

Argentina

BASIC DATA

Land area: 2 736 690 sq km; comparative area: slightly less than three-tenths the size of the US.

Population: 34 292 000; growth rate: 1.11%; labor force: 10.9 million; literacy: 95%, age 15 and over.

GDP: \$270.8 billion; real growth rate: 6%; national product per capita: \$7990.

Exports: \$15.7 billion; meat, wheat, corn, oilseed, manufactures. Partners: US-12%, Brazil, Italy, Japan, Netherlands.

Imports: \$21.4 billion; machinery, chemicals, metals, fuels and lubricants, agricultural products. Partners: US-22%, Brazil, Germany, Bolivia, Japan, Italy, Netherlands.

NATIONAL MSTQ COORDINATION

1.1 Department of Industry
Argentine Ministry of Economy, Public Works,
and Services
Av. Julio A. Roca 651
1322 Buenos Aires

Tel.: (54-1) 349-4351

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Departamento de Física y Metrología
Instituto Nacional de Tecnología Industrial
Av. Leandro N. Alem 1067, 7 piso
1001 - Buenos Aires

Tel.: (54-1) 313-3368; Fax: (54-1) 313-2130
E-mail: inti@inticc.edu.ar

This is a government body.

Participates in: SIM.

Accreditor:

2.2 Organismo Argentino de Acreditación
Address same as 2.1.

Tel.: (54-1) 313-3013; Fax: (54-1) 313-2130

This is a private sector organization.

Number of accredited secondary calibration labs: nine.

Legal metrology administrator:

2.3 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Instituto Argentino de Normalización
Chile 1192
1098 Buenos Aires

Tel.: (54-1) 383-3751; Fax: (54-1) 383-8463
E-mail: postmaster@iram.org.ar

This is a private sector organization.

Participates in: ISO. Regional: COPANT, MERCOSUR, FTAA, CMN.

Founded: 1935; staff-111; total number of committee members: 3000.

Annual budget: \$4 million; Portion of revenue from sales of publications and services-15%; certification-55%; private sector subscription-30%.

Total number of publicly available standards: 7900.

Number of standards published or approved by primary standards body: 7900.

Voluntary-95%; mandatory-5%.

Identical to, technically equivalent, or based on international standards: 60%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a private sector organization.

Participates in: ILAC, IAF. Regional: MERCOSUR.

Private sector accreditor of testing laboratories:

4.2 Same as 2.2.

Number of accredited testing laboratories: 2.

Number of accredited product certifiers:

government agencies and institutions - no response.

private sector - one in process.

Countries with product certification MOUs: Brazil.

Government accreditor of product certifiers:

4.3 No response.

Private sector accreditor of product certifiers:

4.4 Same as 2.2.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 170.

Number of registrars geographically located in Argentina: 17.

Number of registrars accredited by the national accreditor: 3 in process.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

Countries with quality registration MOUs: None.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Same as 2.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A : 9 Third-party technical inspection

organizations

B : 9 Welders

C : 9 Non-destructive testing technicians

D 9 9 Quality Assessor certifiers

E 9 9 Quality Assessor training providers

F 9 9 Quality training providers

G 9 9 Quality consultants

H 9 9 Other

Responsible certifying organizations are:

6.1 A: Same as 2.2.

6.2 B: Same as 3.1.

6.3 C: Det Nordske Veritas.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: No response.

WTO Enquiry Point

6.4 Secretaría de Industria y Comercio Exterior
Dirección Nacional de Negociaciones Económicas y Comerciales
Av. Julio A. Roca 651 - 4 piso, sector 1
1322 Buenos Aires

Tel.: (54-1) 349-4039; Fax: (54-1) 349-4038

A list of all mandatory standards is available in Spanish.

A list of all publicly available standards is available in Spanish.

Australia

BASIC DATA

Land area: 7 617 930 sq km; comparative area: slightly smaller than the US.

Population: 18 322 000; growth rate: 1.31%; labor force: 8.63 million; literacy: 100%, age 15 and over.

GDP: \$375 billion; real growth rate: 6.4%; national product per capita: \$20 720.

Exports: \$50.4 billion; coal, gold, meat, wool, alumina, wheat, machinery and transport equipment. Partners: Japan-25%, US-11%, South Korea-6%, New Zealand-5.7%.

Imports: \$51.1 billion; machinery and transport equipment, computers and office machines, crude oil and petroleum products. Partners: US-23%, Japan-18%, UK-6%, Germany-5.7%, New Zealand-4%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

National coordinator:

2.1.1 National Standards Commission
P.O. Box 282
North Ryde, N.S.W. 2113

Tel.: (61-2) 888-3922; Fax: (61-2) 888-3033

Primary laboratory:

2.1.2 National Measurement Laboratory
Bradfield Road
West Lindfield N.S.W. 2070

Fax: (61-2) 413-7631

This is a government body.

Accreditor:

2.2 National Association of Testing Authorities Australia (NATA)
7 Leeds Street
Rhodes, N.S.W. 2138

Tel.: (61-2) 736-8222; Fax: (61-2) 743-5311
Website: <http://www.aaa.com.au/nata>

This is a private sector organization.

Number of accredited secondary calibration labs: 200.

Legal metrology administrator:

2.3 Same as 2.1.

Participates in: OIML. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standards Australia
P.O. Box 1055
Strathfield N.S.W. 2135

Tel.: (61-2) 746-4700; Fax: (61-2) 746-8450
E-mail: intsect@saa.sa.telememo.au

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: APEC, PASC, ACCSQ.

Founded: 1922; staff-309; total number of committee members: 9000.

Annual budget: \$10.7 million; portion of revenue from sales of publications and services-69%; private sector subscription-9%; government subvention-14%; other-8%.

Number of standards published or approved by primary standards body: 5400.

Voluntary-70%; mandatory-30%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a private sector organization.

Participates in: ILAC. Regional: APLAC.

Countries with test and calibration MRAs: USA, UK, New Zealand, Hong Kong, Sweden, Netherlands and Singapore. An MRA with the European Cooperation for Accreditation Laboratories (EAL) covers testing laboratories in 12 countries. MRA for calibration laboratories is being finalized.

Private sector accreditor of testing laboratories:

4.2 Same as 2.2.

Number of accredited testing laboratories: 2328.

Private sector accreditor of product certifiers:

4.3 Joint Accreditation System of Australian and New Zealand (JAS-ANZ)
P.O. Box 164
Civic Square, A.C.T. 2608

Tel.: (61-6) 276-1999; Fax: (61-6) 276-2041
E-mail: jhulbert@dist.gov.au

Countries with product certification system MOUs: USA.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 The Australian Organization for Quality
P.O. Box 123
Flemington Markets, N.S.W. 2129

Tel.: (61-2) 746-2411; Fax: (61-2) 746-2377

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 10 000.
Number of registrars geographically located in Australia: 17.
Number of registrars accredited by the national accreditor: 14.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

Tel.: (61-6) 276-1999; Fax: (61-6) 276-2041
E-mail: jhulbert@dist.gov.au

Countries with quality registration MOUs or MRAs: Japan, Netherlands, Korea, Malaysia, EAC, US.
Participates in: ISO/TC 176, CASCO, IAF, PAC, IATCA.

Certifier of quality assessors:

5.3 Quality Society of Australasia
P.O. Box 742
Crows Nest, N.S.W. 2065

Tel.: (61-2) 9901-9944; Fax: (61-2) 9901-4677

This is a private sector organization.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	:	9	Third-party technical inspection organizations
B	9	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, C, D, E and F: Same as 2.2.

Environmental management systems

National interim standards exist.
Number of facilities at which these standards are implemented: 40.
Number of EMS registrars geographically located in Australia: 9.
Number of EMS registrars accredited by the national accreditor: pilot program being conducted.

National accreditor of environmental management system registrars:

6.2 Same as 2.2.

WTO Enquiry Point

6.3 Trade Obligations Section (GTO)
Trade Negotiations and Organisations Division
Department of Foreign Affairs and Trade
Canberra
A.C.T. 2600

Tel.: (61-6)261-3037; Fax: (61-6) 273-1527

A list of all mandatory standards is not available.
A list of all publicly available standards is not available.

Austria

BASIC DATA

Land area: 82 730 sq km; comparative area: slightly smaller than Maine.

Population: 7 987 000; growth rate: 0.35%; labor force: 3.47 million; literacy: 100%, age 15 and over.

GDP: \$139.3 billion; real growth rate: 2.5%; national product per capita: \$17 500.

Exports: \$44.1 billion; machinery, iron and steel, lumber, textiles, paper products, chemicals. Partners: EU-63.5% (Germany-38.9%), EFTA-9%, Eastern Europe-12.3%, Japan-1.5%, US-3.4%.

Imports: \$53.8 billion; petroleum, foodstuffs, machinery, vehicles, chemicals, textiles and clothing, pharmaceuticals. Partners: EU-66.8% (Germany-41.3%), EFTA-6.7%, Eastern Europe-7.5%, Japan-4.4%, US-4.4%.

NATIONAL MSTQ COORDINATION

- 1.1 Federal Ministry for Economic Affairs
Section IX/2
Stubenring 1
A-1011 Wien

Tel.: (43-1) 71102 Fax: (43-1) 714-3582

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Legal metrology administrator:

- 2.1 Gruppe Eichwesen
Bundesamt für Eich- und Vermessungswesen
Postfach 20
Arltgasse 35
A-1163 Wien

Tel.: (43-1) 491101; Fax: (43-1) 492-0875

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Austrian Standards Institute
Heinestrasse 38
Postfach 130
A-1021 Wien

Tel.: (43-1) 21300; Fax: (43-1) 2130-0650
E-mail: iro@tbxa.telecom.at

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1920; staff-111; total number of committee members: 7700.

Annual budget: \$19.5 million; portion of revenue from sales of publications and services-53%; certification and testing-1.4%; private sector subscription-2.2%; government subvention-7%.

Total number of publicly available standards: 7500.

Number of standards published or approved by primary standards body: 7500.

Voluntary-88.5%; mandatory-11.5%.

Identical to, technically equivalent, or based on international standards: no response.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.

This is a government body.

Participates in: Regional: EAL, EAC.

Government accreditor of testing laboratories:

- 4.2 Same as 1.1.
No data provided.

Number of EU recognized Notified Bodies:

No response.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Private sector accreditor of product certifiers: None.

6.2.2

B: SZA
Arsenal. Objckt 207
1030 Wien

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1200.

Number of registrars geographically located in Austria: 6.

Number of registrars accredited by the national accreditor: 3.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Countries with quality registration MOUs or MRAs: No information provided.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Certifier of quality assessors: None.

6.2.3

B: WIFI Osterreich
Wiedner Hauptstrasse 63
1045 Wien

6.2.4

B: OGIZP
Krugerstrasse 16
1015 Wien

6.2.5

B: bfi-CERT
8700 Leoben
Kappenstrasse 7

6.3 C: Same as: 6.2.4.

6.4 D, E: ÖQS

Tel.: (43-1) 533-3050 Fax: (43-1) 533-3050-9

6.5 F: ÖVA

Tel.: (43-1) 533-3052 Fax: (43-1) 533-3050-9

National accreditor of environmental management system registrars:

6.6 Same as 1.1.

This is a government body.

Participates in: ISO/TC 207. Regional: EMAS.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	:	:	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Environmental management systems

Standards do not exist.

WTO Enquiry Points

6.7.1 For technical regulations and certification systems:

Federal Ministry for Economic Affairs
Division I/6
Stubenring 1
A-1011 Wien
Tel.: (43-1) 71100/ext.5452; Fax: (43-1) 715-9651

6.7.2 For nongovernmental standards:

Same as 3.1.

Responsible certifying organizations are:

6.1 A: FMEA

Same as 1.1.

6.2.1

B: INDUZERT
4020 Linz
Voest-Alpine-Strasse 3

A list of all mandatory standards is available in German.

A list of all publicly available standards is available in German and English.

Belarus

BASIC DATA

Not Available.

NATIONAL MSTQ COORDINATION

- 1.1 The Republic of Belarus's State Committee for Standardization, Metrology and Certification (GOSSTANDART of Belarus)
Tel. 237-5213; Fax: 237-2588
Internet: BELST@MCSM.BELPAK.MINSK.BY

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Same as 1.1.

Accreditor of calibration laboratories:

- 2.2 Same as 1.1.

Number of accredited secondary calibration labs: 50.

Legal metrology administrator:

- 2.3 Same as 1.1.

Member OIML.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 1.1.

Participates in: ISO, IEC; Regional: Eurasian Council for Standardization and Certification.

Annual Budget: N/A; portion of revenue from government subvention 100%.

Total number of publicly available standards: 19 000.

Number of standards published or approved by primary standards body: 19 000; voluntary-0%; mandatory-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.

Government accreditor(s) of testing laboratories:

- 4.2 Same as 1.1.

Number of government accredited testing laboratories: 205.

Government accreditor(s) of product certifiers:

- 4.3 Same as 1.1.
-

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Same as 1.1.

National accreditor of quality management system registrars:

- 5.2 Same as 1.1.

Certifier of quality assessors:

- 5.3 Same as 1.1.

Belgium

BASIC DATA

Land area: 30 230 sq km; comparative area: slightly larger than Maryland.

Population: 10 million; growth rate: 0.17%; labor force: 4.13 million.

GDP: \$181.5 billion; real growth rate: 2.3%; national product per capita: \$18 040.

Exports: \$17 billion; iron and steel, transportation equipment, tractors, diamonds, petroleum products. Partners: EU-75.5%, US-3.7%.

Imports: \$120 billion; fuels, grains, chemicals, foodstuffs; partners: EU-73%, US-4.8%, oil exporters-4%.

NATIONAL MSTQ COORDINATION

- 1.1 Conseil National D'Accreditation et de Certification
c/o Ministère des Affaires Economiques Secrétariat
North Gate III
Boulevard Emile Jacqmain 154
B - 1000 Bruxelles

Tel.: (32-2) 206-4721; Fax: (32-2) 206-5744

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Service de la Metrologie
Address same as 1.1.

Tel.: (32-2) 206-4735; Fax: (32-2) 206-5745

This is a government body.

Participates in: BIPM. Regional: EUROMET.

Accreditor:

- 2.2 Belgium Organization for Certification (BELCERT)
Address same as 1.1.

Tel.: (32-2)206-4685; Fax: (32-2) 206-5745

Number of accredited secondary calibration labs: 14.

Participates in: Regional: EAL.

- 2.3 Same as 2.1.

Tel.: (32-2)206-4735; Fax: (32-2)206-5745

This is a government body.

Participates in: Member OIML since start. Regional: WELMEC.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Institut Belge de Normalisation
Av. de la Brabançonne 29
B - 1000 Bruxelles

Tel.: (32-2) 738-0111; Fax: (32-2) 733-4264

E-mail: institut Normalisation@pophost.eunet.be

This is a parastatal affiliated with the Ministry of Economy.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, EOTC, EOQ, ETSI.

Founded: 1946; staff-42; total number of committee members: 6000.

Annual budget: \$0.5 million; portion of revenue from sales of publications and services-30%; private sector subscription-20%; government subvention-33%.

Total number of publicly available standards: 8545.

Number of standards published or approved by primary standards body: 7 342.

Voluntary-99%; mandatory-1%.

Number of standards bodies: national government-1; private sector-1.

Identical to, technically equivalent, or based on international standards: 90%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.

Tel.: (32-2)206-4680; Fax: (32-2) 206-5742

This is a government body.

Participates in: Regional: EAL.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of government accredited testing laboratories:
40.

Number of EU recognized Notified Bodies: No response.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 BELCERT Products
Currently being established.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Centre Belge Pour La Gestion de la Qualité
F. Williotstraat, 9
B - 2600 Berchem

Tel.: (32-3)280-4704; Fax: (32-3) 280-4719

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 2400.

Number of registrars geographically located in Belgium:
13.

Number of registrars accredited by the national accreditor: 13.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a government body.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: EAL, EOTC.

Certifier of quality assessors:

5.3 Belcert Personnes
Currently being established.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	:	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 4.1.

6.2 B, C and D: Same as 2.2.

6.3.1

E: Association Wallonne pour la Qualité (AWQ)
rue Puissant 13
B - 6000 Charleroi

Tel.: (32-7) 123-5706; Fax: (32-7) 123-5719

6.3.2

E: Vlaams Centrum voor Kwaliteitszorg (VCK)
Pontbeeklaan 43
B - 1731 Zellik

Tel.: (32-2) 466-0306 Fax: (32-2) 463-2728

6.3.3

E: Centre Qualité Région Bruxelloise (CQRB)
c/o IBN
avenue de la Brabançonne 29
B - 1000 Bruxelles

Tel.: (32-2) 738-0100; Fax: (32-2)733-4264

6.4 F: Same as 6.3.2.

6.5 G: Same as 6.3.3.

Environmental management systems

National standards do not exist.

Number of facilities at which these standards are implemented: 2-EMAS, 1-ISO 14000.

Number of EMS registrars geographically located in Belgium: 4.

Number of EMS registrars accredited by the national accreditor: None.

National accreditor of environmental management system registrars:

6.6 Same as 2.2.

Tel.: (32-2) 206-4721; Fax: (32-2) 206-5744

This is a government body.

Participates in: Regional: EAC.

WTO Enquiry Point:

6.7 Same as 3.1.

Tel.: (32-2) 738-0111; Fax: (32-2) 733-4264

A list of all mandatory standards is available in French and Dutch.

A list of all publicly available standards is available in French and Dutch.

Bolivia

BASIC DATA

Land area: 1 084 390 sq km; comparative area: slightly less than three times the size of Montana.

Population: 7 896 000; growth rate: 2.25%; labor force: 3.54 million; literacy: 80%, age 15 and over.

GDP: \$18.3 billion; real growth rate: 4.2%; national product per capita: \$2370.

Exports: \$1.1 billion; metals-39%, natural gas-9%, soybeans-11%, jewelry-11%, wood-8%, Partners: US-26%, Argentina-15%.

Imports: \$1.21 billion; capital goods 48%, chemicals-11%, petroleum-5%, food-5%. Partners: US-24%, Argentina-13%, Brazil-11%, Japan-11%.

NATIONAL MSTQ COORDINATION

1.1 National Council for Quality
Secretaria Nacional de Industria y Comercio
Av. Camacho 1488
Casillia 4480
La Paz

Tel.: (591-2) 372046; Fax: (591-2) 372047

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Bolivian Institute of Metrology (IBMETRO)
Av. Camacho No. 1488, Edit. Anexo SMIC
Casillia 5034
La Paz

Tel.: (591-2) 372045, ext. 111;
Fax: (591-2) 372047

This is a government body.

Participates in: Not a member of BIPM.

Accreditor:

2.2 Organismo Boliviano de Acreditacion (OBA)
Currently being established.

Legal metrology administrator:

2.3 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Bolivian Institute of Standardization and Quality (IBN ORCA)
Address same as 2.1.

Tel.: (591-2) 317262; Fax: (591-2) 317262

This is a private sector organization.

Participates in: ISO, FAO/Codex. Regional: COPANT, CMN.

