Marcogaz Annual Report 2001

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Executive Summary

This annual report details the objectives, membership organisation and programmes of Marcogaz as well as the activities and achievements in year 2001.

Marcogaz acts as the European window on technical legislation, standardisation and certification for its member organisations. It promotes an appropriate technical regulatory environment for gas supply and gas utilisation including specific EC Directives to form the basis for standardisation and related certification, and supporting free movement of CE mark bearing products complying with gas specific requirements for safe and reliable gas supply and utilisation. Those aims are achieved by means of consultation and co-operation with EC bodies, the European Committee for Standardization (CEN), the International Organization for Standardization (ISO), related industries’ organisations, manufacturers of equipment and appliances and consumers’ organisations.

Marcogaz is also the forum where technical issues regarding gas transmission, gas distribution and gas utilisation are discussed.

The main issues and activities are summarised as follows:

Strategy Workshop
The Executive Board with Standing Committees’ Chairmen held a workshop on missions and strategies for Marcogaz in the changing environment of liberalising EU energy internal market. Action fields for Standing Committees were defined in consequence.

Gas Utilisation
EC legislation
- Continued monitoring of developments

Standardisation
- Promoting EN standards towards useful CE marking

Gas Appliance Directive (GAD) 90/396/EC
- Monitoring awaited extension of scope

Construction Product Directive (CPD) 89/106/EC
- Scope and clarification of EC mandate M/131 “Piping and ancillaries”

European Boiler Efficiency Directive 92/75/EC
- Continued promotion of revision of the STAR Rating Systems

Energy Labelling Directive EC/92/42/EC
- Promotion of non discriminatory energy labelling of gas appliances

Proposed EC Directive on the energy performance of buildings in the residential and tertiary sectors
- Promotion of energy performance calculation under the integrated approach to reduce CO₂ emissions, and of overall reasonable cost including inspection

Certification of gas appliances and equipment
- Continued action under relevant Directives towards adequate certification procedures

Installers of gas installation in domestic buildings
- Benchmark study on gas installation and installer qualification

Gas Infrastructure
Pipeline Safety Instrument (PSI)
- Continued monitoring of expected European Commission proposal for a “pipeline safety instrument”, which in the event should be based on a safety management system as proposed by Marcogaz.

EU Directives
- Continued assistance to members on COMAH (SEVESO II) Directive implementation in regard of underground storage

Forthcoming EC Directive concerning measuring instruments (MID) including gas meters
- Intensive action at Council and Commission levels for amendment of MID specific annex MI-002 on gas meters

Technical competence of personnel
- A paper on technical competence of personnel has been established to stimulate debate concerning necessary competence requirements in a deregulated environment

Marcogaz Working groups
- Six dedicated working groups reporting to the Standing Committee are active on, respectively: performance indicators linked to “pipeline integrity management systems” (PIMS); data base on underground storage safety performance, polyethylene pipes and fittings, steel pipes standards, third party damages; technical safety and quality plan and integrity of distribution systems.
→ Environment

A joint Marcogaz Eurogas Environment Committee was set up building on the past close co-operation between the respective Associations environment groups.

Environmental Performance Indicators (EPI)
- Development of shared EPI on companies' environmental performance

BAT reference notes for Large Combustion Plant (LCP)
- Monitoring of Best Available Technology (BAT) work in EU on LCP, with endorsement of AFG (French gas association) report for boilers and submission of report on engines and turbines

Health and Safety workshop
- Preparations for a workshop on the question whether H&S should be taken-up as an issue for Eurogas/Marcogaz

 Soil Contamination
- Consideration given to how soil contamination questions could be handled by the gas industry.

Methane Measurement Workshop
- A workshop was held on national methods of evaluating methane emissions from transmission and distribution activities

Climate Change
- Continued monitoring of studies and developments on the methane emissions issue and EU Commission consultation on climate change programme

Brochure "Natural gas: the natural choice for efficient energy"
- Preparation of a new Eurogas/Marcogaz brochure presenting case studies

Environmental Management systems (EMS)
- A survey of EMS importance for the gas industry was met with support for the system.

CEN/TC 234 “Gas Infrastructure”
Development of a European pipeline standard establishing the adequate safety and integrity playing field for transmission pipeline systems

- Two new items:
  - Development of an EQAS (European Quality Assurance System) guide with principles of adequate management and operational safety as part of the Safety Management System (SMS).
  - New specific standard covering all aspects of industrial gas installations

Other issues
- A number of individual issues are reported, including liaison activities with European Manufacturers’ Federations

→ Introduction

Marcogaz, the “Technical Association of the European Natural Gas Industry” is the representative body of the European Natural Gas Industry on all technical issues. It aims to monitor and take influence when needed on European technical regulation, standardisation and certification with respect to integrity and safety of pipeline systems, equipment, and the rational use of energy. Another major area of activity of Marcogaz is the protection of man and the environment, in the fields of natural gas supply and utilisation.

Marcogaz is also the forum where all technical issues related to gas transmission and distribution systems and gas utilisation are discussed.
Mission and tasks of Marcogaz

Achievement of the mentioned aims is sought by means of:

- defining views and common positions on issues of shared interest and representing these to international bodies, in particular to the European Communities, the European Standards Organisation (CEN) and the International Standards Organisation (ISO);
- promoting and monitoring European standardisation and related certification in selected areas;
- identifying the need for any new standards on topics of interest to the gas sector and associated research;
- promoting technical co-operation among the member gas industries;
- promoting and organising co-operation with related industries’ associations, including other pipelines operating industries and manufacturers of equipment and appliances used for gas supply and for gas utilisation, and with consumers’ organisations.

