,	PEMEX
Hector Guzmán,	DGN

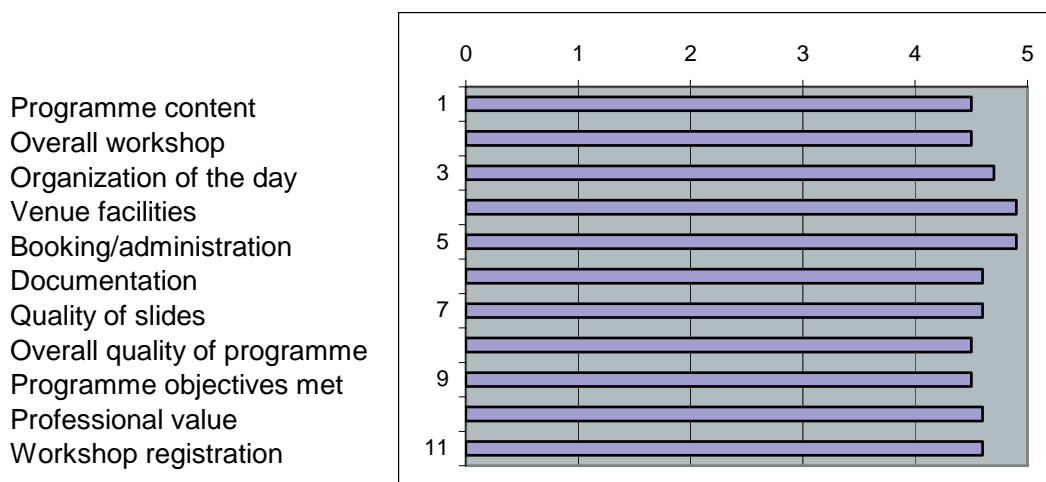
The workshop attendance varied over the two days, but at the most approximately 100 persons attended, mainly from the Mexican oil & gas industry.

The workshop programme and all the presentations are available at OGP website: <http://info.ogp.org.uk/standards/>.

This report is a summary of the twelve feedback forms turned in by participants, eight from Mexican participants and four from foreign participants.

2 Program evaluation

2.1 Please evaluate the following



5) Very good 4) Good 3) Satisfactory 2) Below expectations 1) Poor

2.2 What attracted you to this event?

- Speakers and network opportunities
- Speakers, network opportunities and agenda
- Agenda
- Network opportunities
- Opportunity to network with Mexican O&G industry on standards
- Grow the standards "family"

2.3 In summing up this event in a few words, what would you say?

- It was the best ever done on standardization
- Open share of experiences
- Very informative. Workshop gave me a good understanding on the oil & gas industry in Mexico
- Useful, interesting
- A beginning to ISO introduction, awareness of standards processes and how to participate. Leads eventually to adoption and use.
- Importance of international standardization and multi-cultural participation
- Good starting point for continued dialogue with Mexican O&G industry on common global standards.
- Helping Mexico to join the "oil & gas industry international standards family"
- The program seems interesting to me, the variety of themes and besides, it is important to know what we are doing here in Mexico regarding International Norms.

2.4 Which topics were omitted from the program that you felt had been included?

- None (2x).
- Cover other interest areas for the Mexican Oil & Gas industry (different TC-67). Invite others than Pemex and pipe suppliers.
- Other ISO or IEC committees and their work
- The "rest" of the ISO/TC67 programme.
- The workshop concentrated only on ISO 3138 and a few related documents
- Besides getting to know the issues in which ISO TC67 is working on, I consider it important that a summary of the achievements of each theme or project should be enclosed.

2.5 Would you recommend that your company attends next year?

- All replied Yes (and one added: As "follow up" or in 2 years)

2.6 Please give details of anyone else within your organization who would be interested in this topic

- The names offered will be kept by OGP secretariat for later use.
- A lot of areas can be invited through PEMEX Committee.

2.7 What do you think are the 3 "hottest" topics in the industry / sector / field?

- Deep water (2x)
- How to adopt ISO in Mexico
- How to participate more active in ISO WG

- How to create an mirror ISO structure in Mexico
- Mexican law & regulations (2x)
- Participation since the beginning (industrial sector involved in the international standards)
- New researches; new markets
- Expandable tubulars
- HTHP technology - materials, electronics, durability
- Alternative energy sources
- Challenges in prospection
- New environmental requirements
- Standardization of needs and requirements
- The oil & gas industry only needs "one standard" for each subject, applicable all over the world (2x)
- Reduce use of "company specifications". Usually with only small differences
- Separate "regulations" from "standards". If required, reference standards in regulations
- For Mexico it is necessary to determine how to adopt the ISO standards, NMX or NRF or both.

3 Speakers / presentations evaluations

3.1 Please evaluate the presentations / presenters using this scale

5) Very good 4) Good 3) Satisfactory 2) Below expectations 1) Poor.

Those that replied to this general question gave rating 5) Very good.

Detailed evaluation of each **chairman** on the two days was given in three feedback forms with a score from 5 to 3, and an average as follows:

- Timekeeping 4,73
- Contribution 4,45

Detailed evaluation of each **speaker** was given in six feedback forms, and the range given was from 5 to 1, with average as follows:

- | | | | | |
|------------|-------|------|-------|------|
| - Content | Day 1 | 4,41 | Day 2 | 4,33 |
| - Delivery | Day 1 | 4,36 | Day 2 | 4,19 |
| - Slides | Day 1 | 4,36 | Day 2 | 4,56 |

The detailed chairman and speaker evaluation reports will be kept by OGP secretariat for information.