Founded: 1993; staff-16; total number of committee members: 250.

Annual budget: \$0.25 million; portion of revenue from sales of publications and services-5%; testing and certification-75%; private sector subscription-20%.

Number of standards published or approved by primary standards body: 760.

Voluntary-90%; mandatory-10%.

Total number of publicly available standards: 760.

Identical to, technically equivalent, or based on international standards: 20%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Bolivian Accreditation Organization (OBA)
Currently being established.

Private sector accreditor of testing laboratories:

4.2 Same as 3.1.

Tel.: (591-2) 319185 Fax: (591-2) 317262

Government accreditor of product certifiers:

4.3 Same as 4.1.

QUALITY MANAGEMENT REGISTRATION

Participates in: Regional: COPANT 207.

Coordinator national quality awareness and implementation:

WTO Enquiry Point

5.1 Same as 3.1.

6.4 IBNORCA
Same as 3.1.

Fax: (591-2) 317262

National accreditor of quality management system registrars

5.2 Same as 4.1.

This is a mixed (government/private sector) organization.

Participates in: Regional: COPANT 176.

Certifier of quality assessors:

5.3 Same as 4.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	:	9	Quality consultants
H	:	9	Testing Laboratories

Responsible certifying organizations are:

6.1 A and D: OBA
Same as 4.1.

6.2 B, C, G and H: IBNORCA
Same as 3.1.

Environmental management system

National standards exist.

National accreditor of environmental management system registrars:

6.3 Same as 4.1.

Brazil

BASIC DATA

Land area: 8 456 510 sq km; comparative area: slightly smaller than the US.

Population: 160 737 000; growth rate: 1.22%; labor force: 57 million; literacy: 80%, age 15 and over.

GDP: \$886.3 billion; real growth rate: 5.3%; national product per capita: \$5580.

Exports: \$43.6 billion; iron ore, soybean bran, orange juice, footwear, coffee, motor vehicle parts. Partners: EU-27.6%, Latin America-21.8%, US-17.4%, Japan-6.3%.

Imports: \$33.2 billion; crude oil, capital goods, chemical products, foodstuffs, coal. Partners: US-23.3%, EU-22.5%, Middle East-13%, Latin America-11.8%, Japan-6.5%.

NATIONAL MSTQ COORDINATION

1.1 National Council of Metrology, Standardization, and Industrial Quality (CONMETRO)
Rua Santa Alexandrina, No. 416
Rio Comprido
20 261-232 Rio de Janeiro RJ

Tel.: (55-21) 293-9002; Fax: (55-21) 293-0954

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Institute for Metrology, Standardization and Industrial Quality (INMETRO)
Same as 1.1.

Tel.: (55-21) 502-1009; Fax: (55-21) 502-6524

This is a government body.

Annual budget: \$50 million; portion of revenue from fees for services-70%; government subvention-30%.

Participates in: Member BIPM since 1875. Regional: SIM.

Accreditor:

2.2 INMETRO
Address same as 2.1.

Tel.: (55-21) 679-1311; Fax: (55-21) 679-1420

This is a government body.

Number of accredited secondary calibration labs: 65.

Legal metrology administrator:

2.3 INMETRO
Av. Nossa Senhora das Graças No. 50
Xerém
Duque de Caxias - 25250-020

Tel.: (55-21) 679-1407; Fax: (55-21) 679-1761

This is a government body.

Participates in: Member OIML since 1983.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Associação Brasileira de Normas Técnicas
Av. 13 de Maio, no 13, 27 andar
Caixa Postal 1680
20003-900 - Rio de Janeiro-RJ

Tel.: (55-21) 210-3122; Fax: (55-21) 532-2143

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: COPANT, MERCOSUR, CMN.

Founded: 1940; staff-195.

Annual budget: \$7.5 million; portion of revenue from sales of publications and services-17%; testing and certification-12%; private sector subscription-48%; government subvention-17%.

Number of standards published or approved by primary standards body: 8000.

Voluntary-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.1.

Tel.: (55-21) 293-5286; Fax: (55-21) 293-1564

This is a government body.

Participates in: ILAC. Regional: MERCOSUR.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of accredited testing laboratories: 70.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Brazilian Technical Committee for Quality
Av. 13 de Maio No. 13 - 27 Andar - Sala 2718
20003-900 - Rio de Janeiro-RJ

Tel.: (55-21) 220-6631; Fax: (55-21) 2201-6376

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1250.

Number of registrars geographically located in Brazil: 15.

Number of registrars accredited by the national accreditor: 11.

National accreditor of quality management system registrars:

5.2 INMETRO
Same as 4.1.

Tel.: (55-21) 293-5286; Fax: (55-31) 293-1564

This is a government body.

Countries with quality registration MOUs or MRAs: None.

Foreign quality system registrars are not required to be registered by the national accreditor.

Participates in: ISO/TC 176. Regional: COPANT with CB-25-Brazilian Committee for Quality - ABNT.

Certifier of quality assessors:

5.3 Currently being established.

This is a government body.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	:	Inspection bodies for transport of dangerous products

Responsible certifying organizations are:

6.1 A through H: INMETRO
Same as 2.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 100.

Number of EMS registrars geographically located in Brazil: 2.

WTO Enquiry Point

6.2 Centro de Informação e Difusão Tecnológica - CIDIT
Rua Santa Alexandrina, 414, 8º andar
20261-232 Rio de Janeiro-RJ

Tel.: (55-21) 293-0616; Fax: (55-21) 293-1564

A list of all mandatory standards is available in Portuguese.

A list of all publicly available standards is available in Portuguese.

Canada

BASIC DATA

Land area: 9 220 970 sq km; comparative area: slightly larger than the US.

Population: 28 435 000; growth rate: 1.09%; labor force: 13.38 million; literacy: 97%, age 15 and over.

GDP: \$639.8 billion; real growth rate: 4.5%; national product per capita: \$22 760.

Exports: \$164.3 billion; newsprint, wood pulp, timber, crude oil, machinery, natural gas, aluminum, motor vehicles and parts, telecommunications equipment. Partners: US, Japan, UK, Germany, South Korea, Netherlands, China.

Imports: \$151.5 billion; crude oil, chemicals, motor vehicles and parts, consumer goods, computers, telecommunications equipment and parts. Partners: US, Japan, UK, Germany, France, Taiwan, South Korea.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Institute for National Measurement Standards
National Research Council of Canada
Ottawa, ON K1A 0R6

Tel.: (613) 993-9326; Fax: (613) 952-5113
E-mail: ray.vankoughnett@nrc.ca

This is a government body.

Annual budget: \$6.8 million; portion of revenue from fees for services-12%; government subvention-88%.

Participates in: Member BIPM since 1907. Regional: NORAMET.

Accreditor:

2.2 Standards Council of Canada
1210-45 O'Connor
Ottawa, ON K1P 6N7

Tel.: (613) 238-3222; Fax: (613) 995-4564
E-mail: enilsen@sci.ca

This is a government body.

Number of accredited secondary calibration labs: 14.

Legal metrology administrator:

2.3 Legal Metrology Branch
Industry Canada
Standards Building, Tunney's Pasture
Ottawa, Ontario K1A 0C9

Tel.: (613) 952-0655; Fax: (613) 957-1265
E-mail: johnston.alan@ie.ge.ca

This is a government body.

Participates in: Member OIML since 1982. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standards Council of Canada
45 O'Connor Street, Suite 1200
Ottawa, Ontario K1P 6N7

Tel.: (613) 238-3222; Fax: (613) 995-4564
E-mail: info@scc.ca

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: NAFTA.

Founded: 1970; staff-60.

Annual budget: \$11.2 million; portion of revenue from sales of publications and services-23%; government subvention-62%.

Total number of publicly available standards: 5500.

Number of standards published or approved by primary standards body: 1800.

Voluntary-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 SCC Program for Accreditation of Laboratories
Address same as 2.1

This is a government body.

Participates in: ILAC.

Government accreditor of product certifiers:

4.2 Same as 2.1.

QUALITY MANAGEMENT REGISTRATION

National accreditor of quality management system registrars:

5.1 Same as 2.1.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 3000.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 SCC Standards and Information Service
Same as 2.1.

Chile

BASIC DATA

Land area: 748 800 sq km; comparative area: slightly smaller than twice the size of Montana.

Population: 14 161 000; growth rate: 1.49%; labor force: 4.73 million; literacy: 94%, age 15 and over.

GDP: \$97.7 billion; real growth rate: 4.3%; national product per capita: \$7010.

Exports: \$11.5 billion; copper-41%, other metals and minerals-8.7%, wood-7.1%, fish and fishmeal-9.8%, fruits-8.4%. Partners: EU-29%, Japan-17%, US-16%, Argentina-5%, Brazil-5%.

Imports: \$10.9 billion; capital goods-25.2%, spare parts-24.8%, raw materials-15.4%, petroleum-10%, foodstuffs-5.7%. Partners: EU-24%, US-21%, Brazil-10%, Japan-10%.

NATIONAL MSTQ COORDINATION

1.1 Instituto Nacional de Normalizacion (INN)
Matias Cousiño 64 - 60 piso
Casilla 995 - Correo Central
Santiago

Tel.: (56-2) 696-8144; Fax: (56-2) 696-0247

This is a parastatal organization.

METROLOGY AND CALIBRATION SERVICES

Calibration Coordinator:

2.1 Laboratorio de Metrologia
Universidad Catolica de Chile
Vicuna Mackenna 4860
Santiago

Tel.: (56-2) 686-4630; Fax: (56-2) 686-5828
E-mail: ilira@ing.puc.cl

This is a private sector calibration laboratory. No primary laboratory exists in Chile.

Annual budget: Portion of revenue from fees for services-100%

Participates in: Regional: SIM.

Accreditor:

2.2 Planning is underway.

Legal metrology administrator:

None.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same 1.1.

Participates in: ISO, ITU, FAO/Codex. Regional: COPANT, APEC/SCSC.

Founded: 1973; staff-43.

Annual budget: \$1.9 million; portion of revenue from sales of publications and services-10%; government subvention-62%.

Number of standards published or approved by primary standards body: 1900.

Voluntary-70%; mandatory-30%.

TESTING AND PRODUCT CERTIFICATION

Private sector accreditor of testing laboratories:

4.1 Same as 1.1.

Private sector accreditor of product certifiers:

4.2 Same as 1.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Asociación Chilena de Control de Calidad
Casilla 509-V
Correo 21
Santiago

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Certifier of quality assessors:

5.3 Same as 1.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A 9 9 Third-party technical inspection

			organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 D: INN
Same as 1.1.

Environmental management systems

No response.

WTO Enquiry Point

6.2 Directorate-General for International Economic
Relations, Ministry of External Relations
Alameda Bernardo O'Higgins 1315 2 piso
Santiago

Tel.: (56-2) 696-0043; Fax: (56-2) 696-0639

A list of all mandatory standards is available in Spanish.
A list of all publicly available standards is available in
Spanish and English.

China

BASIC DATA

Land area: 9 326 410 sq km; comparative area: slightly larger than the US.

Population: 1 203 000 000; growth rate: 1.04%; labor force: 583.6 million; literacy: 78%, age 15 and over.

GDP: \$2.98 trillion (estimated); real growth rate: 11.8%; national product per capita: \$2500.

Exports: \$121 billion; textiles, garments, footwear, toys, machinery, weapon systems. Partners: Hong Kong, Japan, US, Germany, South Korea, Russia.

Imports: \$115.7 billion; rolled steel, motor vehicles, textile machinery, petroleum products, aircraft. Partners: Japan, Taiwan, US, Hong Kong, Germany, South Korea.

NATIONAL MSTQ COORDINATION

1.1 China State Bureau of Technical Supervision
4, Zhichun Road
Haidian District
P.O. Box 8010
Beijing 100088

Tel.: (86-1) 6202-5835; Fax: (86-1) 6203-1010

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Institute of Metrology (NIM)
No. 18, Bei San Huang Dong LU
Beijing 100013, China

Tel.: (86-1) 6421-8703; Fax: (86-1) 6421-8703

This is a government body.

Annual budget: \$5.6 million; portion of revenue from fees for services-24%; government subvention-76%.

Participates in: Member BIPM since 1977. Regional: APMP, IMEKO.

Accreditor:

2.2 China National Accreditation Committee for Laboratories (CNACL)
Address same as 1.1.

Tel.: (86-1) 6236-1005; Fax: (86-1) 6203-1010

This is a government body.

Number of accredited secondary calibration labs: None.

Legal metrology administrator:

2.3 Same as 1.1.

Tel.: (86-1) 6236-9419; Fax: (86-1) 6203-1010

This is a government body.

Participates in: Member OIML since 1985. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Tel.: (86-1) 6203-2424; Fax: (86-1) 6203-3737

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: PASC, APEC.

Founded: 1957; staff-40; total number of committee members-25 000.

Annual budget: \$2.3 million; government subvention-100%.

Number of standards published or approved by primary standards body: 17 000.

Voluntary-90%; mandatory-10%.

Number of other standards bodies: national government - 88, 58 ministries and 30 provincial authorities; private sector - None.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 China National Accreditation Committee for Product Certification Bodies (CNACP)
Address same as 2.1

This is a government body.

Participates in: IECEE, IECQ, IAF, QSAR/ISO. Regional: PAC.

Government accreditors of testing laboratories:

4.2.1 China National Accreditation Committee for Laboratories
Address same as 1.1.

4.2.2 State Administration for Import and Export
Commodity Inspection of PRC
Fangcaodi Xijie 15
Beijing 100022

Number of accredited testing laboratories: 220.
Private sector accreditor of testing laboratories: None.
Number of accredited product certifiers: government agencies and institutions - None. Private sector - None.
Historically all product certifiers were set up by sectors and ministries. National accreditation service will be operated soon after procedures and criteria are developed.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Tel.: (86-10) 6202-2288 ext 9001;
Fax: (86-10) 6203-1010

Countries with product certification MOUs or MRAs: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 China Quality Control Association
P.O. Box 2210
Beijing

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 769.
Number of registrars geographically located in China: 35.
Number of registrars accredited by the national accreditor: 25.

National accreditor of quality management system registrars:

5.2 China National Accreditation Committee for Quality System Registration Bodies (CNAC)
Address same as 1.1.

This is a government body.

Countries with quality registration MOUs or MRAs: None.

Foreign quality system registrars are required to be registered by the national accreditor.

Participates in: ISO/TC 176, IAF, IATCA, QSAR.
Regional: PAC.

Certifier of quality assessors:

5.3 China National Registration Board for Auditors (CRBA)
Address same as 1.1.

Tel.: (86-10) 6204-6174; Fax: (86-10) 6203-1010

This is a government body.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary		Mandatory
A	: 9	Third-party technical inspection organizations
B	9 :	Welders
C	9 :	Non-destructive testing technicians
D	: 9	Quality Assessor certifiers
E	9 :	Quality Assessor training providers
F	: 9	Quality training providers
G	: 9	Quality consultants
H	9 9	Other

Responsible accrediting/certifying organizations were not identified.

Environmental management systems

No response.

Information Center

6.1 Same as 1.1.

A list of all mandatory standards is available in Chinese with English abstracts or subtitles.

A list of all publicly available standards is available in Chinese with English abstracts and subtitles.

Colombia

BASIC DATA

Land area: 1 038 700 sq km; comparative area: slightly less than three times the size of Montana.

Population: 36 200 000; growth rate: 1.7%; labor force: 12 million; literacy: 88%, age 15 and over.

GDP: \$172.4 billion; real growth rate: 5.7%; national product per capita: \$4850.

Exports: \$8.3 billion; petroleum, coffee, coal, bananas, fresh cut flowers. Partners: US-39%, EU-25.7%, Japan-2.9%, Venezuela-8.5%.

Imports: \$10.6 billion; industrial equipment, transportation equipment, consumer goods, chemicals, paper products. Partners: US-36%, EU-18%, Brazil-4%, Venezuela-6.5%, Japan-8.7%.

Address same as 2.1

Tel.: (57-1) 315-0377; Fax: (57-1) 222-1435

E-mail: sicontec@itecs5.telecom-co.net

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: COPANT, PASC, JUNAC.

Founded: 1963; staff-140.

Annual budget: \$4.5 million; portion of revenue from sales of publications and services-10%; training, testing and certification-50%; private sector subscription-19%; government subvention-17%.

Number of standards published or approved by primary standards body: 4000.

Voluntary-92%; mandatory-8%.

Number of other standards bodies: private sector-1.

NATIONAL MSTQ COORDINATION

1.1 Superintendencia de Industria y Comercio
Carrera 13 #27-00 piso 10
Bogota D.C.

Tel.: (571) 334-1221 and (571) 281-3515;

Fax: (571) 334-1593

This is a government body.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Private sector accreditor of product certifiers: None.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Centro de Control de Calidad y Metrología
Cra. 37 No. 52-95, piso 4
Santafé de Bogotá

Tel.: (57-1) 221-8715; Fax: (57-1) 221-8695

This is a private sector organization.

Legal metrology administrator:

2.2 Same as 2.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Corporacion Calidad
Carrera 20-90-40
Bogota. D.C.

Tel.: (571) 622-0811; Fax: (571) 611-2630

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Instituto Colombiano de Normas Técnicas
(ICONTEC)

National accreditor of quality management system registrars:

5.2 Same as 1.1.

This is a government body.

Countries with quality registration MOUs or MRAs:

Venezuela.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: ICONTEC
Same as 3.1.

Environmental management systems

National standards exist.

Number of EMS registrars geographically located in Colombia: None.

Number of EMS registrars accredited by the national accreditor: None.

National accreditor of environmental management system registrars:

6.2 Same as 1.1.

WTO Enquiry Point

6.3 Ministerio de Desarrollo Económico
División de Normalización y Calidad
Dirección: Carrera 13 No. 28-01, Piso 8
Santafé de Bogotá

Tel.: (571) 338-0641; Fax: (571) 245-7256

Costa Rica

BASIC DATA

Land area: 50 660 sq km; comparative area: slightly smaller than West Virginia.

Population: 3 419 000; growth rate: 2.24%; labor force: 868 300; literacy: 93%, age 15 and over.

GDP: \$16.9 billion; real growth rate: 4.3%; national product per capita: \$5050.

Exports: \$2.1 billion; coffee, bananas, textiles, sugar. Partners: US, Germany, Italy, Guatemala, El Salvador, Netherlands, UK, France.

Imports: \$2.9 billion; raw materials, consumer goods, capital equipment, petroleum. Partners: US, Japan, Mexico, Guatemala, Venezuela, Germany.

NATIONAL MSTQ COORDINATION

1.1 Ministerio de Ciencia y Tecnologia
P.O. Box 5589-1000
San José

Tel.: (506) 296-3000; Fax: (506) 290-1044

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Ministerio de Economia Industria y Comercio
Oficina Nacional de Normas y Unidades de Medida
Ciudad Cientifica, UCR
San Pedro, Montes de Oca
San José

Tel.: (506) 283-6580; Fax: (506) 283-5133

This is a government body.