The activities of Marcogaz are listed in this report, implicitly highlighting the major objective for Marcogaz members to achieve an effective industry presence and response towards public and official queries and regulatory initiatives facing the gas sector at the European level and often following through to the national level. Industry co-operation within Marcogaz will ensure timely information, consultation and response, while offering a platform for authoritative and consistent industry representation making most effective use of industry resources in terms of experts, knowledge and finance required.

Marcogaz co-ordinates with Eurogas (European Union of the Natural Gas Industry) and GERG (European Gas Research Group), through a shared Secretariat and selected joint programmes. Marcogaz also co-operates with other major gas industry organisations such as GTE (Gas Transmission Europe), ENGVA (European Natural Gas Vehicle Association), IGU (International Gas Union) and Intergas Marketing. It consults and co-operates with other industry and business organisations involved in the issues at hand.

Membership in Marcogaz

Membership is open to natural gas supply and related technical organisations in European Union member states and all other European countries interested in co-operation towards shared safety and quality objectives and standards, including those mandated by EC regulation and programmes. For each country concerned, one membership embodies all relevant national gas organisations represented in one national delegation to the meetings, and corresponding to one membership dues amount payable each year.
Organisation

Marcogaz has no formal incorporation status, it is a "de facto" association without official statutes. Its structure, organisation and operational rules are described in its Internal Management Structure document (ref. S/MAR/1607/92).

The General Assembly consists of national delegations representing the various gas industry companies and bodies sharing in the membership. It meets once yearly to agree policies, adopt budgets, and directs the Executive Board whose members represent the respective countries in the Marcogaz membership.

At the conclusion of 2001, the membership extends over thirteen countries:

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<tr>
<th>Country</th>
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<tbody>
<tr>
<td>Austria</td>
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<tr>
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<td>Statoil A/S</td>
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<tr>
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<td>Lattice Group plc, and Centrica plc</td>
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The Board, meeting several times a year, defines and controls strategies and gives guidance to three Standing Committees of industry experts and executives in charge of the action. Ad hoc Working Groups are set up in the Committees when required to deal with specific subjects.

The Secretariat, servicing the activities of the Marcogaz bodies and co-ordinating with all relevant third official, industry and other sectors organisations, consists of one full-time executive with secretarial assistance and with support from the Eurogas Secretariat taking charge on a honorary basis of environmental issues and the General Secretary’s function.

Organisation Scheme – Status at 31 December 2001

At the conclusion of 2001, the membership extends over thirteen countries:

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Marcogaz Website

Marcogaz has its own homepage on the Internet at http://www.marcogaz.org, which offers general information on the Association and its organisation and activities as well as access to major reports and publications.

Executive Board

At the plenary session of the Association in April 2001, Mr Michel Duhen (Gaz de France, France) was elected President, succeeding Mr Michel Verlinden (Fluxys, Belgium) for a two year’s period normally. At the start of the year Mr Andy McPhee (Advantica Technologies Ltd, UK) replaced Mr Roy Feltham (BG Technology Ltd, UK) to represent the United Kingdom membership. The Czech gas technical association GAS s.r.o. joined the Marcogaz membership in 2001 and delegated Mr Jiri Buchta as its representative in the Executive Board.

The Board had three meetings in February, April and October 2001, to review and direct the Standing Committees activities and to assess Marcogaz positions as well in regard of CEN ISO activities and of other points of involvement of Marcogaz including relations with manufacturers’ and consumers’ organisations. These are mentioned in appropriate sections of this report.

A special workshop was held by the Executive Board with the Standing Committees’ Chairmen in February, on the strategy to be followed by Marcogaz in the context of the liberalising EU energy internal market, both internally for the priorities and programmes of the Standing Committees, and externally in relation to the other European gas sector organisations, Eurogas, GTE and GERG. A separate report is given in this publication. Joint consultation among the four organisations followed later in the year, resulting in agreed continued mutual concertation and co-operation.

General Assembly

The General Assembly held its annual plenary session in April 2001 in Zeebrugge (Belgium) to review the activities of the Standing Committees and it endorsed the results of the strategy workshop held by the Executive Board in February. It acknowledged as well, in relation to CEN activity, the re-structuring of Sector Forum Gas and the reported developments with the several CEN committees and SFG Working Groups relevant to Marcogaz, as well as the expected mandates and priority recommendations for standards work under the Measuring Instruments Directive (MID) and Pressure Equipment Directive (PED).

The appointments of the Standing Committees Chairmen were confirmed:

- Th. Jannemann (DVGW) for Standing Committee Gas Utilisation
- C. Musgrave (TRANS CO) for Standing Committee Gas Infrastructure
- A. Riva (SNAM Rete Gas) for Standing Committee Environment

The dues sharing system was changed to allow for reduced fees to be charged to the Austrian and Swiss member groups.

The hosting member, Distrigas gave a presentation on the gas “Huberator” which provides gas trade services to clients through the Zeebrugge Hub, followed by a visit to the LNG Terminal and the Gas Interconnector between the Continent and Great Britain.

### Executive Board Members at 31 December 2001

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<tr>
<th>Name</th>
<th>Position</th>
<th>Company</th>
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<tr>
<td>M. Duhen</td>
<td>President</td>
<td>Gaz de France</td>
<td>France</td>
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<tr>
<td>Kl. Homann</td>
<td>Vice-President</td>
<td>Westfälische Ferngas AG (WFG)</td>
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<td>R. Pöltner</td>
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<td>Wiengas</td>
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<td>P.J. Hinstrup</td>
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<td>A. Kilchmann</td>
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<td>SGWA</td>
<td>Switzerland</td>
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<tr>
<td>A. McPhee</td>
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<td>Advantica Technologies Ltd</td>
<td>United Kingdom</td>
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Strategy Workshop and Decisions

In February 2001 a workshop was held by the Executive Board and Standing Committees Chairmen on the strategy to be undertaken by Marcogaz in the context of the liberalising EU internal market.