3.2 Please make comments about any presentations / presenters (eg. particularly good speaker, poor paper)

- Mariano Armengol, Tenaris Tamsa, made the best presentation not only because he reported a well succeeded experience but also for assertiveness.
- Pemex needs to present in English or to get translation.
- Carlos Armin is to be commended for stepping into program at short notice.
- All presentations brought me new information

- The visit to Pemex gas plant was a long journey with little visit to the plant itself. Only presentation.
- The steel mill tour was excellent. Highlight the marking "ISO 11960 / API 5CT" on the casing coupling.

3.3 Which presentation would you consider most appropriate to the content of this conference?

- Mariano Armengol
- All of them
- DGN talk on day 1 was very good (Carlos)
- Johansen, Samne, Mariano Armengol
- Alain Loppinet and Wilson Barbosa's presentations
- Mariano Armengol, Johansen, Samne

3.4 If you could name one single topic for a workshop that you would almost certainly attend, what would it be?

- Value effectively added by standards.
- ISO 3183 specifications for the Mexican producers
- ISO TC67 and Mexico's adoption plan
- Lifting safety on an international scope
- ISO TC 67 content

3.5 How did you become aware of this workshop?

- ISO TC67
- Pemex invitation
- On the internet
- Advertisement
- Organizing committee
- E-mail
- In OGP standards committee

3.6 Do you visit any standards related websites regularly? If so please give address(es) below:

- www.iso.org 8x
- www.se.gob.mx 1x
- www.pemex.com 1x
- www.imp.com 1x
- www.ogp.org.uk 3x
- www.mms.gov 1x
- www.tc67.net 1x
- www.afnor.fr 1x
- www.cenelec.be 1x
- www.api.org 4x
- www.iec.ch 1x
- www.cenorm.be 1x
- www.ifan.org 1x
- www.asme.org 1x

3.7 Other Comments

- As a presenter at this workshop I would have found it valuable to have been given information from OGP prior to coming to Mexico on the structure of the Mexican regulatory and standards process. This information would have helped me in putting together my presentation on the standards process used by the MMS.

4 Panel & Break out session. Reports on the five questions given

1) Does the current Mexican practice of selection / application / development of standards work satisfactory?

- No, because we are not following the procedures of guide 21 of ISO. From the point of view of the law, yes. The work is satisfactory, it could be better. Solutions:
 - Apply ISO guide 21, more participation of PEMEX in the Committees.
- The work is satisfactory, but could be better. Solutions:
 - Define the procedures and guides for the adoption of the international ISO/IEC standards as Mexican national standards (NOM, NMX, NRF).
 - Formulate and implement the strategic plan of standardization of the Mexican petroleum industry.
 - To strengthen the links with the regional organizations of standardization as COPANT and CEN.

2) What are the challenges that Mexico faces with respect to standards?

- Harmonisation of Mexican Laws with the regulations of International Commercial Treaties.
- Conformity evaluation of the same standards and the acquired products / services.
- Lack of base line in the normative aspect
- According to law, official Mexican Norms have priority over International Norms

3) What are the pro's and con's of all options open to Mexico to make a step change (a leap) in standards?

- Mexico should seek for partners in new developments in the GOM area and share experience & technology.
- To define a strong policy of adoption of International Standards (bench mark with China) and consistently increase the participation of Pemex and related companies in the international works.
- To facilitate the participation of Mexican experts in the standard developing organizations (SDO) and consortia, mainly ISO.

4) Does the current ISO/TC67 program meet the Mexico needs? What is missing or should be different?

- More proactive participation of Mexico in every TC67 subcommittee
- We have to promote in Mexico reading, interpretation and application of ISO Norms, throughout Federal Government (Energy Secretary - DGN) and also

through the producers themselves and suppliers, by showing how their products, services and procedures comply with SO Norms.

- It seems that "it" does meet the needs, since it covers every oil industry areas, but:
- There is a lack of participation by the Mexican industry and specially PEMEX and IMP.
- Adaptation to international standards. Acceptance of their reliability based on their experience.
- ISO/TC67 programs has not been well communicated to all sectors and we need more education about whole ISO/TC67 programme.
- LNG equipment.

5) What needs to happen to achieve effective Mexican participation in International Standards development?

- To comply with Mexican law the specification has to have a conformity evaluation procedure, we should include this, or change the Mexican law.
- Pemex has to take the leadership in adopting international standards to involve all the industry and the country.
- It is necessary to involve the leadership of PEMEX to achieve effective Mexican participation in international standardization.
- It is necessary to show PEMEX management the benefits of PEMEX participation in integration of international standardisation concerning the oil and natural gas industry.
- PEMEX need to have clear vision and strategy for adoption of the international standards.
- Mexico need to select some key areas to participate in ISO work.
- Run workshop on ISO procedure so Mexican people understand how ISO works.
- Make standards programme in CM ISO 36.

5 Organization of the workshop

TenarisTamsa did an excellent, first class job of hosting the workshop in their own facilities and especially Ms. Pita Cruz, TenarisTamsa, did an excellent, first class job of organizing hotels, air travel services, transport services for the group and individual attendees, registrations, badges, documentation stands, conference room, coffe breaks, photo session for the group and group photo for all attendees, photographer for the entire session and slide show, beautiful assistance during the workshop, making the presentations available on CD-ROM etc. etc.

6 Sponsors

In addition to TenarisTamsa sponsoring the entire workshop event and all its associated activites and services, Norsk Hydro sponsored lunch the first day and Petrobras sponsored dinner and entertainment the first day of the workshop.