Accreditor:

2.2. Being established.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Instituto de Normas Técnicas de Costa Rica
(INTECO)
400 Norte de Muñoz y Name
Ciudad Cientifica
San Pedro, Montes de Oca
San José

Tel.: (506) 283-4522; Fax: (506) 283-4831

E-mail: inteco@sol.racsa.co.cr

This is a private sector organization.

Participates in: ISO, ITU, FAO/Codex. Regional: COPANT.

Founded: 1987; staff-7; total number of committee members-48.

Annual budget: \$223 000; portion of revenue from sales of publications and services-11%; private sector subscription-5%; government subvention-45%.

Total number of publicly available standards: 10 000.

Number of standards published or approved by primary standards body: 154.

Voluntary-80%; mandatory-20%.

Identical to, technically equivalent, or based on international standards: 90%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Being established.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Being established.

National accreditor of quality management system registrars:

5.2 Ente Nacional de Certificacion
Being established.
Address same as 1.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 2.1.

6.2 B and C: Universidad de Costa Rica
Instituto Tecnológico de Costa Rica
other private entities

6.3 D through F:
Same as 3.1.

Environmental management systems

National standards in draft.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.4 Dirección General de Normas y Unidades de Medida
Ministerio de Economía, Industria y Comercio
Apartado Postal 1736-2050
San Pedro de Montes do Oca

Tel.: (506) 283-5133; Fax: (506) 283-5133

Czech Republic

BASIC DATA

Land area: 78 645 sq km; comparative area: slightly smaller than South Carolina.

Population: 10 432 000; growth rate: 0.26%; labor force: 5.4 million; literacy: 99%, age 15 and over.

GDP: \$76.5 billion; real growth rate: 2.2%; national product per capita: \$7350.

Exports: \$13.4 billion; manufactured goods, machinery and transport equipment, chemicals, fuels, minerals, metal, agricultural products. Partners: Germany-28%, Slovakia-15.5%, Austria-7.9%, Italy-6.4%, France-3.2%, Russia-3.2%, US-2.1%.

Imports: \$13.3 billion; machinery and transport equipment, manufactured goods, chemicals, fuels and lubricants, raw materials, agricultural products. Partners: Germany-24%, Slovakia-15.6%, Russia-9.8%, Austria-7.6%, Italy-4.9%, France-3.6%, US-3.2%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Czech Metrological Institute
Okruzni 31
63800 Brno

Tel.: (42-5) 528755; Fax: (42-5) 529149

Legal metrology administrator:

2.2 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Czech Office for Standards, Metrology and Testing
Biskupsky dvur 5
110 02 Praha 1

Tel.: (42-2) 232-4430; Fax: (42-2) 232-4373

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1968; staff-51.

Annual budget: \$10 million; portion of revenue from sales of publications and services-22%; government subvention-78%.

Number of standards published or approved by primary standards body: 16 000.

Voluntary-10%; mandatory-90%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 3.1.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 3.1.

Government accreditor of product certifiers:

4.3 Same as 3.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION:

No response.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Same as 3.1.

Tel.: (42-2) 232-4564; Fax: (42-2) 232-4564

Denmark

BASIC DATA

Land area: 42 370 sq km; comparative area: slightly more than twice the size of Massachusetts.

Population: 5 200 000; growth rate: 0.22%; labor force: 2.6 million; literacy: 99%, age 15 and over.

GDP: \$103 billion; real growth rate: 4.5%; national product per capita: \$19 860.

Exports: \$42.9 billion; meat and meat products, dairy products, ships, fish, chemicals, industrial machinery. Partners: EU-54.3%, Sweden-10.5%, Norway-5.8%, US-4.9%, Japan-3.6%.

Imports: \$37.1 billion; petroleum, machinery, chemicals, grain and foodstuffs, textiles, paper. Partners: EU-53.4%, Sweden-10.8%, Norway-5.4%, US-5.7%, Japan-4.1%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Danish Institute of Fundamental Metrology
Anker Engelunds Vej 1
DK-2800 Lyngby

Tel.: (454) 593-1144; Fax: (454) 593-1137
E-mail: kc@dfm.dtu.dk

This is a private sector organization.

Annual budget: \$2 million; portion of revenue from fees for services-20%; government subvention-80%.

Participates in: Member BIPM since 1875.

Accreditor:

- 2.2 DANAK, Dansk Akkreditering
Danish Agency for Development of Trade and Industry
Tagensvej 137
DK-2200 Copenhagen N

Tel.: (453) 586-8686; Fax: (453) 586-8687

This is a government body.

Number of accredited secondary calibration labs: 50.

Legal metrology administrator:

- 2.3 Secretariat for Metrology
Danish Agency for Development of Trade and Industry
Address same as 2.2.

This is a government body.

Participates in: Member OIML since 1956.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Dansk Standard
Kollegievej, 6
DK-2920 Charlottenland

Tel.: (45-39) 96-6101; Fax: (45-39) 96-6102
E-mail: Dansk.Standard@ds.dk

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1926; staff-133.

Annual budget: \$25 million.

Number of standards published or approved by primary standards body: 3500.

Voluntary-92%; mandatory-8%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Dansk Institute for Provnng og Justering
Amager Boulevard 115
DK-2300 Copenhagen S

Tel.: (453) 1540-830; Fax: (453) 195-4700

No further information provided.

Number of EU recognized Notified Bodies: No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Danish Society for Quality
P. O. Box 52
DK-2950 Vedbaek

Tel.: (454) 289-1305; Fax: (454) 289-0812

No further information provided.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Same as 3.1.

Ecuador

BASIC DATA

Land area: 276 840 sq km; comparative area: slightly smaller than Nevada.

Population: 10 890 000; growth rate: 1.95%; labor force: 2.8 million; literacy: 87%, age 15 and over.

GDP: \$41.1 billion; real growth rate: 3.9%; national product per capita: \$3840.

Exports: \$3.3 billion; petroleum, bananas, shrimp, cocoa, coffee. Partners: US-42%, South America-29%, Caribbean and EU-17%.

Imports: \$3 billion; transport equipment, consumer goods, vehicles, machinery chemicals. Partners: US-28%, EU-17%, Latin America-31%.

NATIONAL MSTQ COORDINATION

1.1 Instituto Ecuatoriano de Normalizacion, INEN
Baquerizo Moreno 454 y Avda. 6 de Diciembre
Casilla 17-01-3999
Quito

Tel.: (593-2) 565626; Fax: (593-2) 567815
E-mail: inenl@inen.gov.ec

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

This is a government body.

Annual budget: \$1 497 000; portion of revenue from fees for services-40%; government subvention-60%.

Participates in: Regional: SIM.

Accreditor:

2.2 Planning is underway.

Legal metrology administrator:

2.3 Same as 1.1.

Participates in: Member OIML since 1975.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Participates in: ISO, ITU, FAO/Codex. Regional: COPANT.

Founded: 1970; staff-96; total number of committee members-120.

Annual budget: \$1 497 000; portion of revenue from sales of publications and services-2%; testing and certification-38%; government subvention-60%.

Number of standards published or approved by primary standards body: 2000.

Voluntary-5%; mandatory-95%.

Number of other standards bodies: None.

Total number of publicly available standards: 2000.

Identical to, technically equivalent, or based on international standards: 10%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Planning is underway.

Government accreditor of testing laboratories:

4.2 Planning is underway.

Private sector accreditor of testing laboratories:

4.3 Planning is underway.

Government accreditor of product certifiers:

4.4 Planning is underway.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Sociedad Ecuatoriana de Control de Calidad
Casilla 326
Cámara de Industrias
Cuenca

Tel.: (593-7) 830845; Fax: (593-7) 830945

Number of registrars geographically located in Ecuador:
None.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

- 5.2 Planning is underway.

Certifier of quality assessors:

- 5.3 Planning is underway.
-

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

- 6.1 A: INEN
Same as 1.1.
- 6.2 B: Instituto Nacional de Pesca
- 6.3 C: Servicio Ecuatoriano de Sanidad Agropecuaria
- 6.4 D: Instituto Nacional de Higiene Leopoldo Izquieta Pérez

Environmental management systems

Planning is underway.

Information Center

- 6.5 Ministerio de Industrias, Comercio Integración y Pesca
Subsecretaria de Comercio Exterior

Tel.: (593-2) 556784; Fax: (593-2) 504922

A list of all mandatory standards is available in Spanish and English.

A list of all publicly available standards is available in Spanish and English.

Finland

BASIC DATA

Land area: 305 470 sq km; comparative area: slightly smaller than Montana.

Population: 5 085 000; growth rate: 0.3%; labor force: 2.5 million; literacy: 100%, age 15 and over.

GDP: \$81.8 billion; real growth rate: 3.5%; national product per capita: \$16 140.

Exports: \$23.4 billion; paper and pulp, machinery, chemicals, metals, timber. Partners: EU-53.2%, EFTA-19.5%, US-5.9%, Russia-2.8%, Japan-1.3%.

Imports: \$18 billion; petroleum and petroleum products, chemicals, transport equipment, iron and steel, machinery, textiles. Partners: EU-47.2%, EFTA-19%, Russia-7.1%, US-6.1%, Japan-5.5%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Accreditor:

2.1 Finnish Accreditation Service (FINAS)
Centre for Metrology and Accreditation
P.O. Box 239
FIN-00181 Helsinki

Tel.: (358-0) 61671; Fax: (358-0) 616-7341

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Finnish Standards Association SFS
P.O. Box 116
FIN-00241 Helsinki

Tel.: (358-9) 149-9331; Fax: (358-9) 146-4925
Website: [www: http://www.sfs.fi/](http://www.sfs.fi/)

This is a private body officially recognized by government.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1924; staff-70.

Annual budget: \$13.7 million; portion of revenue from sales of publications and services-35%; certification-33%; private sector subscription-17%; government subvention-22%.

Number of standards published or approved by primary standards body: 5200.

Voluntary-86%; mandatory-14%.

Total number of publicly available standards: 7670.

Identical to technically equivalent, or based on international standards: 40%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.1.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 2.1.

Number of EU recognized Notified Bodies: 13.

Private sector accreditor of testing laboratories:

4.3 Same as 2.1.

Number of private sector accredited testing laboratories: 66.

Number of accredited product certifiers: private sector-2.

Government accreditor of product certifiers:

4.4 Same as 2.1.

Private sector accreditor of product certifiers:

4.5 Same as 2.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 The Finnish Society for Quality
Laaksohdentle 41
SF-02731 PLI Espoo

Tel.: (358-0) 597-348; Fax: (358-0) 509-1807

No further information provided.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A and D: FINAS
Same as 2.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 12.

Number of EMS registrars geographically located in Finland: 2.

Number of EMS registrars accredited by the national accreditor: 2.

National accreditor of environmental management system registrars:

6.2 Same as 2.1.

This is a government body.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.3 Same as 3.1.

Tel.: (358-9) 149-9331; Fax: (358-9) 146-4914

France

BASIC DATA

Land area: 545 630 sq km; comparative area: slightly more than twice the size of Colorado.

Population: 58 109 000; growth rate: 0.46%; labor force: 24.17 million; literacy: 99%, age 15 and over.

GDP: \$1.08 trillion; real growth rate: 2.4%; national product per capita: \$18 670.

Exports: \$249.2 billion; machinery, transportation equipment, chemicals, foods, agricultural products, iron and steel products, textiles and clothing. Partners: Germany-18.6%, Italy-11%, Belgium & Luxembourg-9%, UK-8.8%, Netherlands-7.9%, US-6.4%, Japan-2%.

Imports: \$238.1 billion; crude oil, machinery, agricultural products, chemicals, iron and steel products. Partners: Germany-17.8%, Italy-10.9%, US-9.5%, Spain-8.8%, Netherlands-8.5%, Belgium & Luxembourg-8.5%, UK-7.5%, Japan-4.1%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Bureau National de Métrologie
No response.

Accreditor:

2.2 Same as 2.1.

Legal metrology administrator:

2.3 Ministère de L'Industrie de la Poste et des
Télécommunications
Sous-Direction de la Métrologie
22, rue Monge
75005 Paris

Tel.: (33-1) 4319-5140; Fax: (33-1)4319-5136

This is a government body.

Participates in: Regional: WELMEC.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Association française de normalisation
Tour Europe
F-92049 Paris La Défense Cedex 07

Tel.: (33-1)4291-5555; Fax: (33-1) 4291-5656

E-mail: alain.durand@email.afnor.fr

This is a private body officially recognized by government.
Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1926; staff-620.

Annual budget: \$80 million; portion of revenue from sales of publications and services-27%; testing and certification-7%; private sector subscription-11%; government subvention-23.4%; all other-31.6%.

Number of standards published or approved by primary standards body: 19 470.

Voluntary-99%; mandatory-1%.

Total number of publicly available standards: 19 470.

Identical to technically equivalent, or based on international standards: 26%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Comité Français d'Accréditation (COFRAC)
37 Rue de Lyon
75012 Paris

Tel.: (33-1) 4468-8225; Fax: (33-1) 4468-8221

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of EU recognized Notified Bodies: No response.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Mouvement Français pour la Qualité
5, Esplanade Charles de Gaulle
92733 Nanterre Cedex

Tel.: (33-1) 4291-5995; Fax: (33-1) 4901-0685

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 5500.

Number of registrars geographically located in France: 21.

Number of registrars accredited by the national accreditor: 3.

National accreditor of quality management system registrars:

- 5.2 Same as 4.1.

This is a government body.

Countries with quality registration MOUs or MRAs:

Members of the European Union.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: EAL, EAC.

Certifier of quality assessors:

- 5.3 Association Française pour l' Assurance Qualité
116 Avenue Aristide Briand
BP40 - 92224 Bagneux Cedex

Tel.: (33-1) 4611-3737; Fax: (33-1) 4611-3777
Website: <http://www.afaq.fr>

This is a private sector organization.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 75.

Number of EMS registrars geographically located in France: 5.

Number of EMS registrars accredited by the national accreditor: 6.

National accreditor of environmental management system registrars:

- 6.1 Same as 4.1.

This is a government body.

Participates in: ISO/TC 207. Regional: EAL, EAC.

WTO Enquiry Point

- 6.2 Information Centre on Standards and Technical Regulations (CINORTECH)

Same as 3.1.

Tel.: (33-1) 4291-5669; Fax: (33-1) 4291-5656

Germany

BASIC DATA

Land area: 349 520 sq km; comparative area: slightly smaller than Montana.

Population: 81 338 000; growth rate: 0.26%; labor force: 36.75 million; literacy: 99%, age 15 and over.

GDP: \$1.345 trillion; real growth rate: 2.9%; national product per capita: \$16 580.

Exports: \$437 billion; manufactures-89.3% including machinery, chemicals, motor vehicles, iron and steel products, agricultural products-5.5%, raw materials and fuels-4%. Partners: EU-47.9%, EFTA-15.5%, US-7.7%, Eastern Europe-5.2%, OPEC-3%.

Imports: \$362 billion; manufactures-75.1%, agricultural products-10%, fuels-8.3%, raw materials-5%. Partners: EU-46.4%, EFTA-14.3%, US-7.3%, Japan-6.3%, Eastern Europe-5.1%, OPEC-2.6%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 PTB National Physics-Technical Institute
Bundesallee 100
Postfach 3345
D-3300 Braunschweig

Tel.: (49-531) 59280; Fax: (49-531) 592-4006

Accreditor:

- 2.2 Metrology Accreditation Authority (DKD)
Address same as 2.1

Legal metrology administrator:

- 2.3 Same as 2.1.

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 DIN Deutsches Institut für Normung
Burggrafenstrasse 6
Postfach 11 07
D-10787 Berlin

Tel.: (49-30) 26010; Fax: (49-30) 2601-1231
E-mail: postmaster@din.de

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1917; staff-1061; total number of committee members-35 000.

Annual budget: \$110 million; portion of revenue from sales of publications and services-67%; private sector subscription-17%; government subvention-16%.

Number of standards published or approved by primary standards body: 22 000.

Voluntary-100%.

Number of other standards bodies: private sector: 152.

Total number of publicly available standards: 37 000.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory and product certification accreditation:

- 4.1 Deutscher Akkreditierungs Rat (DAR)
Unter den Eichen 87
12205 Berlin

Tel.: (49-30) 81040; Fax: (49-30) 811-2029

Coordinator voluntary accreditation bodies for laboratories and certification:

- 4.2 German Association for Accreditation (TGA)
Stresemannallee 13
D-60596 Frankfurt am Main

Tel.: (49-69) 630-2380; Fax: (49-69) 630-2366

Number of EU recognized Notified Bodies: No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 German Society for Quality
P.O. Box 500763
D-6000 Frankfurt am Main 50

Tel.: (49-69) 5480-0113; Fax: (49-69) 5480-0133

National accreditor of quality management system registrars:

- 5.2 Same as 4.2.
-

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

- 6.1 DITR German Information Centre for Technical
Rules
Postfach 1107 Burggrafenstr. 6
D-10787 Berlin

Tel.: (49-30) 2601-2600; Fax: (49-30) 262-8125
E-mail: marschall@ditr.din.de

A list of all publicly available standards is available in German and English.

Greece

Tel.: (301) 778-0658; Fax: (301) 771-6305

This is a government body.

BASIC DATA

Land area: 130 800 sq km; comparative area: slightly smaller than Alabama.

Population: 10 648 000; growth rate: 0.72%; literacy: 95% age 15 and over.

GDP: \$93.7 billion; real growth rate: 0.4%; national product per capita: \$8870.

Exports: \$9 billion; manufactured goods 53%, foods 34%, fuels 5%. Partners: Germany-24%, Italy-14%, France-7%, UK-6%, US-4%.

Imports: \$19.2 billion; manufactured goods-72%, foods-15%, fuels-10%. Partners: Germany-16%, Italy-14%, France-7%, Japan-7%, UK-6%.

Legal metrology administrator:

2.3 Metrology Department
Ministry of Development
General Secretary of Commerce
Canning Sq.
101 81 Athens

Tel.: (301) 383-7438; Fax: (301) 384-2642

This is a government body.

Participates in: Member OIML since 1959. Regional: WELMEC.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1.1

National coordinator:
Hellenic Institute of Metrology (EIM)
80, Mihalakopoulou Str.
10192 Athens

Tel.: (301) 771-3156; Fax: (301) 771-6305

This is a government body.

Annual budget: \$400 000; portion of revenue from fees for services-8%; government subvention-92%.

Participates in: Regional: EUROMET.

2.1.2

Primary metrology laboratory:
Currently being established.
Industrial Area of Syndos
Oikodomiko Tetragono 18
Building no: 41

This is a government body.

Accreditor:

2.2 National council of Accreditation (ESYD)
Currently being established.
Temporary address same as 2.1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Hellenic Institute of Standardization
313, Achrnon Str.
11145 Athens

Tel.: (301) 201-9890; Fax: (301) 202-0776

This is a government body.

Participates in: ILAC. Regional: EAL, EAC.

Founded: 1976; staff-72.

Annual budget: \$6.7 million; portion of revenue from sales of publications and services-2%; testing and certification-16%; private sector subscription-0.6%; government subvention-74%.

Number of standards published or approved by primary standards body: 2300.