The resulting definition of the chief mission and the main tasks is stated separately in this report following the Introduction.

The practical implementation of the main tasks in the activity fields of the individual Standing Committees has been identified in priority outlines being worked out as reported separately with the Committees' activities – Highlight issues are listed as follows:

→ In the field of gas infrastructure
  ■ Seek regulation based on a European pipeline integrity management system with performance indicators and corresponding standards
  ■ Support of standards incorporating innovative technologies
  ■ Synergies with manufacturers and contractors towards cost-effectiveness
  ■ Keeping CEN/ISO standardisation work on track with proven experts.

→ In the field of gas utilisation
  ■ Provide natural gas as an environmental sustainable fossil fuel
  ■ Promote New Approach type legislation favouring the free circulation of safe and well performing appliances regarding rational use made of energy with appropriate emissions performance underpinned by adequate EN standards and certification
  ■ Support standards facilitating innovative products, technologies for low cost installation and home automation applications
  ■ Support qualification and training of installers
  ■ Develop synergies with manufacturers and installers to realise the set objectives.

→ In the field of environment
  ■ Continued action for non discrimination respectively promotion of natural gas in regard of energy efficiency and clean air and emissions regulation and climate change programmes
  ■ Continued collection and assessment of environmental performance indicators data towards reliable and useful environmental performance reporting.

Developments in 2001

The bulk of Marcogaz activities as reported in the following consists of the work done in the three Standing Committees, supported by the Secretariat, guided by the Executive Board and endorsed by the General Assembly.

Standing Committees

The three main fields of Marcogaz activity are in the hands of three corresponding Standing Committees, respectively Gas Utilisation (SCGU), Gas Infrastructure (SCGI, formerly called Standing Committee Gas Supply), Environment (MSCE).

Within their respective scopes, the three groups have as main shared tasks in their areas of concern:

■ to develop Marcogaz policy and positions towards EC (draft) Directives and policies regarding gas and public safety, rational use energy and the protection of the environment;
■ to monitor new developments at national and international level, and to advise on future requirements with technical legislation, standards, quality approval and certification for products, works and services;
■ to monitor the activities in CEN, ISO, WELMEC, GAD-AC, BED-AC and EOTC, and to prepare actions as and when needed;
■ to initiate, when appropriate, relevant supporting enquiries and studies;
■ to initiate and support gas industry contacts and communications with external bodies, such as the European Commission, European manufacturers’ trade associations, consumers’ organisations, and IGU.

Specific scopes and activities in 2001 are reported in the following sections.

Members of the Standing Committees and Working Groups, at 31 March 2002, are listed in the Annex.
Standing Committee Gas Utilisation

Scope of activity: gas appliances, in-house installation, ducting systems and related equipment.

The overall objective is the promotion of good technical conditions for the market success of natural gas.

Particular consideration is given to:
- safeguarding appropriate safety and reliability through a high “quality” CE marking and conformity assessment procedures specific to gas;
- the establishment of a technical regulatory environment favourable to gas appliances and without discrimination against natural gas in competition with other fossil fuels and electricity;
- promote standards for high performance and consumer attractive and innovative products;
- securing adequate and safe installation of gas equipment under changing market conditions;
- developing appliance strategy for sustainable development with natural gas in promoting the use of innovative high performance and environment friendly gas fired equipment;
- developing partnership with manufacturers trade associations, installers and consumers organisations;
- supporting R & D in the field concerned;
- support qualification/education schemes for gas installers.

The Standing Committee, chaired by Mr Th. Jannemann (DVGW, D) had three meetings in 2001 in March, June and October.

- EC legislation
  Continued monitoring of developments under Gas Appliance and other New Approach type Directives with EN standards for implementation of Essential Requirements.

- Standardisation
  Promoting harmonised EN standards for useful CE marking combining adequate safety and energy efficiency grades with fitness for purpose and reference to EN 437 for gas quality/characteristics with country designated information for installation.

- Gas Appliance Directive (GAD) 90/396/EC
  The revision of the scope of GAD is still pending as long as the European Commission DG Enterprise has not put this issue at the top of its priorities list. SCGU has initiated recommendations to improve and extend GAD to cover products with an inherent gas safety risk used in in-house installations, such as regulators, valves, taps etc... GAD should also cover industrial appliances with the exclusion of process equipment.

- Construction Product Directive (CPD) 89/106/EC
  Marcogaz action consisted in drafting a position paper through CEN/SFG WGB for scope and clarification of the EC mandate M/131 “Piping and ancillaries”. The present mandate should apply in a first step to in-house equipment downstream the delivery point of the distribution grid. Outside buried pipes and equipment should follow identical requirements as components used in gas distribution grids. Above 0.5 bar PED applies.

- European Boiler Efficiency Directive 92/75/EC
  Continued promotion of modification of the STAR Rating System with a proposed derived scheme from the Boilsim programme for coherent treatment of oil and gas-fired boilers and adequate labelling. Continued promotion of Boilsim programme as such.

- Energy Labelling Directive EC/92/42
  Marcogaz has been dealing with this Directive for several years in seeking to avoid discrimination of gas against electricity. Marcogaz aims to develop together with the manufacturers a European energy label, which favours the use of natural gas across Europe. Through the energy performance A to G scale the consumer should be able to compare in an easy way the energy performances of different gas appliances providing identical comfort of hot water supply and to obtain advice from the installer.

