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**Internationalisation of Standards to
Promote Globalisation of Petroleum and
Petrochemical Equipment**

Regulation and standardization of Oil &
Gas equipments in the European Union

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SUMMARY OF THE PRESENTATION

1. The EU New Approach

1.1 generalities

1.2 Principles & basics

1.3 Harmonized standard

1.4 Success and international interest

2. Review of the EU New Approach

2.1 generalities

2.2 Decisions

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2.4 Notification Bodies & CE Marking

2.4 Directives & Market surveillance

3. Application to Oil & Gas in Europe



1-1) THE EU NEW APPROACH

general rules setting out essential requirements for :

- SAFETY
- HEALTH
- PROTECTION OF CONSUMER AND ENVIRONMENT
- SINCE 1985 (23 years)



harmonization in EUROPE more quick and efficient



1-1) THE EU NEW APPROACH

- European New Approach Directives
 - **Give essential safety requirements**

- harmonized standards :
 - **help to fulfill directives requirements**
 - **technical specifications recognized and detailed**
 - **developed by CEN, CENELEC or ETSI**

- CE marking :
 - **mandatory application**
 - **conformity presumption**



FREE CIRCULATION OF PRODUCT



1-2) Principles & basics of the European New Approach

Objective: free circulation of goods inside EU

- **Homogeneous technical environment, transparent and credible**
- **High level of quality and safety of products**
- **Confidence based on the technical competence of the actors**

The principles of the “New Approach”:

ESSENTIAL REQUIREMENTS:

- **Specify the desired outcome to be achieved without specifying how it should be achieved Directive shall only harmonize the “essential requirements” with which the product must comply**

REFERENCES TO STANDARDS :

- **European Standards which meet the essential requirements are developed by experts through the European Standards Organizations**
- **Standards are voluntary.**

CONFORMITY ASSESSMENT POLICY :

- **Manufacturers following ENs have presumption of conformity (CE marking)**

BENEFITS:

- **Free circulation is guaranteed to these products.**

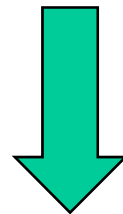


1-2) Principles of the European New Approach

Safety of people
Protection of common interest
Protection of consumer



Conformity to essential requirements



FREE MOVEMENT OF GOODS



1-3) WHAT IS AN HARMONIZED STANDARD?

- **CEN, CENELEC or ETSI receive a mandate from the European Commission to propose technical details to achieve the Essential Safety Requirement of a given Directive.**
- **An European Standard is developed by a Technical Committee of these bodies through an open and transparent process, built on consensus between all interested parties.**
- **As soon as verified by officials, they are published by EUROPEAN COMMISSION and EFTA as harmonized European standards in the Official Journal of the European Union (OJEU)**



1-4) New Approach (success & international interest)

■ **adopted by 27 UE countries + 3 EFTA countries**

■ **Countries interested by the concept:**

- ➔ **Turkey, Albania, Ukraine, Balkan countries, even Russia...**
- ➔ **Southern Mediterranean countries ;**
- ➔ **South east Asia countries and China**

2-1) REVIEW of EU NEW APPROACH

■ **Public enquiry organized in 2006 for Review**

■ **7 items to be discussed:**

➔ **Standardization**

➔ **Conformity assessment procedures**

➔ **Notified bodies**

➔ **CE marking**

➔ **Implementation of Directives**

➔ **Market surveillance**

➔ **Other :**

● **Clarification of accreditation and notification procedures**

2-2) DECISIONS ALREADY TAKEN

- **Simplification of procedures**
- **Transparency and exchanges of information between members states**
- **Requirements for notified bodies**
- **Charge of the proof inversed**
- **Definitions & vocabulary**

2-2) DECISION ON STANDARDIZATION

- **Standardization works quite well**
- **Consistent with new governance recommendations (ISO, WTO)**
- **Reinforcement of principles : essential requirements, CE marking, conformity attestation, voluntary standards**
- **Mandate M417 addressed to CEN, CENELEC & ETSI for standardization in support to new regulation context**
 - ➔ Identification of international standards (ISO/CASCO) or other
 - ➔ Adoption of international standards
 - ➔ Preparation of a reference document for future mandates



2-3) CONFORMITY ASSESSMENT PROCEDURES

- **definition of responsibilities reinforced**
 - **harmonization between directives**
 - **reinforcement of accreditation of assessment means**
- => give a stronger role to accreditation in the notification process (in association with EA – European co-operation for Accreditation - <http://www.european-accreditation.org/>)**



2-4) NOTIFICATION BODIES & CE MARKING

1) NOTIFICATION BODIES

- **Harmonization of notification procedures between member States**
- **reinforcement of accreditation of notified bodies**

2) CE MARKING

- **reinforcement of CE awareness by consumers**
- **better exchange of information between Member States (traceability)**



2-5) IMPLEMENTATION OF DIRECTIVES & MARKET SURVEILLANCE

1) IMPLEMENTATION OF DIRECTIVES

- harmonization of transposition rules

- review of existing directives

- harmonization of directives

⇒ **DECISION of the European Parliament and of the Council on a common framework for the marketing of products**

2) MARKET SURVEILLANCE

- reinforcement and harmonization of market surveillance procedures by member States

- transparency and exchange of information between member states

⇒ **REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL SETTING OUT THE REQUIREMENTS FOR ACCREDITATION AND MARKET SURVEILLANCE RELATING TO THE MARKETING OF PRODUCTS**

3) CASE of OIL & GAS SECTOR IN EUROPE

- **The New Approach Directives may apply to our equipments although many of our equipments are excluded from their scope.**
- **In addition, the Procurement Directive for excluded sectors applies to the upstream activity due to the fact that the Oil companies obtain exclusive right from the regulatory bodies to explore and produce oil & gas. Therefore the use of European standards if they exist is compulsory in the equipments' tenders above a certain price.**
- **For downstream activity many national regulations obliged the companies to use national standards.**



3) SOLUTION FOUND BY THE INDUSTRY

- **European Oil & gas Sector is willing to use international standards but has to follow in Europe the rules of the EU.**
- **Therefore Oil and Gas sector created CEN TC12 to develop EN/ISO standards for the petroleum & natural gas industry (upstream & downstream) using the so-called “VIENNA AGREEMENT” between ISO & CEN in order to adopt ISO TC67 standards.**
- **We participate as European to the preparation of ISO TC67 standards in order to get what we called European non harmonised standards which shall not be in conflict with any of the Essential Requirements of the New Approach Directives.**



THANKS FOR YOUR ATTENTION

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