Voluntary-99.6%; mandatory-0.4%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 National Council of Accreditation
Same as 2.1.1.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same 4.1

Number of EU recognized Notified Bodies: No response.

Private sector accreditor of testing laboratories: No response.

Government accreditor of product certifiers:

4.3 Same as 4.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 None identified.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Same as 3.1.

Hong Kong

BASIC DATA

Land area: 990 sq km; comparative area: slightly less than six times the size of Washington, DC.

Population: 5 543 000; growth rate: -0.12%; labor force: 2.8 million; literacy: 77%, age 15 and over.

GDP: \$136.1 billion; real growth rate: 5.5%; national product per capita: \$24 530.

Exports: \$168.7 billion including re-exports of \$121 billion; clothing, textiles, footwear, electrical appliances, watches, toys. Partners: China-32%, US-23%, German-5%, Japan-5%, UK-3%.

Imports: \$160 billion; foods, transport equipment, raw materials, semi-manufacturers, petroleum. Partners: China-36%, Japan-19%, Taiwan-9%, US-7%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Hong Kong Government Standards and Calibration Laboratory
Industry Department
36/F., Immigration Tower
7 Gloucester Road
Wan Chai

Tel.: (852) 2829-4830; Fax: (852) 2824-1302
E-mail: hkscl@id.gen.gov.hk

This is a government body.

Participates in: Regional: APMP.

Accreditor:

2.2 Hong Kong Laboratory Accreditation Scheme (HOKLAS)
Address same as 2.1

Tel.: (852) 2829-4838; Fax: (852) 2824-1302
E-mail: hoklas@id.gen.gov.hk

This is a government body.

Number of accredited secondary calibration labs: 15.

Legal metrology administrator:

2.3 Customs and Excise Department
Units 1201-7, Nan Fung Commercial Centre
19 Lam Lok Street, Kowloon Bay
Kowloon

Tel.: (852) 2707-7718; Fax: (852) 2519-7302
E-mail: pttcpdnf@hkstar.com

This is a government body.

Participates in: Member OIML since 1982. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 2.1.

Tel.: (852) 2829-4824; Fax: (852) 2824-1302

This is a government body.

Participates in: ISO.

Founded: None identified; staff-230.

Annual budget: \$69.03 million; government subvention-100%.

Number of standards published or approved by primary standards body: None.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Hong Kong Laboratory Accreditation Scheme
Same as 2.2.

Tel.: (852) 3737-2424; Fax: (852) 3730-4633

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Government accreditor of product certifiers:

4.3 Same as 4.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Hong Kong Society for Quality Control
116 B 12/F Broadway
Mei Foo Sun Chuen
Kowloon

No further information provided.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

- 6.1 Same as 3.1.

Hungary

BASIC DATA

Land area: 92 340 sq km; comparative area: slightly smaller than Indiana.

Population: 10 319 000; growth rate: 0.02%; labor force: 5.4 million; literacy: 99%, age 15 and over.

GDP: \$58.8 billion; real growth rate: 3%; national product per capita: \$5700.

Exports: \$10.3 billion; raw materials and semi-finished goods-30%, machinery and transport equipment-20.1%, consumer goods-25.2%, food-21.4%, fuels-3.4%. Partners: Germany-25.3%, Italy-8.3%, Austria-10.5%, former Soviet Union-14%, US-4.3%.

Imports: \$14.2 billion; fuels, raw materials, machinery, consumer goods, food and agriculture. Partners: Germany-21.5%, Italy-6.1%, Austria-11.8%, former Soviet Union-20.9%, US-4.3%.

NATIONAL MSTQ COORDINATION

1.1 Ministry for Industry and Trade
Vigodo u. 6.
H-1051 Budapest

Tel.: (36-1) 118-5044; Fax: (36-1) 118-7115

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Országos Mérésügyi Hivatal
P.O. Box 919
H-1535 Budapest

Tel.: (36-1) 156-7722; Fax: (36-1) 155-0598

This is a government body.

Accreditor:

2.2 Hungarian Accreditation Board - NAT
Nemzeti Akkreditáló Testület
Üllői út 25
Pf. 1581
H-1464 Budapest

Tel.: (36-1) 217-3646; Fax: (36-1) 216-5057

Legal metrology administrator:

2.3 Same as 2.1.

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Hungarian Standards Institution
Magyar Szabványügyi Testület
Üllői út 25
Pf. 24
J-1450 Budapest 9

Tel.: (36-1) 118-3011; Fax: (36-1) 118-5125

This is a nonprofit organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1947; staff-100.

Annual budget: \$2.7 million; portion of revenue from sales of publications and services-12%; testing and certification-13%; government subvention-73%.

Number of standards published or approved by primary standards body: 14 360.

Voluntary-81%; mandatory-19%.

Total number of publicly available standards: 14 360.

Identical to technically equivalent, or based on international standards: 36%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a public interest body.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 2.2.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Hungarian Quality Society (MMT)
Magyar Minőség Társaság
Üllői út 25
H-1091 Budapest

Tel.: (36-1) 218-3011; Fax: (36-1) 218-0267

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 32.

Number of registrars geographically located in Hungary: 2.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 European Organization for Quality Hungarian National Committee (EOQ MNB)
Hermann Ottó út 25
H-1022 Budapest

Tel.: (36-1) 156-5082; Fax: (36-1) 274-1005

This is a social organization.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	9	:	Welders
C	9	:	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A and D: Hungarian Accreditation Board
Address same as 2.2.

6.2 B: Hungarian Association of Welding Technology
Fogarasi út 20-14
H-1148 Budapest

6.3 C: Material Testing Association

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars:

6.4 Same as 2.2.

WTO Enquiry Point

6.5 Same as 3.1.

Iceland

BASIC DATA

Land area: 100 250 sq km; comparative area: slightly smaller than Kentucky.

Population: 266 000; growth rate: 0.92%; labor force: 128 000; literacy: 100%, age 15 and over.

GDP: \$4.5 billion; real growth rate: 2.4%; national product per capita: \$17 250.

Exports: \$1.4 billion; fish and fish products, animal products, aluminum, ferrosilicon, diatomite. Partners: EU-68%, US-11%, Japan-8%.

Imports: \$1.3 billion; machinery and transportation equipment, petroleum products, foods, textiles. Partners: EU-53%, Norway-14%, US-9%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Icelandic Metrology and Accreditation Service
Loggildingarstofan
Sidumula 13
P.O. Box 8114
IS-112 Reykjavik

Tel.: (354) 568-1122; Fax: (354) 568-5998
E-mail: gislihf@skima.is

This is a government body.

Annual budget: \$0.6 million; portion of revenue from fees for services-77%; government subvention-23%.

Participates in: Regional: EUROMET, WELMEC.

Accreditor:

- 2.2 Same as 2.1.

E-mail: athorsteinsson@skima.is

This is a government body.

Number of accredited secondary calibration labs: None.

Legal metrology administrator:

- 2.3 Same as 2.1.

E-mail: hrafn.hilmarrsson@skima.is

This is a government body.

Participates in: Member OIML since 1968.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Icelandic Council for Standardization
Keldnaholt
IS-112 Reykjavik

Tel.: (354) 587-7000; Fax: (354) 587-7409

This is a private sector organization.

Participates in: ISO, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1987; staff-11.

Annual budget: \$1.25 million; portion of revenue from sales of publications and services-12%; private sector subscription-2%; government subvention-5.5%.

Number of standards published or approved by primary standards body: 2600.

Voluntary-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 2.1.

Government accreditor of testing laboratories:

- 4.2 Same as 2.1.

Number of government accredited testing laboratories: None.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

- 4.3 Same as 2.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Icelandic Association for Quality
P.O. Box 5492
IS-125 Reykjavik

Tel.: (354-1) 627533; Fax: (354-1) 623688

National accreditor of quality management system registrars:

5.2 Same as 2.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 2.1.

National accreditor of environmental management system registrars:

6.2 Same as 2.1.

WTO Enquiry Point

6.3 Ministry of Industry and Commerce
Mr. Sverrir Juliusson
Arnarhvoli
150 Rykjavik

India

BASIC DATA

Land area: 2 973 190 sq km; comparative area: slightly more than one-third the size of the US.

Population: 936 546 000; growth rate: 1.77%; labor force: 315 million; literacy: 52%, age 7 and over.

GDP: \$1.25 trillion; real growth rate: 5%; national product per capita: \$1360.

Exports: \$24.4 billion; clothing, gems and jewelry; engineering goods, chemicals, leather goods, cotton yarn and fabric. Partners: US, Japan, Germany, UK, Hong Kong.

Imports: \$25.5 billion; crude oil and petroleum products, machinery, gems, fertilizer, chemicals. Partners: US, Germany, Saudi Arabia, UK, Belgium, Japan.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Physical Laboratory
Dr. K. S. Krishnan Road
New Delhi 110012

Fax: (91-11) 57526

This is a government body.

Accreditor:

2.2 National Accreditation Board for Testing and Calibration Laboratories
Department of Science and Technology
Technology Bhawan
New Mehrauli Road
New Delhi 110016

Tel.: (91-11) 686-4642; Fax: (91-11) 661682

This is a government body.

Legal metrology administrator:

2.3 Ministry of Civil Supplies, Consumer Affairs and Public Distribution
Weights and Measures Unit
12-A Jam Nagar House
New Delhi 110011

Tel.: (91-11) 389489; Fax: (91-11) 388302

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Bureau of Indian Standards
Manak Bhavan
9 Bahadur Shah Zafar Marg
New Delhi 110002

Tel.: (91-11) 323-7991; Fax: (91-11) 323-4062

This is a statutory organization.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1987; staff-2340.

Annual budget: Portion of revenue from sales of publications and services-7.3%; testing and certification-88.7%.

Number of standards published or approved by primary standards body: 16 500.

Voluntary-99%; mandatory-1%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

No further information provided.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 National Centre for Quality Management
17B, 3rd floor, The Tarun Plastic Indl. Estate,
Mograpada
Andhari (East), Mumbai 400 069

Tel.: (91-22) 822-1106; Fax: (91-22) 834-3721

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1200.

Number of registrars geographically located in India: 16.

National accreditor of quality management system registrars:

- 5.2 Does not exist.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Certifier of quality assessors:

- 5.3 Does not exist.
-

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards exist.

National accreditor of environmental management system registrars:

- 6.1 Does not exist.

WTO Enquiry Point

- 6.2 Same as 3.1.

Tel.: (91-11) 323-0910; Fax: (91-11) 323-4062

Indonesia

BASIC DATA

Land area: 1 826 440 sq km; comparative area: slightly less than three times the size of Texas.

Population: 200 410 000; growth rate: 1.6%; labor force: 67 million; literacy: 77%, age 15 and over.

GDP: \$571 billion; real growth rate: 6.5%; national product per capita: \$2900.

Exports: \$38.2 billion; petroleum and gas-28%, clothing and fabrics-15%, plywood-11%, footwear-4%. Partners: Japan-32%, US-13%, Singapore-9%, South Korea-6%.

Imports: \$28.3 billion; machinery-37%, semi-finished transportation equipment-7%, goods-16%, chemicals-14%, raw materials-10%, foodstuffs-6%, petroleum products-4%, consumer goods-3%. Partners: Japan-22%, US-14%, Germany-8%, South Korea-7%, Singapore-6%, Australia-5%, Taiwan-5%.

NATIONAL MSTQ COORDINATION

1.1 Standardization Council of Indonesia (DSN)
Jl. Gatot Subroto 10
Jakarta 12710

Tel.: (62-21) 520-6574; Fax: (62-21) 520-6574

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Research & Development Center for
Calibration, Instrumentation and Metrology -
KIM-LIPI
Kompleks PUSPIPTEK
Serpong Tangerang 15310

Tel.: (62-21) 756-0533; Fax: (62-21) 756-0568

Participates in: Member BIPM since 1960. Regional: Asia-Pacific Metrology Program.

Accreditor:

2.2 Metrology Commission (DSN)
National Accreditation Body (KAN)
Address same as 1.1.

This is a government body.

Number of accredited secondary calibration labs: 19.

Countries with MRAs: None.

Legal metrology administrator:

2.3 Director General of Domestic Trade
Departemen Perdagangan
Jl. Pasteur 27
Bandung 40171

Tel.: (62-22) 443597; Fax: (62-22) 420-7035

Participates in: Member OIML since 1960. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standardization council of Indonesia - DSN
Address same as 1.1.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: Pacific Area Standards Congress, ASEAN Consultative Committee for Standardization and Quality, APEC Standards and Conformance Subcommittee.

Founded: 1984; staff-55; total number of committee members-3000.

Annual budget: \$350 000; government subvention-100%.

Number of standards published or approved by primary standards body: 3600.

Voluntary-97%; mandatory-3%.

Identical to, technically equivalent, or based on international standards: 90% est.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 National Accreditation Body (KAN)
Address same as 1.1.

This is a government body.

Countries with MRAs: None.

Participates in: ILAC. Regional: Asia-Pacific Laboratory Accreditation Cooperation.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Countries with test laboratory MRAs: None.

Number of government accredited testing laboratories:

10. Foreign accredited: 5.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-3; Private sector-None.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Countries with product certification MOUs or MRAs: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Indonesian Quality Management Association - PMMI
Kartika Chandra Buioding, F 502
J1 Gatot Subroto 18 - 20
Jakarta 12930

Tel.: (62-21) 525-6671; Fax: (62-21) 520-2348

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 30.

Number of registrars geographically located in Indonesia: 9.

Number of registrars accredited by the national accreditor: 9.

National accreditor of quality management system registrars:

5.2 Same as 4.1.

This is a government body.

Countries with quality registration MOUs or MRAs: None.

Foreign quality system registrars are required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: ASEAN.

Certifier of quality assessors:

5.3 Same as 5.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	:	Welders
C	:	:	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, E and G: National Accreditation Body
Address same as 1.1.

6.2 B: Metal Industries Development Centre
J1 Sangkuriang No. 12
Bandung 40135

Tel.: (62-22) 250-3171; Fax: (62-22) 520-2907

6.3 C:
Institute for R & D of Materials and Technical Products Industries
J1 Sangkuriang No. 14
Bandung 40135

Tel.: (62-22) 250-4088; Fax: (62-22) 520-2027

National accreditor of environmental management system registrars:

6.4 Same as 4.1.

Participates in: ISO/TC 207. Regional: ASEAN.

WTO Enquiry Point

6.5 Standards Information Service
Address same as 1.1.

Tel.: (62-21) 522-1686; Fax: (62-21) 520-6574

A list of all mandatory standards is available in Indonesian and English.

A list of all publicly available standards is available in Indonesian and English.

Ireland

BASIC DATA

Land area: 68 890 sq km; comparative area: slightly larger than West Virginia.

Population: 3 550 000; growth rate: 0.33%; labor force: 1.37 million; literacy: 98%, age 15 and over.

GDP: \$49.8 billion; real growth rate: 5.5%; national product per capita: \$14 060.

Exports: \$28 billion; chemicals, data processing equipment, machinery, live animals, animal products. Partners: EU-75%, US-9%.

Imports: \$26 billion; food, animal feed, data processing equipment, petroleum and petroleum products, machinery, textiles, clothing. Partners: EU-66%, US-15%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 National Metrology Laboratory
Forbairt
Glasnevin, Dublin 9

Tel.: (353-1) 808-2000; Fax: (353-1) 808-2026

This is a government body.

Participates in: Member BIPM since 1969. Regional: EUROMET.

Accreditor:

- 2.2 National Accreditation Board
Wilton Park House
Wilton Place
Dublin 2

Tel.: (353-1) 607-3003; Fax: (353-1) 607-3109

This is a government body.

Number of accredited secondary calibration labs: 12.

Legal metrology administrator:

- 2.3 Department of Enterprise and Employment
Frederick Building, Setanta Centre
South Frederick Street
Dublin 2

Tel.: (353-1) 661-4444; Fax: (353-1) 671-7457

This is a government body.

Participates in: Member OIML since 1975.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 National Standards Authority of Ireland
Glasnevin
Dublin 9

Tel.: (353-1) 837-0101; Fax: (353-1) 836-9821

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1961; staff-80.

Annual budget: \$13.5 million; portion of revenue from sales of publications and services-4%; testing and certification-76%; private sector subscription-2%; government subvention-18%.

Number of standards published or approved by primary standards body: 2500.

Voluntary-99%; mandatory-1%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 2.2.

This is a government body.

Participates in: ILAC. Regional: EAL.

Government accreditor of testing laboratories:

- 4.2 Same as 4.1.

Number of government accredited testing laboratories:

57.

Number of EU recognized Notified Bodies: 3.

Government accreditor of product certifiers:

- 4.3 Same as 4.1.

Countries with product certification MOUs or MRAs:
None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Irish Quality Association
Marrion Hall
Strand Street Sandymount
Dublin 4

Tel.: (353-1) 269-5255; Fax: (353-1) 269-8053
E-mail: iga@ial.ie

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 2500.

Number of registrars geographically located in Ireland:
3.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

5.2 Same as 4.1.

This is a government body.

Countries with quality registration MOUs or MRAs:
None.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176, IAF. Regional: EAC.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	:	:	Welders
C	:	:	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 B: Same as 2.2.

6.2 C: Irish Institution of Engineering Inspection

6.3: E: Shannon Quality Training
Same as 2.2.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 10.

Number of EMS registrars geographically located in Ireland: 1.

Number of EMS accredited by the national accreditor:
None.

National accreditor of environmental management system registrars:

6.4 Same as 2.2.

Participates in: Regional: EAC.

WTO Enquiry Point

6.5 For technical regulations and certification systems:
Department of Tourism and Trade
Kildare Street
Dublin 2

Tel.: (353-1) 662-1444; Fax: (353-1) 676-6154

6.6 For standards:
Same as 3.1.

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Israel

BASIC DATA

Land area: 20 330 sq km; comparative area: slightly larger than New Jersey.

Population: 5 433 000; growth rate: 1.4%; labor force: 1.9 million; literacy: 95%, age 15 and over.

GDP: \$70.1 billion; real growth rate: 6.8%; national product per capita: \$13 880.

Exports: \$16.2 billion; machinery, cut diamonds, chemicals, textiles, clothing, agricultural products, metals. Partners: US, EU, Japan.

Imports: \$22.5 billion; military equipment, investment goods, rough diamonds, oil, consumer goods. Partners: EU, US, Japan.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 None identified.

Accreditor:

2.2 Laboratory Accreditation Committee
No address provided

Tel.: (972-3) 575-1690; Fax: (972-3) 575-1695
E-mail: ISRAC@artvision.net.il

Legal metrology administrator:

2.3 Controller of Weights, Measures and Standards
Ministry of Industry and Trade
P.O. Box 299
Jerusalem 91002

Tel.: (972-2) 750111; Fax: (972-2) 245110

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standards Institution of Israel
42 Chaim Levanon Street
Tel Aviv 69977

Tel.: (972-3) 646-5154; Fax: (972-3) 641-9683
E-mail: standard@netvision.net//

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1945; staff-880; total number of committee members-4000.

Annual budget: \$63 million; portion of revenue from sales of publications and services-0.9%; testing and certification-78.4%; government subvention-4%.