Furthermore the Energy Labelling Directive is currently under revision to cover not only “plug-in” appliances but also appliances sold through the installers, such as combi-boilers. It is planned to replace the STAR rating system under the Boiler Efficiency Directive by a new label under the amended Energy Labelling Directive.
Proposed EC Directive on the energy performance of buildings in the residential and tertiary sectors

The proposed Directive foresees in a large degree of subsidiarity. The legal instrument is restricted to the establishment of the objectives and tools to increase energy performances of buildings across the EU but leaves the implementation to Member States and to standards. The proposed scheme is close to Marcogaz position paper. It is planned to adopt the Directive by Spring 2002. Marcogaz promotes that the proposed Directive should require the calculation of building energy performance under the integrated approach to reduce CO₂ emissions within the building sector. All building parameters should be assessed in addition to insulation. Marcogaz seeks assurance that the appliance including the heating system and periodic inspection should remain at reasonable cost (cost/benefit approach).

Certification

Continued action towards the European Commission, GAD-AC (Gas Appliance Directive Advisory Committee), BED-AC (Boiler Efficiency Directive Advisory Committee) in promoting the objectives of adequate certification (third party certification), of proper auditing of quality assurance system to ISO 9000/CEN 14000 series; of test laboratories certification to CEN 45000 together with the promotion of LABNET European network of laboratories, and of CEN Handbook of Laboratory Good Practice.

Installers of in-house gas installation

A benchmark survey was made on gas installations and qualification of installers in order to establish a comprehensive picture of technical skills and legal provisions in force in the EU countries. Although the approaches were very different in certain areas some common requirements were identified. This work will be continued in 2002. The benchmark study will also give support to qualification and education of installers.

Partnership

In order to achieve the above objectives, enhanced consensus and partnership are sought with manufacturers, with consumer organisations and with installers.

Standing Committee Gas Infrastructure

Scope of activity: gas pipelines networks, associated plant and related equipment.

Particular consideration is given to:

- promoting the understanding that gas supply is adequately regulated by existing safety and prevention laws throughout the Community thus meeting the aims of EC precautionary principle and the objectives of the EC internal energy market policy;
- ensuring that the EC Authorities take into account the industry’s high safety record, achieved by a process of continuous improvements in application of the Pipeline Integrity Management System (PIMS);
- the inherent need for gas to be available in a safe and secure system of supply that will meet without interruption the requirements of customers as they arise;
- the availability required of components and equipment, which comply with the specific gas industry safety requirements to construct safe and reliable gas supply systems specified in the CEN/TC234 functional standards.

The Standing Committee, chaired until June 2001 by Mr. D. Pelloux-Prayer (Gaz de France, F) then replaced by Mr C. Musgrave (Transco, UK) had three meetings in 2001, in March, June and October. The major issues continued to be the monitoring of EC Directives, and a possible EU pipeline safety instrument, the restructuring of Sector Forum Gas in CEN and the development of future programmes.

Review of strategy and activities

In line with the Executive Board Workshop recommendations to reinforce gas industry self regulation, the Standing Committee reviewed its current field of activities and priorities, and identified areas where pro-active actions are required to achieve Marcogaz objectives which consists in avoiding the development of new legislation without added value and, if any, the legal approaches should be a goal setting instrument recognising current good industry practices.
Pipeline Safety Instrument (PSI)
Continued monitoring of the European Commission expected proposal for a “pipeline safety instrument". This is now in hands of the DG Environment Civil Protection Unit with the potential of a fundamental change in focussing the prevention measures to minimise the types of hazards and risks of human activities and their potential impact on man and the environment in different situations of land use planning zone and identifying civil and social/cultural protection requirements to be taken in consequence. Marcogaz strategy remains unchanged, if a PSI is needed it should be a goal setting instrument with as core element the requirement for a safety management system (SMS) with agreed performance measures recognising current industry practices. Although the development of a PSI was mentioned the DG Environment sixth action plan 2001-2005, it is not a priority for 2002. To avoid the further development of EC Directives in this field or to minimise their impact on existing practices, Marcogaz strategy consists in the reinforcement of “self regulation” across the EU. In support of this approach the Standing Committee is finalising a Marcogaz guideline setting out performance indicators/performance elements to check the effectiveness of pipeline operators’ existing pipeline integrity management systems, which had been identified as a “gap” in most of the Member States under the EU Benchmark study in support of a potential PSI. The second objective of Marcogaz is to establish through CEN/TC234 a framework of standards creating the adequate safety level playing field, a minimum requirement for all pipeline operators across Europe.

EU Directives
Continued assistance to Marcogaz members in implementing the COMAH (SEVESO II) Directive concerning underground gas storage and creating a specific European data base on major accidents in the area concerned. Continued clarifying the scope and application of the essential requirements, in relation with the CEN Sector Forum Gas, of the Construction Products Directive, Pressure Equipment Directive, and follow-up to other Directives (e.g. ATEX, Machinery Dir.). Under these New Approach Directives a great number of industry guidance sheets were drafted by Marcogaz and adopted by the European Commission WG with Member States. This is essential to direct National Authorities when transposing EU legislation into national law, to direct notified bodies when certifying products and to direct the relevant CEN/TCs, to create consistency and coherence between EN standards and compatibility of products with the specific requirements necessary to operate and maintain a safe and reliable natural gas pipeline system.

Forthcoming EC Directive concerning measuring instruments (MID) including gas meters
Marcogaz together with Manufacturers has been very active in this field with the objective to achieve a EU instrument compatible with current industry practices and standards which had led to low cost installed gas meters with accuracy over a long period of time. In particular intensive action at Council and Commission level was required, to amend the specific annex MI002 to MID concerning gas meters with the aim to bring the requirements for gas meters and volume conversion devices in line with the liberalised market conditions, in particular the requirement for the adequate turndown ratio Qmax/Qmin when installing the gas meter, so as to avoid unregistered gas at customer premises. Other reviewed criteria include climatic conditions, gas specifications, testing programmes e.g. endurance tests. It is planned to adopt the Directive by Spring 2002.

Technical competence of personnel
Gas sector liberalisation with increased competition is likely to increase requirements for cost reductions including investment reduction, increased asset utilisation, personnel cutback and outsourcing. Such developments go against the basic need of maintaining technical skill within the gas companies to design, construct, maintain and operate pipeline systems. Technical accountability in a deregulated environment shall be clarified in order to maintain the current excellent safety record of pipeline systems. For the gas industry safety is paramount, and unsafe operations can generate costs far beyond the expense of good management systems and processes and right level of investment to ensure quality which then preclude the possibility of failures and accidents. A short paper on Technical Competence of personnel has been established to stimulate further debate beyond traditional areas to include the new competence requirements, which will emerge as liberalisation leads to complication and fragmentation of roles in the gas industry.
Marcogaz WGs

→ WG SMS transmission pipelines
To draft a Marcogaz guide on performance indicators for assessment of the effectiveness of companies’ Pipeline Integrity Management System (PIMS) see also above potential PSI.

→ WG Underground Storage
To benchmark the European legislation implementing COMAH (SEVESO II) and to set up a European data base on major accidents involving underground storage facilities with the objective to demonstrate to outside bodies the excellent safety of that activity.

→ WG PE pipes
To analyse and compare the EN standards elaborated by CEN/TC155 against current gas companies requirements when purchasing PE pipes and fittings in the market place.
The objectives are:
- to set up a quality plan for the manufacturing of PE pipes and fittings according to gas industry requirements
- to propose improvements to current European PE products standards (preEN1555)
- to agree on test results from accredited test laboratories in Europe in order to reduce cost of PE pipes and fittings.

→ WG Steel pipes
With a comparable objective as the WG PE pipes in comparing ECCISS steel standards against requirements of gas transmission companies when purchasing pipes in the market place. Then to draft a common gas industry paper to improve ECCISS standards and to bring those in line with the required quality to construct and maintain a safe and reliable transmission grid at reasonable cost.

→ WG Third party interference
To benchmark third party damage to gas networks across Marcogaz member companies with the objective to draft recommendations and guidance to avoid third party interference.

→ WG Distribution
To benchmark technical capability of gas companies to operate a safe and reliable distribution system, a questionnaire on technical safety and integrity requirements applied by individual gas companies is currently completed.
The report should be available by March 2002.

→ Strategy towards European and international standardisation
- To share in discussions concerning the future role and identifying new activities and priorities of CEN/TC 234 (with a number of proposals); example the drafting of a European guide European Quality Assurance System (EQAS) for adequate management of gas companies in translating general principles of ISO guides 9000 series and ISO 14000 series in gas specific requirements to operate and maintain an integer and reliable pipeline system;
- To implement in an effective and efficient way the re-organisation of CEN Sector Forum Gas, into a cost-effective structure;
- To assist in quality issues regarding PE pipe specified under current EN Standards;
- To assist CEN/TC 234 in its conflict with CEN/TC267 " Industrial piping” whose current draft standard involves excessive requirements without added safety value but causing excessive cost for industrial installations in particular small and medium systems operated below 4 bar;
- To keep standardisation within CEN/ISO on track with experienced gas experts.

Standing Committee Environment

The scope of activity covers the collection of industry data and considered views relating to environmental studies and policy proposals by the European Communities and other international bodies, which may affect installations and operations of gas supply and utilisation.
Particular attention is given to:
- promoting natural gas the cleanest fossil fuel as part of the solution to air pollution and of the climate change problem;
- ensuring that natural gas is not discriminated against relative to other energy sources in environmental policies;
- providing Eurogas with technical and practical operational advice on environmental issues.

Chaired by Mr A. Riva (Snam Rete Gas, I), the Committee met three times in 2001, in March, June and October.
The MSCE reviewed the proposed creation of a joint environment group with Eurogas which had emerged from joint consultation among Eurogas, Marcogaz and GTE and which had been endorsed by the Eurogas Bureau. The Standing Committee identified practical aspects regarding the membership and management of a joint group that have to be further developed.

- **Environmental Performance Indicators**
  The summary report on EPI was finalised with the recommendation to consider it as a source of data for Delegations to use in external contacts. At this initial stage a valid comparison of data was agreed to be difficult because of uneven scope of coverage with regard to companies and to available data. It was expected that with developing quality and quantity of data and with improving methodology in future collection exercises, the results would be increasingly, reliable and representative. Summary tables of year 2000 Environmental Performance Indicators data were made available. The report with 1999 and 2000 data is under preparation.

- **Views on benchmarking environmental performance**
  MSCE members agreed that EPI data (see above item in this page) should not be used for benchmarking environmental performance among companies because of differences of circumstances. The differences in approaches should be further analysed and understood to respond to benchmarking attempts by third parties. Comparisons of methodologies should complement the EPI data collection and allow companies to evaluate different approaches. The planned Methane Measurement Workshop (see below) was seen as a development of this exercise and a suggestion was made for a future comparable workshop on NOx emissions.

- **Health and Safety Workshop**
  Preparations were in hand for a workshop to be held early in 2002 on the question whether or not there should be a gas industry group on health and safety issues.

- **Soil Contamination Group**
  Earlier expressed interest to organise a working group on soil contamination questions was not confirmed.