Number of standards published or approved by primary standards body: 2100.

Voluntary-65%; mandatory-35%.

Total number of publicly available standards: 2100.

Identical to technically equivalent, or based on international standards: 10%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Center for Quality and Excellence
Prime Minister's Office
No address provided.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 1100.

Number of registrars geographically located in Israel: 4.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars: None.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	9	:	Welders
C	9	:	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

- 6.1 B and C: Ministry of Labor

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: None.

Number of EMS registrars geographically located in Israel: 2.

Number of EMS registrars accredited by the national accreditor: None.

National accreditor of environmental management system registrars:

None.

WTO Enquiry Point

- 6.2 Same as 3.1.

Tel.: (972-3) 646-5154; Fax: (972-3) 641-2762

A list of all mandatory standards is available in Hebrew, some in English.

A list of all publicly available standards is available in Hebrew, some in English.

Italy

BASIC DATA

Land area: 294 020 sq km; comparative area: slightly larger than Arizona.

Population: 58 262 000; growth rate: 0.21%; labor force: 24 million; literacy: 97%, age 15 and over.

GDP: \$998.9 billion; real growth rate: 2.2%; national product per capita: \$17 180.

Exports: \$190.8 billion; metals, textiles and clothing, production machinery, motor vehicles, transportation equipment, chemicals. Partners: EU-53.4%, US-7.8%, OPEC-3.8%.

Imports: \$168.7 billion; industrial machinery, chemicals, transport equipment, petroleum, metals, foods, agricultural products. Partners: EU-56.3%, OPEC-5.3%, US-4.6%.

NATIONAL MSTQ COORDINATION

1.1 CNPC - Italian National Committee for Quality and Industrial Certification
c/o Ministero Industria
DGPI-DG XIX, via Molise 2
1-00187 Roma

Tel.: (39-6) 4705-3069; Fax: (39-6) 4788-7748
E-mail: Min.Ind.Isp.Tecnico@agora.stm.it

METROLOGY AND CALIBRATION SERVICES

Primary laboratories and national coordinator:

2.1.1

Instituto G. Colonnati
Strade delle Cacce 73
1-10135 Torino

Tel.: (39-11) 39771; Fax: (39-11) 397-7347

Participates in: Member BIPM.

2.1.2

Instituto Galileo Ferraris
C.so Massimo d'Azeglio 42
1-10125 Torino

Tel.: (39-11) 348-8933; Fax: (39-11) 650-7611

2.1.3

ENEA
Centro Casaccia
Via Anguillarese 301
00060 Santa Maria Galeria RM

Tel.: (39-6) 3048-3555; Fax: (39-6) 3048-3558

These are government bodies.

Accreditor:

2.2 SIT

Address same as 2.1.1.

Number of accredited secondary calibration labs: 72.

Countries with MRAs: Denmark, Finland, France, Germany, Ireland, Norway, Netherlands, United Kingdom, Spain, Sweden, Switzerland, New Zealand, Australia, Hong Kong.

Legal metrology administrator:

2.3 Ufficio Centrale Metrico

Via Antonio Bosio 15
1-00161 Roma

Tel.: (39-6) 841-6825; Fax: (39-6) 841-4194

This is a government body.

Participates in: Member OIML.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 UNI - Ente Nazionale Italiano di Unificazione

Via Battistotti Sassi 11/b
1-20153 Milano

Tel.: (39-2) 700241; Fax: (39-2) 7010-6106

E-mail: webmaster@uni.unicei.it

Private body officially recognized by government.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1921; staff-107; total number of committee members-5000.

Annual budget: \$14.5 million; portion of revenue from sales of publications and services-34.3%; testing and certification-1.5%; private sector subscription-19.3%; government subvention-31.4%.

Number of standards published or approved by primary standards body: 10 400.

Voluntary-90%; mandatory-10%.

Number of other standards bodies: government-None; private sector-1.

Total number of publicly available standards: 15 000.

Identical to technically equivalent, or based on international standards: 70%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Does not exist.

Government accreditors of testing laboratories:

4.2.1

Ministero Industria
Address same as 1.1.

4.2.2

Ministero Sanità
Piazzale dell'Industria 20
1-00144 Roma Eur

Tel.: (39-6) 5994

Number of EU recognized Notified Bodies: 126.

Private sector accreditor of testing laboratories:

4.3 SINAL

Via Campania 31
1-00187 Roma

Tel.: (39-6) 487-1176; Fax: (39-6) 481-4563

Participates in: Regional: EAL.

Number of private sector accredited testing laboratories: 123.

Countries with MRAs: Holland, Switzerland, France, Finland, Germany, Australia, Denmark, Ireland, Hong Kong, Spain, Sweden, United Kingdom, Norway, New Zealand.

Government accreditor of product certifiers:

4.4 Same as 4.2.

Private sector accreditor of product certifiers:

4.5 SINCERT

Via Battistotti Sassi 11
1-20133 Milano

Tel.: (39-2) 719202; Fax: (39-2) 719055

Participates in: Regional: EAC.

Number of accredited product certification bodies: 6.

Countries with MRAs: Finland, Netherlands, Norway, Switzerland, United Kingdom, Germany.

QUALITY MANAGEMENT REGISTRATION

Coordinators national quality awareness and implementation:

5.1.1

AICQ - Italian Association for Quality
Via Cornalia 19
20124 Milano

Tel.: (39-2) 6671-3425; Fax: (39-2) 6671-2510

5.1.2

ANGQ
Via di Corticella 122
40128 Bologna

These are private sector organizations.

National accreditor of quality management system registrars:

5.2 Same as 4.5.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 4000.

Number of registrars accredited by the national accreditor: 23.

Certifiers of quality assessors:

5.3.1

AICQ SICEV
Address same as 5.1.1.

5.3.2

CEPAS
Via Castelrosso 10
1-00144 Roma

Tel.: (39-6) 591-5373; Fax: (39-6) 591-5374

These are private sector organizations.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A and D: Same as 4.5.

6.2 B:
ILS
Lungobisagno Istria 15
1-16141 Genova

Tel.: (39-10) 835-3049; Fax: (39-10) 836-7780

6.3 C:
CICPnd
Piazza Diaz 2
1-20123 Milano

Tel.: (39-2) 8646-4118; Fax: (39-2) 8646-4126

6.4.1
G: Same as 5.1.1.

6.4.2
G: Same as 5.3.2.

6.4.3
G: Same as 3.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 10.

Number of EMS registrars geographically located in Italy: 5.

Number of EMS registrars accredited by the national accreditor: 1.

National accreditor of environmental management system registrars:

6.5.1 Same as 4.5.

This is a private sector organization.

6.5.2 ANPA
Via Vitaliano Brancati 48
1-00144 Roma

Tel.: (39-6) 500721

This is a government body.

WTO Enquiry Point

6.6.1

For WTO notifications:

MICA DGPI
Ministero Industria, Commercio e Artigianato
Direzione Generale Produzione Industriale
Divisione XIX
Via Molise 19
1-00187 Rome

Tel.: (39-6) 4705-2669; Fax: (39-6) 4788-7748

6.6.2

For technical regulations:

CNR STIBNOT
Consiglio Nazionale delle Ricerche
Ufficio trasferimento innovazioni brevetti,
normativa tecnica
Via Tiburtina 770
1-00159 Rome

Tel.: (39-6) 407-5826; Fax: (39-6) 4993-2440

6.6.3

For standards of all sectors, except
electrics and electronics which can be requested to
CEI:
Same as 3.1.

6.6.4

For electrical and electronic standards:

CEI
Comitato Elettronico Italiano
Viale Monza 259
1-20126 Milan

Tel.: (39-2) 257731; Fax: (39-2) 2577-3201

Jamaica

BASIC DATA

Land area: 10 830 sq km; comparative area: slightly smaller than Connecticut.

Population: 2 574 000; growth rate: 0.78%; labor force: 1.06 million; literacy: 82%, age 15 and over.

GDP: \$7.8 billion; real growth rate: 2%; national product per capita: \$3 050.

Exports: \$1.2 billion; alumina, bauxite, sugar, bananas, rum. Partners: US-47%, UK-11%, Canada-9%, Norway-7%, France-4%.

Imports: \$2.2 billion; machinery, transport equipment, construction equipment, fuel, food, chemicals. Partners: US-54%, Japan-4%, Mexico-6%, UK-4%, Venezuela-3%.

NATIONAL MSTQ COORDINATION

1.1 Jamaica Bureau of Standards
6 Winchester Road
P.O. Box 113
Kingston 10

Tel.: (809) 926-31406; Fax: (809) 929-4736

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Accreditor:

2.2 No response.

Legal metrology administrator:

2.3 Same as 1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Participates in: ISO, FAO/Codex.

Founded: 1968; staff-186.

Annual budget: \$2.4 million; government subvention-76%.

Number of standards published or approved by primary standards body: 250.

Voluntary-56%; mandatory-44%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories:

No response.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.4 Same as 1.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Jamaica Society for Quality
Winchester Road
Kingston 10

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Same as 1.1.

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Japan

BASIC DATA

Land area: 374 744 sq km; comparative area: slightly smaller than California.

Population: 125 500 000; growth rate: 0.32%; labor force: 65.9 million; literacy: 99%, age 15 and over.

GDP: \$2.53 trillion; real growth rate: 0.6%; national product per capita: \$20 200.

Exports: \$395.5 billion; manufactures-97% (including machinery-46%, motor vehicles-20%, consumer electronics-10%). Partners: Southeast Asia-33%, US-29%, Western Europe-18%, China-5%.

Imports: \$274.3 billion; manufactures-52%, fossil fuels-20%, food and raw materials-28%. Partners: Southeast Asia-25%, US-23%, Western Europe-15%, China-9%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Research Laboratory of Metrology
1-4, Umezona 1-Chome, Tsukuba
Ibaraki 305

Tel.: (81-298) 544149; Fax: (81-298) 544135

This is a government body.

Accreditor:

2.2 No response.

Legal metrology administrator:

2.3 Same as 2.1.

Participates in: Member of OIML. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Japanese Industrial Standards Committee
c/o Standards Department
Ministry of International Trade and Industry
1-3-1 Kasumigaseld, Chiyoda-ku
Tokyo 100

Tel.: (81-3) 3501-2096; Fax: (81-3) 3580-8637

Website: <http://www.hike.te.chiba-u.ac.jp/ikedajis/what1.html>

Participates in: ISO, IEC. Regional: PASC.

Founded: 1949; staff-95; total number of committee members-9231.

Annual budget: \$14.6 million; government subvention-100%.

Number of standards published or approved by primary standards body: 8100.

Voluntary-100%.

Standards identical to, technically equivalent, or based on international standards: 60%.

Number of other standards bodies: government-3; private sector-200.

Total number of publicly available standards: 18 000 est.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation: Japan does not have a unified system for national coordination of laboratory accreditation.

Government accreditor of testing laboratories:

4.1 International Trade and Industry Inspection Institute
MITI
48-10 Nishihara - 2 chome
Tokyo, Shibuya - KU

Private sector accreditor of testing laboratories:

4.2 No response.

Government accreditor of product certifiers:

4.3 No response.

Private sector accreditor of product certifiers:

4.4 No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 The Japan Accreditation Body for Conformity Assessment
4-6-11, Akasaka Orumu - Bldg. 3F,
Akasaka, Minato-ku
Tokyo 107

Tel.: (81-3) 5561-0375; Fax: (81-3) 5561-0376

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 2700.

Number of registrars geographically located in Japan: 20. **Number of registrars accredited by the national accreditor:** 15.

National accreditor of quality management system registrars:

5.2 Same as 5.1.

This is a private sector organization.
Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: PAC.

Certifier of quality assessors:

5.3 Same as 5.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants

No response regarding other services.

Responsible certifying organizations are:

6.1 E: Same as 5.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 0.

Number of EMS registrars geographically located in Japan: 0.

Number of EMS registrars accredited by the national accreditor: 0.

National accreditor of environmental management system registrars:

6.2 Same as 5.1.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.3.1

Standards Information Service
First International Organization Division
Economic Affairs Bureau
Ministry of Foreign Affairs
2-2-1 Kasumigaseki, Chiyoda-ku
Tokyo

Tel.: (81-3) 3580-3311; Fax: (81-3) 3503-3136

6.3.2

Standards Information Service
Information Service Department
Japan External Trade Organization (JETRO)
2-2-5 Toranomom, Minato-ku
Tokyo

Tel.: (81-3) 3582-6270; Fax: (81-3) 3589-4179

A list of all mandatory standards is available in Japanese and English.

A list of all publicly available standards is available in Japanese and English.

Jordan

BASIC DATA

Land area: 88 884 sq km; comparative area: slightly smaller than Indiana.

Population: 4 100 000; growth rate: 2.69%; labor force: 600 000; literacy: 83%, age 15 and over.

GDP: \$17 billion; real growth rate: 5.5%; national product per capita: \$4280.

Exports: \$1.4 billion; phosphates, fertilizers, potash, agricultural products, manufactures. Partners: India, Iraq, Saudi Arabia, EU, Indonesia, UAE.

Imports: \$3.5 billion; crude oil, machinery, transport equipment, food, live animals, manufactured goods. Partners: EU, US, Iraq, Japan, Turkey.

NATIONAL MSTQ COORDINATION

1.1 Jordanian Institution for Standards and Metrology (JISM)
P.O. Box 941287
Amman 11194

Tel.: (962-6)680139; Fax: (962-6) 681099

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

This is a government body.

Accreditor:

2.2 Planning is underway.

Legal metrology administrator:

2.3 Same as 1.1.

This is a government body.

Participates in: Member OIML since 1973.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, FAO/Codex. Regional: AIDMO.

Founded: 1972; staff-121.

Annual budget: \$1.0 million; government subvention-100%.

Number of standards published or approved by primary standards body: 1030.

Mandatory-100%.

Total number of publicly available standards: 1030.

Identical to technically equivalent, or based on international standards: 20%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Currently being established.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of government accredited testing laboratories:

None; foreign accredited - None.

Private sector accreditor of testing laboratories:

None.

Number of accredited product certifiers: government agencies and institutions - None; private sector - None.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Countries with product certification MOUs or MRAs:

None.

Private sector accreditor of product certifiers:

None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Currently being established.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 3.

Number of registrars geographically located in Jordan:

1. **Number of registrars accredited by the national accreditor:** None.

National accreditor of quality management system registrars:

5.2 Same as 5.1.

Countries with quality registration MOUs or MRAs:

None.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 1.1.

Environmental management systems

National standards do not exist.

Information Center

A list of all mandatory standards is available in Arabic and English.

A list of all publicly available standards is available in Arabic and English.

Kazakhstan

BASIC DATA

Land area: 2 669 800 sq km; comparative area: slightly less than four times the size of Texas.

Population: 17 377 000; growth rate: 0.62%; labor force: 7356 million; literacy: 98%, age 15 and over.

GDP: \$55.2 billion; real growth rate: -25%; national product per capita: \$3200.

Exports: \$3.1 billion; oil, metals, chemicals, grain, wool, meat, coal. Partners: Russia, Ukraine, Uzbekistan.

Imports: \$3.5 billion; machinery and parts, industrial materials, oil and gas. Partners: Russia and other former Soviet republics, China.

NATIONAL MSTQ COORDINATION

- 1.1 Committee for Standardization, Metrology and Certification of the Republic of Kazakhstan
83 Altynsarin Avenue
480035 Almaty

Tel.: (732-7) 221-0808; Fax: (732-71) 228-6822

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1.1

National coordinator:
Committee for Standardization, Metrology and Certification
The Department of Legal Metrology
Address same as 1.1.

Tel.: (732-7) 221-7241; Fax: (732-7) 228-6822

2.1.2

Primary metrology laboratory:
Almaty's Center for Standardization, Metrology and Certification - the National Center of Measurement

Standards of the Republic of Kazakhstan
Address same as 1.1.

Annual budget: \$550 000; self-supporting.

Accreditor:

2.2 Same as 1.1.

Legal metrology administrator:

2.3 Same as 2.1.2.

This is a government body.

Participates in: Member OIML.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Tel.: (732-7) 221-7241; Fax: (732-7) 286-822

This is a government body.

Participates in: ISO. Regional: CIS.

Founded: 1992; staff-40.

Annual budget: \$230 000; government subvention-70%.

Number of standards published or approved by primary standards body: 450.

Mandatory-100%.

Number of standards bodies: 2 CIS committees and 14 technical committees.

Total number of publicly available standards: 19 393.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Committee for Standardization, Metrology and Certification
The Department of Certification and Quality Systems
Address same as 1.1.

Tel.: (732-7) 221-7686; Fax: (732-7) 228-6822

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories: 193; foreign accredited-None.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-27; private sector-17.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

National accreditor of quality management system registrars: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

Kenya

BASIC DATA

Land area: 569 250 sq km; comparative area: slightly more than twice the size of Nevada.

Population: 28 817 000; growth rate: 0.99%; literacy: 71%, age 15 and over.

GDP: \$33.1 billion; real growth rate: 3.3%; national product per capita: \$1170.

Exports: \$1.45 billion; tea-25%, coffee-18%, petroleum products-11%. Partners: EU-47%, Africa-23%, Asia-11%, US-4%, Middle East-3%.

Imports: \$1.85 billion; machinery and transportation equipment-29%, petroleum and petroleum products-15%, iron and steel-7%. Partners: EU-46%, Asia 23%, Middle East-20%, US-5%.

NATIONAL MSTQ COORDINATION

1.1 Kenya Bureau of Standards
P.O. Box 54974
Nairobi

Tel.: (254-2) 502210; Fax: (254-2) 503293
E-mail: kebs@arsognpcorg

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Weights and Measures Department
Ministry of Commerce
P.O. Box 41071
Nairobi

Tel.: (254-2) 504664

This is a government body.

Legal metrology administrator:

2.2 Same as 2.1.

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, ITU, FAO/Codex. Regional: ARSO.
Founded: 1974; staff-500.

Annual budget: \$2.8 million; portion of revenue from sales of publications and services-0.2%; testing and certification-3.8%; private sector subscription-0.5%; government subvention-5.7%.

Number of standards published or approved by primary standards body: 1300.

Voluntary-33%; mandatory-67%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Planning is underway.

Government accreditor of testing laboratories:

4.2 Planning is underway.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Planning is underway.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Planning is underway.

National accreditor of quality management system registrars:

5.2 Planning is underway.

Certifier of quality assessors:

5.3 Address same as 1.1.

This is a government body.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

National accreditor of environmental management system registrars;

6.1 Planning is underway.

WTO Enquiry Point

6.2 Same as 1.1.

Tel.: (254-2) 502210; Fax: (254-2) 503293
E-mail: kebs@arsognapcorg

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Korea, Republic of

BASIC DATA

Land area: 98 190 sq km; comparative area: slightly larger than Indiana.

Population: 45 554 000; growth rate: 1.04%; labor force: 20 million; literacy: 96%, age 15 and over.

GDP: \$508.3 billion; real growth rate: 8.3%; national product per capita: \$11 270.

Exports: \$96.2 billion; electronic and electrical equipment, machinery, steel, automobiles, ships, textiles, clothing, footwear, fish. Partners: US-26%, Japan-17%, EU-14%.

Imports: \$102.3 billion; machinery, electronics and electrical equipment, oil, steel, transport equipment, textiles, organic chemicals, grains. Partners: Japan-26%, US-24%, EU-15%.

NATIONAL MSTQ COORDINATION

- 1.1 Industrial Standards Division
Ministry of Trade, Industry and Energy
1, Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel.: (82-2) 500-2582; Fax: (82-2) 507-2155

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Korea Research Institute of Standards and Science
P.O. Box 102
Yusong, Taejon 305-600

Tel.: (82-42) 861-7201; Fax: (82-42) 861-1494

This is a government body.

Annual budget: \$28.8 million; portion of revenue from fees for services-14%; government subvention-86%.

Participates in: Member BIPM since 1957. Regional: APMP.

Accreditor:

- 2.2 Korean National Institute of Technology and Quality
1599, Kwanyang-dong, Anyang-city
Kyonggi-do 430-060

Tel.: (82-343) 841861; Fax: (82-343) 846077

This is a government body.

Legal metrology administrator:

- 2.3 Same as 2.2.

This is a government body.

Participates in: Member OIML since 1978. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 1.1.

Participates in: ISO, IEC. Regional: PASC, APEC/SCSC.

Founded: 1961; staff-53.

Annual budget: \$2.3 million; government subvention-100%.

Number of standards published or approved by primary standards body: 9400.

Voluntary-100%.

Total number of publicly available standards: 9400.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 National Accreditation Body
Korea Laboratory Accreditation Scheme (KOLAS)
Address same as 2.2.

This is a government body.

Participates in: ILAC. Regional: APLAC.

Government accreditor of testing laboratories:

- 4.2 Same as 4.1.

Number of government accredited testing laboratories: 37.

Number of private sector accredited testing laboratories: None.

Government accreditor of product certifiers:

- 4.3 Same as 4.1.

Countries with product certification MOUs or MRAs:

None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Korea Accreditation Board - KAB
276-1, Daehung-dong, Mapo-ku
Seoul 121-080

Tel.: (82-2) 702-4970; Fax: (82-2) 702-2057

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 1230.

Number of registrars geographically located in Korea: 22.

Number of registrars accredited by the national accreditor: 10.

National accreditor of quality management system registrars:

- 5.2 Same as 5.1.

Countries with quality registration MOUs or MRAs:

None.

Foreign quality system registrars are required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: PAC.

Certifier of quality assessors:

- 5.3 Same as 5.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B		9	Welders
C	:	9	Non-destructive testing technicians
D		9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G		9	Quality consultants
H		9	Other

Responsible certifying organizations are:

- 6.1 A, C, E, and F: Korean National Institute of Technology and Quality (KNITQ)
Address same as 2.2.

Environmental management systems

No response.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.2.1

For industrial products:
Same as 2.2.

6.2.2

For agricultural products:
Technical Cooperation Division
International Agriculture Bureau
Ministry of Agriculture and Forestry
1, Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel.: (82-2) 503-7294; Fax: (82-2) 507-2095
E-mail: tcd@maff.go.kr

6.2.3

For fishery products:
Trade Promotion Division
Fishery Products Marketing Bureau
Ministry of Maritime Affairs and Fisheries
826-14 Yoksam-dong, Kangnan-gu
Seoul 135-080

Tel.: (82-2) 753-6862; Fax: (82-2) 753-8331

6.2.4

For health, sanitation and cosmetic products:
International Cooperation Division
Technological Cooperation Bureau
Ministry of Health and Welfare (MOHW)
1 Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel.: (82-2) 503-7524; Fax: (82-2) 504-6418
E-mail: invuioul@chollion.dacom.co.kr

A list of all mandatory standards is available in Korean.
A list of all publicly available standards is available in Korean.

Kyrgyzstan

BASIC DATA

Not Available.

NATIONAL MSTQ COORDINATION

- 1.1 Republic of Kyrgyzstan's State Inspection for Standardization, Metrology and Certification (KYRGYZSTANDART)
Tel. 22-7884; Fax: 26-4708
Internet: KMCGintotel@Bishkek.SU

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary metrology laboratory or national coordinator:

- 2.1 Same as 1.1.
Tel. 22-5664; Fax: 26-4708
Internet: KMCGintotel@Bishkek.SU

Annual budget: \$ 0.324 million; portion of revenue from government subvention-2.9%.

Accreditor of calibration laboratories:

- 2.2 Same as 1.1.
Tel. 22-0625; Fax: 26-4708

Number of accredited secondary calibration labs: 14.

Legal metrology administrator:

- 2.3 Same as 2.2.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 1.1.
Tel. 26-4862; Fax: 26-4708

Participates in: ISO; Regional: Inter-Regional Association for Standardization (MAS); Eurasian Organization for Standardization, Metrology and Certification (EASC).

Annual budget: \$0.7886 million; portion of revenue from sales of publications-0.7%; certification and testing-99.3%.

Total number of publicly available standards 40000.

Number of standards published or approved by primary standards body: 40000; voluntary-60%; mandatory-40%.
Number of other standards bodies: national government-1;
Identical to, technically equivalent, or based on international standards: 30%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.
Tel. 22-0625; Fax: 26-4708

Participates in: ISO; Regional: EASC; MAS.

Government accreditor(s) of testing laboratories:

- 4.2 Same as 1.1.
Tel. 22-0625 or 21-6635 or 21-6487; Fax: 26-4708

Number of government accredited testing laboratories: 185; foreign accredited testing laboratories - 3.
Annual budget: \$0.015 million.

Private-sector accreditor(s) of testing laboratories:

- 4.3 None.

Government accreditor of product certifiers:

- 4.4 Same as 1.1.
Tel. 26-4285; Fax: 26-4708

Countries with product certification MOUs: CIS-countries and Turkey.

Number of accredited product certifiers: government agencies and institutions - 8.

Private sector accreditor of product certifiers:

- 4.5 None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

- 5.1 Same as 1.1
Tel. 26-4235; Fax: 26-4708

National accreditor of quality management system registrars:

- 5.2 Same as 1.1
Tel. 26-2631; Fax: 26-4708
-

RELATED INFORMATION

Certification of MSTQ related services are listed here:

- A Third-party technical inspection organizations
- B Welders
- C Non-destructive testing technicians
- D Quality Assessor certification bodies
- E Quality Assessor training providers
- F Quality training providers
- G Quality consultants
- H Other

Responsible accrediting/certifying organizations are:

- 6.1 A KYRGYZSTANDART
- 6.2 B KYRGYZSTANDART
Scientific and Technical Center (NTC)
"ELEKTROTEKHNIKA"
MINISTRY OF CONSTRUCTION REPUBLICAN
CENTER FOR STANDARDS & CERTIFICATION
- 6.3 C KYRGYZSTANDART
- 6.4 D KYRGYZSTANDART
- 6.5 E KYRGYZSTANDART
- 6.6 F KYRGYZSTANDART
"ELEKTROTEKHNIKA" (NTC)
- 6.7 G KYRGYZSTANDART
"ELEKTROTEKHNIKA" (NTC)
- 6.8 H KYRGYZSTANDART

Environmental management systems:

National standards do not exist.

Malaysia

BASIC DATA

Land area: 328 550 sq km; comparative area: slightly larger than New Mexico.

Population: 19 724 000; growth rate: 2.24%; labor force: 7.63 million; literacy: 78%, age 15 and over.

GDP: \$166.8 billion; real growth rate: 8.7%; national product per capita: \$8650.

Exports: \$56.6 billion; electronic equipment, petroleum and petroleum products, palm oil, wood and wood products, rubber, textiles. Partners: Singapore-22%, US-20%, Japan-13%, UK-4%, Germany-4%, Thailand-4%.

Imports: \$55.2 billion; machinery, chemicals, food, petroleum products. Partners: Japan-27%, US-17%, Singapore-15%, Taiwan-5%, Germany-4%, UK-3%, South Korea-3%.

NATIONAL MSTQ COORDINATION

1.1 Currently being established.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Standards and Industrial Research Institute of Malaysia
National Measurement Centre
Persiaran Dato' Menteri, Section 2
P.O. Box 7035
40911 Shah Alam
Selangor Darul Ehsan

Tel.: (603) 556-7834; Fax: (603) 556-7841
E-mail: skwoo@sirimi.sirim.my

This is a government body.

Annual budget: \$1.9 million; portion of revenue from fees for services-45%.

Participates in: OIML. Regional: APMP, APLMF, APLAC.

Accreditor:

2.2 Malaysia Accreditation Council
21 st Floor, Wisma MPSA
Persiaran Perbandaran
40675 Shah Alam
Selangor Darul Ehsan

Tel.: (603) 559-8033; Fax: (603) 559-2497

This is a government body.

Number of accredited secondary calibration labs: 18.

Legal metrology administrator:

2.3 Enforcement Division
Ministry of Domestic Trade and Consumer Affairs
Tingkat 24-26, Putra Place
100 Jalan Putra
50622 Kuala Lumpur

Tel.: (603) 443-3366; Fax: (603) 442-5615

This is a government body.

Participates in: Regional: Member of APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Department of Standards of Malaysia
Address same as 2.2.

Tel.: (603) 559-8033; Fax: (603) 559-2497

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex.

Number of standards published or approved by primary standards body: 2000.

Voluntary-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

Tel.: (603) 559-8033; Fax: (603) 559-2497

This is a government body.

Participates in: ILAC. Regional: APLAC, ASEAN, CCSQ.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Number of government accredited testing laboratories: 71; foreign accredited-1.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions - None; private sector - None.

Government accreditor of product certifiers:

4.3 Same as 2.2.

Countries with product certification MOUs or MRAs:
None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Institute of Quality Control Malaysia
Address same as 2.2.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 836.

Number of registrars geographically located in Malaysia:
4.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

Participates in: ISO/TC 176.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	9	:	Welders
C	9	:	Non-destructive testing technicians
D	:	9	Quality Assessor certification bodies
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Certifying organizations were not identified.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: pilot program underway.

Number of EMS registrars geographically located in Malaysia: 1.

Number of EMS registrars accredited by the national accreditor: None.

National accreditor of environmental management system registrars:

6.1 Same as 2.2.

WTO Enquiry Point

6.2 Same as 2.1.

Tel.: (603) 559-2601; Fax: (603) 550-8095

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Malta

BASIC DATA

Land area: 320 sq km; comparative area: slightly less than twice the size of Washington, DC.

Population: 370 000; growth rate: 0.75%; labor force: 127 200; literacy: 84%, age 15 and over.

GDP: \$3.9 billion; real growth rate: 4.4%; national product per capita: \$10 760.

Exports: \$1.3 billion; machinery, clothing and footwear, printed matter. Partners: Italy-32%, Germany-16%, UK-8%.

Imports: \$2.1 billion; food, petroleum, machinery and semimanufactured goods. Partners: Italy-27%, Germany-14%, UK-13%, US-9%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 None identified.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Malta Board of Standards
Department of Industry
Triq il-Kukkanja
Santa Venera CMR 02

Tel.: (356) 446250; Fax: (356) 446257

Participates in: ISO, ITU, FAO/Codex.

Founded: 1965; staff-11; total number of committee members-9.

Annual budget: \$300 000; government subvention-100%.

Number of standards published or approved by primary standards body: 60.

Voluntary-48%; mandatory-52%.

Total number of publicly available standards: 60.

Identical to technically equivalent, or based on international standards: None.

TESTING AND PRODUCT CERTIFICATION

4.1 No response.

QUALITY MANAGEMENT REGISTRATION

5.1 No response.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards do not exist.

Mauritius

BASIC DATA

Land area: 1850 sq km; comparative area: slightly less than 10.5 times the size of Washington, DC.

Population: 1 127 000; growth rate: 0.89%; labor force: 335 000 million; literacy: 80%, age 15 and over.

GDP: \$9.3 billion; real growth rate: 4.7%; national product per capita: \$8600.

Exports: \$1.32 billion; textiles-44%, sugar-40%, light manufactures-10%. Partners: EU-77%, US-15%.

Imports: \$1.7 billion; manufactured goods-50%, capital equipment-17%, foods-13%, petroleum products-8%, chemicals-7%. Partners: EU, US, Africa, Japan.

NATIONAL MSTQ COORDINATION

1.1 Mauritius Standards Bureau
Old Moka Road
Moka

Tel.: (230) 464-7675; Fax: (230) 464-1144 and
(230) 433-5051

This is a parastatal body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

This is a government body.

Annual budget: \$200 000; government subvention-72%.

Participates in: Regional: ARSO.

Accreditor:

2.2 Currently being established under the Ministry of Industry and Industrial Technology.

Tel.: (230) 201-2269; Fax: (230) 212-8101

Legal metrology administrator:

2.3 The Controller of Weights and Measures
Legal Metrology Division
Ministry of Trade and Shipping
Bell Village
Port Louis

Tel.: (230) 208-1717; Fax: (230) 212-6368

This is a government body.

Participates in: Member OIML since 1987.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: ARSO.

Founded: 1975; staff-43; total number of committee members-102.

Annual budget: \$0.75 million; portion of revenue from sales of publications and services-3%; testing and certification-12%; government subvention-85%.

Number of standards published or approved by primary standards body: 90.

Voluntary-95%; mandatory-5%.

Total number of publicly available standards: 173.

Identical to technically equivalent, or based on international standards: 70%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Currently being established.

Participates in: ILAC.

Government accreditor of testing laboratories:

4.2 Currently being established.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Currently being established.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 9.

Number of registrars geographically located in Mauritius: 4.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars: None.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards exist.

National accreditor of environmental management system registrars:

6.1 Currently being established.

WTO Enquiry Point

6.2 Same as 1.1.

A list of all mandatory standards is available in English.

A list of all publicly available standards is available in English.

Mexico

BASIC DATA

Land area: 1 923 040 sq km; comparative area: slightly less than three times the size of Texas.

Population: 93 986 000; growth rate: 1.9%; labor force: 26.2 million; literacy: 88%, age 15 and over.

GDP: \$728.7 billion; real growth rate: 3.5%; national product per capita: \$7900.

Exports: \$60.8 billion; crude oil, oil products, coffee, engines, motor vehicles, cotton, consumer electronics. Partners: US-82%, Japan-1.4%, EU-5%.

Imports: \$79.4 billion; metal-working machinery, steel, agricultural machinery, electrical equipment, car parts for assembly, auto repair parts, aircraft, aircraft parts. Partners: US-74%, Japan-4.7%, EU-11%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Centro Nacional de Metrología (CENAM)
Carretera a los Cués, Km. 4.5
C.P. 76900 Querétaro

Tel.: (5242) 110500/04; Fax: (5242) 162626
E-mail: servtec@cenam.mx

This is a government body.

Annual budget: \$16.3 million; portion of revenue from fees for services 8.8%; government subvention-91.2%.

Participates in: Member BIPM since 1994. Regional: SIM.

Accreditor:

2.2 Dirección General de Normas
Av. Piente de Tecamachalco No. 6, 3^o piso
Col. Lomas de Tecamachalco
C.P. 53950
Naucalpan, Estados de México

Tel.: (525) 729-9480; Fax: (525) 729-9484
E-mail: cidgn@secofi.gob.mx

This is a government body.

Number of accredited secondary calibration labs: 36.

Legal metrology administrator:

2.3 Same as 2.2.

Participates in: Member OIML since 1993. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 2.2.

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: COPANT, NAFTA.

Founded: 1943; staff-210; total number of committee members-500.

Annual budget: \$0.3 million; government subvention-100%.

Number of standards published or approved by primary standards body: 5500.

Voluntary-98%; mandatory-2%.

Number of standards bodies: national government-21; private sector-6.

Total number of publicly available standards: 6028.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Number of government accredited testing laboratories: 5; foreign accredited: None.

Private sector accreditor of testing laboratories:

4.3 None identified.

Number of private sector accredited testing laboratories: 209.

Number of accredited product certifiers: government agencies and institutions-1; private sector-6.

Government accreditor of product certifiers:

4.4 Same as 2.2.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 2.2.

Number of facilities registered to ISO 9000 or ISO 9002 or national equivalents: 340.

Number of registrars geographically located in Mexico: 9.

Number of registrars accredited by the national accreditor: 2.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a government body.

Participates in: ISO/TC 176.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars:

6.1 Same as 2.2.

This is a government body.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.2 Same as 2.2.

A list of all mandatory standards is available in Spanish.

A list of all publicly available standards is available in Spanish.

Mongolia

BASIC DATA

Land area: 1.565 million sq km; comparative area: slightly larger than Alaska.

Population: 2 494 000; growth rate: 2.58%.

GDP: \$4.4 billion; real growth rate: 2.5%; national product per capita: \$1800.

Exports: \$360 billion; copper, livestock, animal products, cashmere, wool, hides, fluor spar, nonferrous metals.

Partners: former CMEA countries-62%, China-17%, EU-8%.

Imports: \$361 billion; machinery and equipment, fuels, foods, industrial goods, chemicals, building materials, sugar, tea. Partners: Russia-75%, Austria-5%, China-5%.

NATIONAL MSTQ COORDINATION

1.1 Mongolian National Institute for Standardization and Metrology
Ulaanbaatar - 51

Tel.: (976) 135-8349; Fax: (976) 135-8032

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Accreditor:

2.2 No response.

Legal metrology administrator:

3 No response.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, ITU, FAO/Codex.

Founded: 1953; staff-100.

Annual budget: \$150 000; portion of revenue from sales of publications and services-.4%; testing and certification-5.1%; government subvention-54.2%.

Number of standards published or approved by primary standards body: 3500.

Voluntary-9.4%; mandatory-90.6%.

Number of other standards bodies: No response.

TESTING AND PRODUCT CERTIFICATION

4.1 No response.

QUALITY MANAGEMENT REGISTRATION

5.1 No response.

RELATED INFORMATION

6.1 No response.

Mozambique

BASIC DATA

Land area: 784 090 sq km; comparative area: slightly less than twice the size of California.

Population: 18 115 000; growth rate: 2.87%; literacy: 33%, age 15 and over.

GDP: \$10.6 billion; real growth rate: 5.8%; national product per capita: \$610.

Exports: \$150 million; shrimp-40%, cashews, cotton, sugar, copra, citrus. Partners: Spain, South Africa, US, Portugal, Japan.

Imports: \$1.14 billion; food, clothing, farm equipment, petroleum. Partners: South Africa, UK, France, Japan, Portugal.

NATIONAL MSTQ COORDINATION

1.1 National Institute of Standardization and Quality
C.P. 2983
Maputo

Tel.: (258-1) 421409; Fax: (258-1) 424585

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Planning is underway.

Accreditor:

2.2 Planning is underway.

Legal metrology administrator:

2.3 Planning is underway.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Founded: 1993; staff-2.

Annual budget: \$250 000; government subvention-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation: None.

Government accreditor of testing laboratories: None.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 None identified.

National accreditor of quality management system registrars: None.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Planning is underway.