- **Methane Measurement Workshop**
  The Workshop took place in October 2001, on national methods of evaluating emissions of methane from transmission and distribution activities. Conclusions were agreed for presentation to the Joint Group. Possibilities were to be examined of developing a common methodology as a reference. This work would improve the understanding of emissions measurements and of the basis of comparisons related to objectives connected with Environment Performance Indicators. Conclusions and background papers of the workshop had been circulated and were reviewed. The joint group agreed that the next meeting should define a clear programme for going further and identifying the necessary resources.

- **Climate Change**
  Continued monitoring of studies and developments with the methane emissions issue, and participation in EC Commission consultation on greenhouse gas emissions abatement, and completion of a position statement on methane emission reduction, in co-operation with Eurogas.

- **Brochure “National gas: the natural choice for efficient energy”**
  A new Eurogas/Marcogaz brochure was under preparation. A sub-group was confirmed to assist the Secretariat in selecting and presenting case studies.

- **Environmental Management Systems (EMS)**
  The increasing importance of Environmental Management Systems (EMS) for the gas industry was confirmed. A round table indicated support for some sort of EMS but the EMAS (including “assessment”) was not proving a popular choice. The presentation continued with mid 90’s Eurogas Code of Conduct on environmental management, which some found too timid and due for revision towards stronger support of EMAS and ISO 14001 in order to broaden the basis of dialogue with the EU.
Work in relation to the European Committee for Standardization (CEN)

While Marcogaz has a liaison status towards CEN, European Standards work is a foremost interest and activity of Marcogaz member organisations. Communications and policies of the European gas industry relative to the CEN organisation and activities are closely monitored and co-ordinated through Marcogaz.

Through CEN Marcogaz endeavours to maintain a common understanding among gas industry partners and with consumers and national authorities, to discuss and agree on shared items, and to develop European standards embodying the best gas industry engineering practices and technology compatible with CEN/TC 234 functional standards.

Product and equipment standards should reflect high level safety requirements at reasonable cost together with an adequate quality assurance system (AQS) during the production and end control which is considered a requisite to design, construct, operate and maintain a safe and integer natural gas pipeline system at the current high safety record in the field of gas utilisation, gas distribution, transmission and storage.

Even if natural gas is considered sustainable being the cleanest fossil fuel, the EN standards should include appropriate requirements to minimise the impact of supply activities and appliance use on the environment.

The final goal is to speed up standardisation work and the adoption of EN standards, considering the reduced availability of experts and of financial resources.

In linking SFG_I meetings to CEN/TC 234 meetings, the experts participating in the SFG meetings will have a direct interest in gas supply business including representatives of national standardisation bodies, authorities, manufacturers’ federations, Marcogaz and gas companies, and other interested parties.

→ CEN/TC234 "Gas Infrastructure"
Marcogaz maintains a strong relationship with CEN TC/234 to reinforce the principle of self-regulation as a pro-active measure across the EU and to promote adequate safety and integrity of pipeline systems towards the EU Commission, National Authorities and other interested parties. Marcogaz through CEN/TC 234 seeks to establish throughout the EU a technical framework to improve and secure pipeline and asset operations at unchanged or improved safety performance levels at justified cost.

To this end two work items have been initiated by Marcogaz:
1. The development of a European pipeline standard establishing the adequate level playing field for technical safety and integrity as a minimum requirement for all gas pipeline operators across Europe. To this end CEN/TC234 standard EN1594 concerning transmission pipelines is currently being benchmarked against requirements under national legislation covering pipelines with a view to identify gaps and to improve the subject standard. The Marcogaz guide on performance indicators to check the effectiveness of the pipeline company Integrity Management System already identified gaps where EN1594 should be improved.

2. The development of a EQAS guide (European Quality Assurance System) for transmission pipeline systems setting out the basic principles for adequate management and operational safety as part of the SMS (Safety Management System) together with basic rules for internal organisation and the availability of experienced and competent personnel as required under the companies’ AQS (Assurance Quality System) specific for natural gas networks. These principles should be checked against the existing standard EN 1594 established by CEN/TC234.

→ Reorganisation of CEN Sector Forum Gas
The principle to create under the full body SFG two sub-groups, one for “Gas Infrastructure” (SFG_I) and the other for “Gas Utilisation” (SFG_U) has been adopted by all stakeholders and endorsed by CEN/BT. To ensure co-ordination between the two sub-groups a SFG nucleus group is being created, with membership of both Chairmen, both Secretaries, CEN/MC and Marcogaz.

Through the proposed reorganisation the Marcogaz objective is to set up a cost effective and flexible structure, driven by the industry in which consultation between manufacturers, the gas industry, and other interested parties can take place, for guidance to be given to related CEN/TC’s on specific items e.g. compatibility between products and functional requirements and on horizontal matters implied by EC directives and other e.g. environmental aspects and to discuss and agree on shared items of interest.
The Marcogaz guide (under development) with Safety Performance Indicators to check the effectiveness of the companies Pipeline Integrity Management System (PIMS) will be part of the gas transmission EQAS. A similar guide should be drafted for distribution networks.

Other issues

→ Industrial installations
In this area disagreement arose with CEN/TC267 "industrial piping and pipelines" which had the remit to establish a general purpose standard under the PED mandate covering metallic industrial installations, independently of the fluid conveyed. It appeared that its pre-standard 13480 was inappropriate for industrial natural gas installations, in particular installations in tertiary and light industry. Applying this standard will significantly increase the installation costs without any additional safety value. For that reason CEN/TC234 according its scope, decided to draft a specific functional standard concerning industrial installation carrying natural gas. This is in line with the “New” Approach Directives, which allow several technical solutions to comply with the essential requirements thereof. It is up to the user/manufacturer to choose the most appropriate and economic technical solution to execute the work. In practice preference is given to a specific standard rather than applying a general purpose document. This approach was discussed between Marcogaz and DG Enterprise, which agreed on this principle.

→ CEN/TC235 (pressure regulators and safety valves), CEN/TC 69 "valves", CEN/TC237 "Gas meters"
Marcogaz together with the manufacturers’ federations established guidance documents to adapt the current standards for compliance with the essential requirements of PED.

→ CEN/TC234 and the new created body “EASEE-gas”
The creation of a European Gas Industry Standards Board following the US example, to develop, in application of the Internal Market Directive for Natural Gas, interoperability tools between TSOs (Transmission System Operators) to ensure non-discriminatory treatment of users, shippers and traders had the potential to overlap with CEN/TC234 allocated work. This issue has been clarified between GTE and CEN/TC234. The new created body EASEE-gas will draft industry codes on common practices to streamline business processes (exchange of data) which are urgently needed to achieve an efficient and effective European Internal Gas Market and not standards for technical safety and integrity of natural gas networks, the latter aspects remain within CEN/TC234. It is also possible that EASEE-gas operational procedures in a later stage should be evolve in a European standard, this will be task for CEN/TC234.

→ Liaison with European Federations
It is Marcogaz stated policy to exercise strong liaison with European federations with the aim to develop and agree common positions on issues of shared interest so as to voice a common industry view at European level towards the EC Commission, National Authorities, CEN/ISO and other European or international bodies, a necessity in taking influence on forthcoming EU legislation and in monitoring and directing standardisation and certification activities where needed.

In that context Marcogaz initiated joint meetings with:
AFECI (Association of European Manufacturers of Instantaneous Water Heaters and Wall-Hung Boilers) and EHI (European Heating Industry) to draft a common view concerning the forthcoming energy label under the EC Labelling Directive 92/42/EC, the revision of the Boiler Efficiency Directive 92/75/EC and the planned Directive on Energy Performance of Buildings. In addition, meetings were initiated with DG TREN.

FAREGAZ (Union of European Manufacturers of Gas Pressure Controllers) and FACOGAZ (Chambre Syndicale des Fabricants de Compteurs Gaz) to draft a so called landscape document comparing the set of essential requirements of the Pressure Equipment Directive with the current requirements of EN standards or drafts concerning pressure safety valves and pressure accessories and gas meters together with guidance for PED application under the respective mandated standards.

For gas equipment used inside buildings a common guidance paper was established to comply with the Construction Products Directive 89/106/EC.

FACOGAZ (Chambre Syndicale des Fabricants de Compteurs Gaz) to draft common proposals regarding the essential requirements of the forthcoming EC Directive MID, its test programmes and in particular its specific annex MI-002 regarding gas meters and to present these papers to the Commission DG Enterprise, Welmec (West European legal metrology committee) and the EU Council WG.

AFECOR (European Control Manufacturer’s Association) and ELHVIS (European leading
association of high intensity gas infrared heater manufacturers) to discuss the re-structure of CEN/SFG, to speed up the elaboration of European standards, to find ways to deal with electronics in a consistent manner under the various appliance standards and to get support from national authorities and the gas supply industry for the acceptance and application of the forthcoming EN standard regarding the installation of overhead radiant heaters in tertiary and industrial premises.

### Membership at 31 March 2002 of Standing Committees and Working Groups

#### SC Gas Utilisation

<table>
<thead>
<tr>
<th>Th. Jannemann, Chairman (DVGW, D)</th>
<th>M. Borsani (SVGW, CH)</th>
<th>F. Dupin (DVGW, D)</th>
<th>A. Defedele (Italgas, I)</th>
<th>K. De Wit (KVVBG, B)</th>
<th>F. Ferrer (Sedigas, E)</th>
<th>Fr. Jonon (Gaz de France, F)</th>
<th>J. Schweitzer (Danish Gas Technology Centre, DK)</th>
<th>C. Soerig (Danmarks Gasmateriel Provning, DK)</th>
<th>M. Thompson (British Gas Services, GB)</th>
<th>C.D. Vermeulen (Gastransport Service, NL)</th>
<th>P. Walshe (Bord Gais Eireann, IRL)</th>
<th>M. Zeppegno (Italgas, I)</th>
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<tr>
<td>R. Blackler (Advantica Technologies Ltd, GB)</td>
<td>R. Blanco (Sedigas, E)</td>
<td>M. Borsani (SVGW, CH)</td>
<td>A. Colonna (Gaz de France, F)</td>
<td>R. Dann (Advantica Technologies Ltd, GB)</td>
<td>F. Dupin (DVGW, D)</td>
<td>F. Ferrer (Sedigas, E)</td>
<td>I. Leiva (Repsol YPF, E)</td>
<td>M. Schäufele (BGW, D)</td>
<td>J. Schweitzer (Danish Gas Technology Centre, DK)</td>
<td>M. Van Rij (GasTec, NL)</td>
<td>P. Walshe (Bord Gais Eireann, IRL)</td>
<td>T. Williams (Advantica Technologies Ltd, GB)</td>
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#### SC Gas Infrastructure

| C. Musgrave, Chairman (Transco, GB) | J-M. Baillard (EDF-GDF Services, F) | S. Bees (Advantica Technologies Ltd, UK) | R. Bräuer (SGWA, CH) | Fr. Dupin (DVGW, D) | J. Fentz (Naturgas Midt/Nord, DK) | R.C. Ford (Advantica Technologies Ltd, GB) | S. Ghia (Italgas, I) | J. Gutierrez Pascual (Enagas, E) | K. Haring (Tiroler Ferngas, Tirol, A) | R.D. Heinrich (Netg, Metg, Setg, D) | Kl. Homann (Westfälische Ferngas (WFG), D) | J-Cl. Hourriez (Gaz de France, F) | D. Jagodzinski (DVGW, D) | A. Klees (DVGW, D) | M. Kornalijnslijper (Gastransport Services, NL) | G. Linke (Ruhrgas, D) | V. Musazzi (Snam Rete Gas, I) | A. Oijord (Statoil, N) | B. Osterbye (Dong, DK) | J. Puertas (Gaz Natural SDG, E) | E. Van Ingelghem (Fluxys, B) | M. Verlinden (Fluxys, B) | P. Walshe (Bord Gais Eireann, IRL) |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