Nepal

BASIC DATA

Land area: 136 800 sq km; comparative area: slightly larger than Arkansas.

Population: 21 561 000; growth rate: 2.44%; labor force: 8.5 million; literacy: 26%, age 15 and over.

GDP: \$22.4 billion; real growth rate: 5%; national product per capita: \$1060.

Exports: \$593 billion; carpets, clothing, leather goods, jute goods, grain. Partners: India, US, Germany, UK.

Imports: \$899 billion; petroleum products-20%, fertilizer-11%, machinery-10%. Partners: India, Singapore, Japan, Germany.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Nepal Bureau of Standards and Metrology
P.O. Box 985
Sundhara
Kathmandu

Tel.: (977) 127-2689; Fax: (977) 127-2689

This is a government body.

Legal metrology administrator:

2.2 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 2.1.

Participates in: ISO, ITU, FAO/Codex.

Founded: 1976; staff-84.

Annual budget: \$260 000; government subvention-100%.

Number of standards published or approved by primary standards body: 400.

Voluntary-99%; mandatory-1%.

TESTING AND PRODUCT CERTIFICATION

4.1 No response.

QUALITY MANAGEMENT REGISTRATION

5.1 No response.

RELATED INFORMATION

6.1 No response.

Netherlands

BASIC DATA

Land area: 33 920 sq km; comparative area: slightly less than twice the size of New Jersey.

Population: 15 453 000; growth rate: 0.52%; labor force: 6.4 million; literacy: 99%, age 15 and over.

GDP: \$275.8 billion; real growth rate: 2%; national product per capita: \$17 940.

Exports: \$153 billion; metal products, chemicals, processed food and tobacco, agricultural products. Partners: EU-77%, Central and Eastern Europe-10%, US-4%.

Imports: \$137 billion; raw materials and semifinished products, consumer goods, transportation equipment, crude oil, food products. Partners: EU-64%, US-8%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 NMI Van Swinden Laboratorium
P.O. Box 654
NL 2600 AR Delft

Tel.: (31-15) 269-1500; Fax: (31-15) 261-2971
E-mail: nmi@nmi.nl

This is a private sector organization.

Annual budget: \$14 million; portion of revenue from fees for services-40%; government subvention-60%.

Participates in: Member BIPM since 1929.
Regional: EUROMET.

Accreditor:

- 2.2 Raad Voor Accreditatie
P.O. Box 2768
3500 GT Utrecht

Tel.: (31-30) 239-4500; Fax: (31-30) 239-4539

This is a private sector organization.

Number of accredited secondary calibration labs: 68.

Legal metrology administrator:

- 2.3 GNMI Inspecties en Kansspeltechniek
P.O. Box 394
NL 3300 AJ Dordrecht

Tel.: (31-78) 633-2332; Fax: (31-78) 633-2309
E-mail: nmi@nmi.nl

This is a private sector organization.

Participates in: Member OIML since 1955.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Nederlands Normalisatie-instituut
Kalfjeslaan 2
P.O. Box 5059
NL 2600 GB Delft

Tel.: (31-15) 690255; Fax: (31-15) 690130
E-mail: [name]@nmi.nl

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC.

Founded: 1919; staff-210.

Annual budget: \$31 million; portion of revenue from sales of publications and services-50%; private sector subscription-35%; government subvention-1%.

Number of standards published or approved by primary standards body: 6000.
Voluntary-100%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 2.2.

This is a private sector organization.

Private sector accreditor of testing laboratories:

- 4.2 Same as 2.2.

Number of private sector accredited testing laboratories:
No response.

Number of EU recognized Notified Bodies: No response.

Number of accredited product certifiers: No response.

Private sector accreditor of product certifiers:

4.3 Same as 2.2.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Dutch Foundation for Quality
P.O. Box 84031
NL-3009 CA Rotterdam

Tel.: (31-10) 455-4700; Fax: (31-10) 455-8857

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

Number of registrars geographically located in the Netherlands: No response.

Number of registrars accredited by the national accreditor: No response.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a private sector organization.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 None identified.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

National accreditor of environmental management system registrars:

6.1 Same as 2.2.

This is a private sector organization.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.2.1

For standards:

Same as 3.1.

6.2.2

For conformity assessment procedures:

Same as 2.2.

6.2.3

For technical regulations:

Ministry of Economic Affairs - Central Service

Imports and Exports

Section EEC/WTO notifications, Engelse Kamp 2

P.O. Box 30003

9700 RD Groningen

Tel.: (31-50) 523-9178; Fax: (31-50) 523-9219

6.2.4

For nutrition and quality affairs:

Ministry of Agriculture, nature management and fisheries

P.O. Box 20401

2500 EK Den Haag

Tel.: (31-70) 379-2456; Fax: (31-70) 347-7552

6.2.5

For eco-labelling

Stichting Milieukeur

Eisenhowerlaan 150

2517 KP Den Haag

Tel.: (31-70) 558-6300; Fax: (31-70) 350-2517

New Zealand

BASIC DATA

Land area: 268 670 sq km; comparative area: about the size of Colorado.

Population: 3 407 000; growth rate: 0.52%; labor force: 1.6 million; literacy: 99%, age 15 and over.

GDP: \$56.4 billion; real growth rate: 6.2%; national product per capita: \$16 640.

Exports: \$11.2 billion; wool, lamb, mutton, beef, fish, cheese, chemicals, forestry products, fruits and vegetables. Partners: Australia-20%, Japan-15%, US-12%, UK-6%.

Imports: \$10.4 billion; machinery and equipment, vehicles and aircraft, petroleum, consumer goods. Partners: Australia-21%, US-18%, Japan-16%, UK-6%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1.1

National coordinator:
National Standards Commission
P.O. Box 282
North Ryde, N.S.W. 2113

Tel.: (61-2) 888-3922; Fax: (61-2) 888-3033

2.1.2

Measurement Standards Laboratory:
New Zealand Institute for Industrial Research
P.O. Box 31-310
Lower Hutt

Tel.: (64-4) 569-0000; Fax: (64-4) 569-01173
E-mail: c.sutton@iril.crinz

This is a government body.

Annual budget: \$3 million; portion of revenue from fees for services-6.4%; primary measurement standards-70.1%; research contracts-13.5%.

Participates in: Member BIPM since 1991. Regional: APMP.

Accreditor:

2.2 Telarc New Zealand
Level One, 630 Great South Road
Greenlane
Auckland 1130
Postal: Private Bag 28 901
Remuera
Auckland 1136

Tel.: (64-9) 525-0100; Fax: (64-9) 525-1900

Website: <http://www.telarc.govt.nz/telarc/>

This is a government body.

Number of accredited secondary calibration labs: 39.

Legal metrology administrator:

2.3 Trade Measurement Unit
Ministry of Consumer Affairs
P.O. Box 1473
Wellington

Tel.: (64-4) 474-2750; Fax: (64-4) 473-9400

E-mail: johnb@moc.govt.nz

This is a government body.

Participates in: Member OIML since 1955. Regional: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standards New Zealand
Private Bag 2439
Wellington 6020

Tel.: (64-4) 498-5990; Fax: (64-4) 498-5994

This is a private body officially recognized by government.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: PASC.

Founded: 1965; staff-63.

Annual budget: \$6.25 million; portion of revenue from sales of publications and services-33%; testing and certification-28%; private sector subscription-28%; government subvention-3%.

Number of standards published or approved by primary standards body: 1800.

Voluntary-99%; mandatory-1%.

TESTING AND PRODUCT CERTIFICATION

Tel.: (61-6) 276-1999; Fax: (61-6) 276-2041

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a private sector organization.

Participates in: ILAC. Regional: APLAC.

Private sector accreditor of testing laboratories:

4.2 Same as 2.2.

Number of private sector accredited testing laboratories:

No response.

Number of accredited product certifiers: None.

Government accreditor of product certifiers: No response.

Countries with product certification MOUs or MRAs: No response.

Private sector accreditor of product certifiers: No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 New Zealand Organization for Quality
P.O. Box 622
Parmeraton North

Tel.: (64-6) 350-5825; Fax: (64-6) 350-5820

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 2000.

Number of registrars geographically located in New Zealand: 8.

Number of registrars accredited by the national accreditor: 8.

National accreditor of quality management system registrars:

5.2 Joint Accreditation System of Australia and New Zealand (JAS-ANZ)
P.O. Box 164
Civic Square
Act 2608
Australia

Certifier of quality assessors:

5.3 Quality Society of Australia
P.O. Box 742
Crows Nest
New South Wales 2065
Australia

Tel.: (61-2) 9901-9940; Fax: (61-2) 9901-4677

This is a private sector organization.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	9	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certification bodies
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 D and E:
Same as 5.2.

Environmental management systems

National standards exist.

Number of EMS registrars geographically located in New Zealand: 8.

Number of EMS accredited by the national accreditor: None.

National accreditor of environmental management system registrars:

6.2 Same as 5.2.

WTO Enquiry Point

6.3 Same as 3.1.

Norway

BASIC DATA

Land area: 307 860 sq km; comparative area: slightly larger than New Mexico.

Population: 4 331 000; growth rate: 0.37%; labor force: 2.13 million; literacy: 99%, age 15 and over.

GDP: \$95.7 billion; real growth rate: 5.5%; national product per capita: \$22 170.

Exports: \$36.6 billion; petroleum and petroleum products-40%, metals and products-10.6%, fish and fish products-6.9%, chemicals-6.4%, natural gas-6%, ships-5.4%.

Partners: EU-66.3%, Nordic countries-16.3%, US-6%, Japan-1.8%.

Imports: \$29.3 billion; machinery and equipment-38.9%, chemicals and industrial inputs-26.6%, consumer goods-17.8%, foods-6.4%. Partners: EU-48.6%, Nordic countries-25.1%, US-8.1%, Japan-8%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Norwegian Metrology and Accreditation Service
Fetveien 99
2007 Kjeller

Tel.: (47) 64 84 8484; Fax: (47) 64 84 8485
E-mail: postmaster@justeversenet.dep.telemex.no

This is a government body.

Participates in: Member BIPM since 1875. Regional: EUROMET.

Accreditor:

2.2 Norwegian Accreditation
Address same as 2.1

This is a government body.

Legal metrology administrator:

2.3 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Norges Standardiseringsforbund
P.O. Box 353 Skoyen
N-0212 Oslo
Location: Drammensveien 145 A
Skoyen, Oslo

Tel.: (47-22) 04 92 00; Fax: (47-22) 04 92 11

E-mail: firmapost@norsk-standard.msmail.telemex.no

Website: <http://www.standard.no/>

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1923; staff-39.

Annual budget: \$9 million; portion of revenue from sales of publications and services-64%; testing and certification-7.6%; private sector subscription-1%; government subvention-22%.

Number of standards published or approved by primary standards body: 3600.

Voluntary-90%; mandatory-10%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Norwegian Accreditation (NA)
Same as 2.1.

This is a government body.

Participates in: ILAC. Regional: EA.

Government accreditor of testing and calibration laboratories:

4.2 Same as 2.2.

Number of government accredited testing laboratories: 102; foreign accredited - 1.

Number of EU recognized Notified Bodies: 21.

Countries with MOUs or MRAs: 16 (EA); MRAs - 14 (EA MLA).

Number of accredited product certifiers: No response.

Government accreditor of product certifiers: 6.1 Same as 2.2.

4.3 Same as 2.2.

WTO Enquiry Point

Countries with product certification MOUs or MRAs: 6.2 Same as 3.1.
MOUs - 16 (EA); MRAs - 10 (EA MLA).

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Norwegian Society for Quality
Brynsvelen 96
N-1352 Kolsas

Tel.: (47-2) 137775; Fax: (47-2) 133518
Website: <http://www.cybercomm.no/kvalitetskanalei>

Number of facilities registered to ISO 9001 or 9002 or national equivalent: Approximately 1000.

Number of registrars geographically located in Norway: 6.

Number of registrars accredited by the national accreditor: 6.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

Countries with quality registration MOUs or MRAs:
MOUs - 16 (EA); MRAs - 11 (EA - MLA).

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Planning is underway.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards (ISO 14000) exist.

Number of facilities at which these standards are implemented: Approximately 20.

Number of EMS registrars geographically located in Norway: 5.

Number of EMS accredited by the national accreditor: 5.

National accreditor of environmental management system registrars:

Pakistan

BASIC DATA

Land area: 778 720 sq km; comparative area: slightly less than twice the size of California.

Population: 131 542 000; growth rate: 1.28%; labor force: 36 million; literacy: 35%, age 15 and over.

GDP: \$248.5 billion; real growth rate: 4%; national product per capita: \$1930.

Exports: \$6.7 billion; cotton, textiles, clothing, rice, leather, carpets. Partners: US, Japan, Hong Kong, UK, UAE, France.

Imports: \$9.5 billion; petroleum and petroleum products, machinery, transportation equipment, vegetable oils, animal fats, chemicals.

NATIONAL MSTQ COORDINATION

- 1.1 Pakistan Standards & Quality Control Authority
No address provided.

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Pakistan Standards Institution
39 Garden Road, Saddar
Karachi 74400

Tel.: (92-21) 772-9527; Fax: (92-21) 772-8124

This is a private body officially recognized by government.

Legal metrology administrator:

- 2.3 Same as 2.1.
-

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 2.1.

Founded: Not identified; staff-152

Annual budget: \$815 000; portion of revenue from sales of publications and services 2.5%; testing and certification 25.5%; government subvention-62.4%.

Number of standards published or approved by primary standards body: 3500.

Voluntary-98.8%; mandatory-1.2%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 None identified.

Government accreditor of testing laboratories:

- 4.2 None identified.

Private sector accreditor of testing laboratories:

- 4.3 None identified.

Government accreditor of product certifiers:

- 4.4 None identified.

Private sector accreditor of product certifiers:

- 4.5 None identified.
-

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Pakistan Association for Reliability and Quality Assurance
A-567, Block-L, North Nazimabad
Karachi 74700

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certification bodies
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, D and E:
Same as 2.1.

Environmental management systems

No response.

WTO Enquiry Point

6.2 Economic Consultant
Ministry of Commerce
Government of Pakistan
Islamabad

Tel.: (92-51) 821766; Fax: (92-51) 825241

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Peru

BASIC DATA

Land area: 1 285 000 sq km; comparative area: slightly smaller than Alaska.

Population: 24 087 000; growth rate: 1.8%; labor force: 8 million; literacy: 82%.

GDP: \$73.6 billion; real growth rate: 8.6%; national product per capita: \$3110.

Exports: \$4.1 billion; copper, zinc, fishmeal, crude petroleum and byproducts, lead, silver, coffee, cotton. Partners: US-19%, Japan-9%, Italy, Germany.

Imports: \$5.1 billion; machinery, transport equipment, foods, petroleum, iron and steel, chemicals, pharmaceutical. Partners: US-21%, Colombia, Argentina, Germany, Japan, Brazil.

NATIONAL MSTQ COORDINATION

- 1.1 Instituto Nacional de Defensa de la Competencia y de la Proteccion de la Propiedad Intelectual (INDECOPI)
Calle La Prosa No. 138
P.O. Box 145, Lima
San Borja, Lima 41

Tel.: (51-1) 224-7800; Fax: (51-1) 224-0348
E-mail: metidaj@indecopi.gob.pe

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Servicio Nacional de Metrologia
Address Same as 1.1.

This is a government body.

Annual budget: \$7.5 million.

Participates in: Regional: SIM.

Accreditor:

- 2.2 Comisión de Relamentos Tecnicos y Comerciales (INDECOPI)
Same as 2.1.

Tel.: (51-1) 224-7800; Fax: (51-1) 224-0346
E-mail: cnmamelj@indecopi.gob.pe

This is a government body.

Number of accredited secondary calibration labs: None.

Legal metrology administrator:

- 2.3 Same as 2.2.

This is a government body.

Participates in: Member OIML since 1986.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 2.2.

This is a government body.

Participates in: ISO, ITU, FAO/Codex. Regional: COPANT.

Founded: 1992; staff-100; total number of committee members-200.

Annual budget: \$7.5 million; government subvention-12%.

Number of standards published or approved by primary standards body: 3300.

Voluntary-99%; mandatory-1%.

Total number of publicly available standards: 3300.

Identical to, technically equivalent, or based on international standards: 10%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 2.2.

Government accreditor of testing laboratories:

- 4.2 Same as 2.2.

Number of government accredited testing laboratories: None; foreign accredited-9.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-1; private sector-None.

Government accreditor of product certifiers:

4.3 Same as 2.2.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 2.2.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: None.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a government body.

Participates in: Regional: COPANT.

Certifier of quality assessors:

5.3 Same as 2.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A through G: Same as 2.2.

Environmental management system

National standards exist.

National accreditor of environmental management system registrars:

6.2 Same as 2.2.

WTO Enquiry Point

6.3 Same as 2.2.

A list of all mandatory standards is available in Spanish.
A list of all publicly available standards is available in Spanish.

Philippines

Tel.: (63-2) 890-4965; Fax: (63-2) 890-4926
E-mail: dtibpsrp@mnl.sequel.net

BASIC DATA

Land area: 298 170 sq km; comparative area: slightly larger than Arizona.

Population: 73 265 584; growth rate: 2.23%; labor force: 24.12 million; literacy: 94%, age 15 and over.

GDP: \$161.4 billion; real growth rate: 4.3%; national product per capita: \$2310.

Exports: \$13.4 billion; electronics, textiles, coconut products, copper, fish. Partners: US-39%, Japan-16%, Germany-5%, Hong Kong-5%, UK-4%.

Imports: \$21.3 billion; raw materials-40%, capital goods-25%, petroleum products-10%. Partners: Japan-23%, US-20%, Taiwan-6%, Singapore-5%, South Korea-5%.

NATIONAL MSTQ COORDINATION

- 1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Metrology Laboratory
Industrial Technology Development Institute
Department of Science and Technology
P. Gil, Taft Avenue
Manila

This is a government body.

Accreditor:

- 2.2 No response.

Legal metrology administrator:

- 2.3 No response.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Bureau of Products Standards
Department of Trade and Industry
P.O. Box 3228 MCPO
361 Sen. Gil J. Puyat Avenue
Makati
Metro Manila 1200

This is a government body.

Participates in: ISO, ITU. Regional: ASEAN.

Founded: 1964; staff-100; total number of committee members-54.

Annual budget: \$910 000; portion of revenue from sales of publications and services-50%; testing and certification-40%; private sector subscription-10%.

Number of standards published or approved by primary standards body: 1700.

Voluntary-97%; mandatory-3%.

Number of other standards bodies: national government-5; private sector-3.

Total number of publicly available standards: 3200.

Identical to technically equivalent, or based on international standards: 40%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 3.1.

Tel.: (63-2) 890-4852; Fax: (63-2) 4926

This is a government body.

Participates in: ILAC. Regional: APLAC.

Government accreditor of testing laboratories:

- 4.2 Laboratory Accreditation Scheme
Address same as 3.1

Number of government accredited testing laboratories: 2.

Private sector accreditor of testing laboratories:

- 4.3 No response.

Government accreditor of product certifiers:

- 4.4 No response.