#### WG Boiler Efficiency Labelling

| R. Blackler (Advantica Technologies Ltd, GB) | R. Blanco (Sedigas, E) | M. Borsani (SVGW, CH) | A. Colonna (Gaz de France, F) | R. Dann (Advantica Technologies Ltd, GB) | F. Dupin (DVGW, D) | F. Ferrer (Sedigas, E) | I. Leiva (Repsol YPF, E) | M. Schäufele (BGW, D) | J. Schweitzer (Danish Gas Technology Centre, DK) | M. Van Rij (GasTec, NL) | P. Walshe (Bord Gais Eireann, IRL) | T. Williams (Advantica Technologies Ltd, GB) |

#### WG Energy Labelling

| J. de Francisco (Repsol YPF, E) | R. Blackler (Advantica Technologies, GB) | R. Blanco (Sedigas, E) | M. Borsani (SVGW, CH) | P.G. Hennig (Gaz de France, F) | K. De Wit (KVVBG, B) | M. Schäufele (BGW, D) | J. Schweitzer (Danish Gas Technology Centre, DK) | T. Williams (Advantica Technologies, GB) |

#### WG Energy Performance of Buildings

| J. Dehaeseleer (Electrabel, B) | S. Ghia (Italgas, I) | P. Grosshennig (Bayerngas, D) | K. Haring (Tigas, A) | M. Joosten (Gastec, NL) | V. Musazzi (Snam Rete Gas, I) | B.B. Petersen (Hovedstadsregionens Naturgas, DK) | J. Sibley (Advantica Technologies Ltd, GB) | M. Uhrig (Ruhrgas, D) | P.M.A. Van Der Kam (Gastransport Services, NL) | P. Walshe (Bord Gais Eireann, IRL) |

#### Utilities Metro Committee*

| P. Arnac (Eureau, B) | R. Blackler (Advantica Technologies Ltd, GB) | J. Dehaeseleer (Electrabel, B) | A. Dick (Eurelectric, GB) | P. Grosshennig (Bayerngas, D) | P. Kröhner (Euroheat & Power Unichal, B) | M. Marín (Fluxys, B) | D. Richelet (Schlumberger Industries, F) | J.L. Ryan (Eurelectric, GB) | J. Senave (Facogaz, B) |

#### WG Transmission Pipelines

| R. Bräuer (SGWA, CH) | M. Brown (Advantica Technologies Ltd, GB) | S.U. Dalsager (Dong, DK) | D. Deberdt (Fluxys, B) | M. Fuchs (OMV, A) | J. Gutierrez Pascual (Enagas, E) | K. Haring (Tigas, A) | R.D. Heinrich (Netg, Metg, Setg, D) | M. Kornalijnslijper (Gastransport Services, NL) |

* Multi-sectoral working party co-ordinated by Marcogaz
M. Ladefoged (Dong, DK) – F. Laurens (Gaz de France, F) – G. Linke (Ruhrgas, D) – V. Musazzi (Snam Rete Gas, I) – A. Oijord (Statoil, N) – J. Spiekhout (Gastransport Services, NL)

WG Transmission SMS

Pipelines Federations Group *
J. Alberti (Dow Benelux, NL) – Ms. J. Bugler (IMCA, GB) – S. Cassidy (Cefic, B) – T. Knight (BOC Ltd, GB) – M. Kornalijnslijper (Gastransport Services, NL) – G. Linke (Ruhrgas, D) – E. Martin (Concawe, B) – J. Mocquart (Concawe, F) – M. Paty (Gaz de France, F) – H. Puype (EIGA, B) – B. Raggett (Oil and Gas Producers Association, B) – J.M. Sagot (EIGA, F) – M. Verlinden (Fluxys, B) – W. Vranckx (Nederlandse Aardolie Maatschappij, NL) – E. Wiemann (Oil and Gas Producers Association, B)

→ PE Pipes

→ Steel Pipes: to be defined

Joint Group Environment Eurogas-Marcogaz

→ Emissions Trading
J-L. De Schutter (Fluxys, B) – Mrs Ch. Faure Fedigan (Gaz de France, F) – L. Gorospe (Gas Natural, E) – J.K. Jensen (Danish Gas Technology Centre, DK) – P. Karinen (Gasum Oy, FL) – J. H. Mortensen (Dong, DK) – Mrs. S. Boettger (BGW, D) – D. Skelly (LTO, UK) – T. Veenstra (Gastransport Services, NL)

→ Methane Emissions
M. Girard (Italgas, I) – A. Howie (Transco, UK) – M. Mondino (Italgas, I) – A. Riva (Snam Rete Gas, I) – A-Y. Marchal (Gaz de France, F) – J. Vorgang (Ruhrgas, D)

→ Health and Safety
D. Deberdt (Fluxys, B) – L. Demoulin (Gaz de France, F) – A. Howie (Transco, UK) – M. Mondino (Italgas, I) – Th. Taschmanns (Ruhrgas, D) – A. Riva (Snam Rete Gas, I) – T. Veenstra (Gastransport Services, NL)

* Multi-sectoral working party co-ordinated by Marcogaz

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