Private sector accreditor of product certifiers:

- 4.5 No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Philippine Society for Quality Control (PSQC) (2)
c/o Magnolia Corporation
Surora Boulevard
Cubao, Quezon City

Tel.: (63-2) 896-4464; Fax: (63-2) 899-5925

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 142.

National accreditor of quality management system registrars: None.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

6.1 Same as 3.1.

Tel.: (63-2) 890-4965; Fax: (63-2) 890-4926

Poland

BASIC DATA

Land area: 304 510 sq km; comparative area: slightly smaller than New Mexico.

Population: 38 792 442; growth rate: 0.36%; labor force: 17.321 million; literacy: 99%, age 15 and over.

GDP: \$191.18 billion; real growth rate: 5.5%; national product per capita: \$4920.

Exports: \$16.3 billion; intermediate goods-26.5%, machinery and transport equipment-18.1%, miscellaneous manufactures-16.7%, foodstuffs-9.4%, fuels-8.4%. Partners: Germany-33.4%, Russia-10.2%, Italy-5.3%, UK-4.3%.

Imports: \$18.1 billion; machinery and transport equipment-29.6%, intermediate goods-18.5%, chemicals-13.3%, fuels-12.5%, miscellaneous manufactures 10.1%. Partners: Germany-35.8%, Italy-9.2%, Russia-8.5%, UK-6.6%.

NATIONAL MSTQ COORDINATION

1.1 Does not exist

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Central Office of Measures
ul. Elektoralna 2
P.O. Box P-10
PL 00-950 Warsaw

Tel.: (48-22) 620-0747; Fax: (48-22) 620-8378

This is a government body.

Annual budget: \$12.63 million; Self-supporting.

Participates in: Member BIPM since 1925. Regional: COOMET, WELMEC, EUROMET.

Accreditor:

2.2 Same as 2.1.

This is a government body.

Number of accredited secondary calibration labs: None.

Legal metrology administrator:

2.3 Same as 2.1.

This is a government body.

Participates in: Member OIML since 1955.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Polish Committee for Standardization
ul. Elektoralna 2
P.O. Box 411
PL 00-950 Warsaw

Tel.: (48-22) 620-5434; Fax: (48-22) 620-0741

E-mail: polknor@atos.warman.com.pl

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1924; staff-314; total number of committee members-5823.

Annual budget: \$6.7 million; portion of revenue from sales of publications and services-3.3%; government subvention-96.7%.

Number of standards published or approved by primary standards body: 15 366.

Voluntary-82.6%; mandatory-17.4%.

Number of other standards bodies: None.

Total number of publicly available standards: 15 366.

Identical to, technically equivalent, or based on international standards: 16.8%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 National accreditation scheme of testing laboratories:
Central Office for Products Quality
Swietokrzyska, 14B str.
PL 00-950 Warsaw

Tel.: (48-22) 277071; Fax: (48-22) 266765

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of government accredited testing laboratories: None.

Private sector accreditor of testing laboratories:

4.3 Polish Society for Certification and Testing
Address same as 4.1

Number of private sector accredited testing laboratories:
No response.

Number of accredited product certifiers: government agencies and institutions - No response.

Government accreditor of product certifiers:

4.4 Same as 4.1.

Countries with product certification MOUs or MRAs: No response.

Private sector accreditor of product certifiers:

4.5 Same as 4.3.

6.2 D, E and F: Training Department
PCBC
No address provided.

Environmental management systems

National standards exist.

WTO Enquiry Point

6.2 Planning underway.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Central Office for Products Quality
Same as 4.1.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

National accreditor of quality management system registrars:

5.2 Same as 5.1.

Certifier of quality assessors:

5.3 None identified.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Inspection Department
PCBC
No address provided.

Portugal

BASIC DATA

Land area: 91 640 sq km; comparative area: slightly smaller than Indiana.

Population: 10 532 388; growth rate: 0.36%; labor force: 4.24 million; literacy: 85%, age 15 and over.

GDP: \$107.3 billion; real growth rate: 1.4%; national product per capita: \$10 190.

Exports: \$15.4 billion; clothing and footwear, machinery, cork and paper products, hides and skins. Partners: EU-72%, other developed countries-12.4%, US-4.3%.

Imports: \$24.3 billion; machinery and transport equipment, agricultural products, chemicals, petroleum, textiles. Partners: EC-72%, other developed countries-10.9%, less developed countries-12.9%, US-3.4%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Laboratório Central de Metrologia
Instituto Português de Qualidade
Rua C à Avenida dos Três Vales
P-2825 Monte da Caparica

Tel.: (351-1) 294-8196; Fax: (351-1) 294-8188

This is a government body.

Annual budget: \$14.4 million; portion of revenue from fees for services-48%; government subvention-52%.

Participates in: Member BIPM since 1985.

Regional: EUROMET.

Accreditor:

2.2 Serviço de Accréditação
Address same as 2.1.

Tel.: (351-1) 294-8201; Fax: (351-1) 294-8202

This is a government body.

Number of accredited secondary calibration labs: 25.

Legal metrology administrator:

2.3 Serviço de Metrologialegal

This is a government body.

Participates in: Member OIML since 1984.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Instituto Português da Qualidade
Address same as 2.1.

Tel.: (351-1) 294-8100; Fax: (351-1) 294-8101

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: COPANT, CEN, CENELEC.

Founded: 1986; staff-216.

Annual budget: \$13.5 million.

Number of standards published or approved by primary standards body: 2700.

Voluntary-90%; mandatory-10%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 None identified.

Government accreditor of testing laboratories:

4.2 Certification Service
Address same as 2.1.

Number of government accredited testing laboratories:

No response.

Number of EU recognized Notified Bodies: No response.

Number of accredited product certifiers: No response.

Government accreditor of product certifiers:

4.3 Same as 4.2.

Countries with product certification MOUs or MRAs: No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 Portuguese Association for Quality
Praca das Indústrias
PT-1300 Lisboa

Tel.: (35-11) 363-6443; Fax: (35-11) 645081

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

National accreditor of quality management system registrars:

- 5.2 Same as 4.2.

This is a government body.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point

- 6.1 Same as 3.1.

Romania

BASIC DATA

Land area: 230 340 sq km; comparative area: slightly smaller than Oregon.

Population: 23 198 330; growth rate: 0.09%; labor force: 11.3 million; literacy: 97%, age 15 and over.

GDP: \$64.7 billion; real growth rate: 3.4%; national product per capita: \$2790.

Exports: \$6 billion; metals and metal products-17.6%, mineral products-11.9%, textiles-18.5%, electric machines and equipment-8.4%, transport materials-6.5%. Partners: EC-36.1%, developing countries-27.4%, East and Central Europe-14.9%, EFTA-5.1%, Russia-5%, Japan-1.4%, US-1.3%.

Imports: \$6.3 billion; minerals-21.1%, machinery and equipment-19.7%, textiles-11.5%, agricultural goods-9.2%. Partners: EC-45.8%, East and Central Europe-8.6%, developing countries-22.6%, Russia-11%, EFTA-6.2%, US-5.0%, Japan-0.8%.

NATIONAL MSTQ COORDINATION

1.1 The National Commission for Standards, Metrology and Quality
P.O. Box 209
Bucharest

Tel.: (400) 156692; Fax: (400) 149437

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Institute National de Métrologie
11, Sos. Vitan-Bârzesti
75669 Bucharest

Tel.: (40-1) 634-3520; Fax: (40-1) 330-1533

This is a government body.

Annual budget: \$1 million; portion of revenue from fees for services-64%; government subvention-36%.

Participates in: Member BIPM since 1883.
Regional: COOMET, WELMEC.

Accreditor:

2.2 Bureau Roumain de Métrologie Légale
21, Boulevard Nicolae Balcescu
70112 Bucharest

Tel.: (40-1) 613-1654; Fax: (40-1) 312-0501

This is a government body.

Number of accredited secondary calibration labs: 14.

Legal metrology administrator:

2.3 Same as 2.2.

This is a government body.

Participates in: Member OIML since 1956.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Institutul Român de Standardizare
Str. Jean-Louis Calderon Nr. 13
Sector 2
Bucuresti 2

Tel.: (40-1) 211-3296; Fax: (40-1) 210-0833

This is a government body.

Founded: 1970; staff-129.

Annual budget: \$800 000; government subvention-100%.

Number of standards published or approved by primary standards body: 14 000.

Voluntary-96%; mandatory-4%.

Total number of publicly available standards: 14 000.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 None identified.

Government accreditor of testing laboratories:

4.2 Same as 3.1.

Number of government accredited testing laboratories:

No response.

Number of accredited product certifiers: No response.

Government accreditor of product certifiers:

4.3 Same as 3.1.

Countries with product certification MOUs or MRAs: No response.

Environmental management systems

National standards do not exist.

WTO Enquiry Point

6.1 Same as 3.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Romanian Association for Quality
Str. Iani Buzoiani nr. 1
Bl. 16A, Et. 10, Ap. 42, Sector 1,
Bucharest

Tel.: (40-1) 665-5304; Fax: (40-1) 312-6945

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 27.

Number of registrars geographically located in Romania:

5.

Number of registrars accredited by the national accreditor: 3.

National accreditors of quality management system registrars:

5.2.1

Romanian Institute for Standardization
Same as 3.1.

5.2.2

Romanian Bureau for Legal Metrology
Same as 2.1.

Foreign quality system registrars are required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Russia

BASIC DATA

Land area: 16 995 800 sq km; comparative area: slightly more than 1.8 times the size of the US.

Population: 149 909 089; growth rate: 0.2%; labor force: 85.0 million; literacy: 98%, age 15 and over.

GDP: \$721.2 billion; real growth rate: -15%; national product per capita: \$4820.

Exports: \$48 billion; petroleum and petroleum products, natural gas, wood and wood products, metals, chemicals, and a wide variety of civilian and military manufactures. Partners: Europe, North America, Japan, Third World countries, Cuba.

Imports: \$35.7 billion; machinery and equipment, consumer goods, medicines, meat, grain, sugar, semifinished metal products. Partners: Europe, North America, Japan, Third World countries, Cuba.

NATIONAL MSTQ COORDINATION

- 1.1 State Committee of the Russian Federation for Standardization, Metrology and Certification
Leninsky Prospekt 9
Moskva 117049

Tel.: (7-095) 236-4044; Fax: (7-095) 237-6032
E-mail: gosstandard@sovcust

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Same as 1.1.

Annual budget: \$7 million; portion of revenue from fees for services-70%; government subvention-30%.

Participates in: Member BIPM since 1875. Regional: COOMET.

Accreditor:

- 2.2 Same as 1.1.

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

- 2.3 Same as 1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Same as 1.1.

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1991; staff-320; total number of committee members-370.

Annual budget: \$5.5 million; portion of revenue from sales of publications and services-5%; testing and certification-8%; private sector subscription-2%; government subvention- 85%.

Number of standards published or approved by primary standards body: 22 000.

Voluntary-40%; mandatory-60%.

Number of other standards bodies: None.

Total number of publicly available standards: 22 000.

Identical to, technically equivalent, or based on international standards: 20%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.

Government accreditor of testing laboratories:

- 4.2 Same as 1.1.

Number of government accredited testing laboratories: 1829; foreign accredited-53.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: No response.

Government accreditor of product certifiers:

- 4.3 Same as 1.1.

Countries with product certification MOUs or MRAs: No response.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

Number of registrars geographically located in Russia: No response.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Countries with quality registration MOUs or MRAs: No response.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Same as 1.1.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

National standards exist.

National accreditor of environmental management system registrars:

6.1 Same as 1.1.

This is a government body.

Participates in: ISO/TC 207.

Saudi Arabia

BASIC DATA

Land area: 1 960 582 sq km; comparative area: slightly less than one-fourth the size of the US.

Population: 18 729 576; growth rate: 3.68%; labor force: 5 - 6 million; literacy: 62%, age 15 and over.

GDP: \$173.1 billion; real growth rate: -3%; national product per capita: \$9510.

Exports: \$39.4 billion; petroleum and petroleum products-92%. Partners: US-20%, Japan-18%, Singapore-5%, France-5%, South Korea-5%.

Imports: \$28.9 billion; machinery, and equipment, chemicals, foodstuffs, motor vehicles, textiles. Partners: US-21%, Japan-14%, UK-11%, Germany-8%, Italy-6%, France-5%.

NATIONAL MSTQ COORDINATION

1.1 Saudi Arabian Standards Organization
Imam Saud Bin Abdul Aziz Bin Mohammed Road
(West End)
P.O. Box 3437
Riyadh 11471

Tel.: (966-1) 452-000; Fax: (966-1) 452-0086

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Annual budget: \$10.4 million.

Accreditor:

2.2 Same as 1.1.

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

2.3 Same as 1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1972; staff-512.

Annual budget: \$10.4 million; government subvention-100%.

Number of standards published or approved by primary standards body: 1132.

Voluntary-15%; mandatory-85%.

Number of other standards bodies: national government-None.

Total number of publicly available standards: 1132.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Tel.: (966-1) 452-000x1317; Fax: (966-1) 452-0115

This is a government body.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories: No response.

Private sector accreditor of testing laboratories: None.

Number of private sector accredited testing laboratories: No response.

Number of accredited product certifiers: No response.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Countries with product certification MOUs or MRAs: No response.

Private sector accreditor of product certifiers:

4.4 Planning is underway.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Tel.: (966-1) 452-000x1666; Fax: (966-1) 452-0115

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

Number of registrars accredited by the national accreditor: Planning is underway.

National accreditor of quality management system registrars:

5.2 An accreditation Scheme for the six Gulf Cooperation Council countries, Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates, is expected to be established in 1997. Accreditation of quality system registrars is expected to commence in 1998, following establishment of the Gulf Accreditation Scheme.

Tel.: (966-1) 452-000x1666; Fax: (966-1) 452-0115

This is a government body.

Countries with quality registration MOUs or MRAs: Turkey.

Certifier of quality assessors:

5.3 Same as 5.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 5.2.

Environmental management systems

National standards do not exist.

Number of facilities at which these standards are implemented: None.

Number of EMS registrars geographically located in Saudi Arabia: Planning is underway.

National accreditor of environmental management system registrars:

6.2 Same as 5.2.

Singapore

BASIC DATA

Land area: 622.6 sq km; comparative area: slightly less than three-fifths the size of Washington, DC.

Population: 2 890 468; growth rate: 1.06%; labor force: 1.649 million; literacy: 89%, age 15 and over.

GDP: \$57 billion; real growth rate: 10.1%; national product per capita: \$19 940.

Exports: \$96.4 billion; computer equipment, rubber and rubber products, petroleum products, telecommunications equipment. Partners: Malaysia-20%, US-19%, Hong Kong-9%, Japan-7%, Thailand-6%.

Imports: \$102.4 billion; aircraft, petroleum, chemicals, foodstuffs. Partners: Japan-22%, Malaysia-16%, US-15%, Taiwan-4%, Saudi Arabia-4%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Measurement Centre
Singapore Productivity and Standards Board
No. 1 Science Park Drive
Singapore 118221

Tel.: (65) 778-7777; Fax: (65) 778-3798

E-mail: sisirmsc@po.pacific.net.sg

This is a government body.

Annual budget: \$2.9 million; portion of revenue from fees for services-18%; government subvention-82%.

Participates in: Member BIPM since 1994. Regional: APMP.

Accreditor:

2.2 SINGLAS
Address same as 2.1

Tel.: (65) 778-7777; Fax: (65) 779-3571

This is a government body.

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

2.3 Weights and Measures Office
Ministry of Trade and Industry
Bright Hill Drive
Singapore 579498

Tel.: (65) 453-2521; Fax: (65) 458-1441

This is a government body.

Participates in: Member of APLM.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Centre for Standardisation
Address same as 2.1.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: PASC, ACCSQ, APEC.

Founded: 1963; staff-27; total number of committee members-600.

Annual budget: \$2.25 million.

Number of standards published or approved by primary standards body: 713.

Voluntary-87.5%; mandatory-12.5%.

Total number of publicly available standards: 713.

Identical to, technically equivalent, or based on international standards: 20%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Laboratory Accreditation
Address same as 2.1.

This is a government body.

Participates in: ILAC. Regional: APLAC.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Number of government accredited testing laboratories: 70; foreign accredited-0.

Countries with MRAs: Australia, Hong Kong, New Zealand, US.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Quality Division
Address same as 2.1.

Tel.: (65) 772-9362; Fax: (65) 872-0531
E-mail: chanwc@pacific.net.sg

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 750.

RELATED INFORMATION

Certification of MSTQ related services:

None identified.

National accreditor of environmental management system registrars:

6.1 Currently being established.

Number of EMS registrars geographically located in Singapore: 1.

WTO Enquiry Point

6.2.1

For standards and product certification:
Singapore Productivity and Standards Board
No. 1 Science Park Drive, PSB Building
Singapore 118221

Tel.: (65) 778-7777; Fax: (65) 776-1280
E-mail: ict@pacific.net.sg

6.2.2

For technical regulations for electrical safety of specific products:
Public Utilities Board
111 Somerset Road
PUB Building
Singapore 0923

Tel.: (65) 235-8888; Fax: (65) 731-3020

6.2.3

For technical regulations for processed foods and poisons:
Ministry of the Environment

Environment Building
40 Scotts Road
Singapore 0922

Tel.: (65) 732-7733; Fax: (65) 731-9456

6.2.4

For technical regulations for fish, meat, fruits and vegetables:

Primary Production Department
National Development Building
Maxwell Road
Singapore 0106

Tel.: (65) 222-1211; Fax: (65) 220-6068

A list of all mandatory standards is available in English and Chinese.

A list of all publicly available standards is available in English and Chinese.

Slovak Republic

BASIC DATA

Land area: 48 800 sq km; comparative area: about twice the size of New Hampshire.

Population: 5 432 383; growth rate: 0.54%; labor force: 2.484 million.

GDP: \$32.8 billion; real growth rate: 4.3%; national product per capita: \$6070.

Exports: \$6.3 billion; machinery and transport equipment, chemicals, fuels, minerals, metals. Partners: Czech Republic-37.7%, Germany-17.1%, Hungary-5.3%, Austria-5.3%, Italy-4.6%, Russia-4.0%, Poland-2.6%, Ukraine-1.8%, US-1.6%.

Imports: \$6.1 billion; machinery and transport equipment, fuels and lubricants, manufactured goods, raw materials, chemicals, agricultural products. Partners: Czech Republic-29.9%, Russia-19.0%, Germany-13.2%, Austria-5.8%, Italy-4.3%, US-2.6%, Poland-2.4%, Ukraine-1.9%, Hungary-1.6%.

NATIONAL MSTQ COORDINATION

- 1.1 Slovak Republic Office of Standards, Metrology and Testing
Štefanovicova 3
814 39 Bratislava

Tel.: (42-7) 391085; Fax: (42-7) 391050

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Slovak Institute of Metrology
Address same as 1.1.

This is a government body.

Annual budget: government subvention-100%.

Participates in: Member BIPM since 1993.

Accreditor:

- 2.2 Slovak National Accreditation System
Address same as 1.1.

Tel.: (42-7) 391416; Fax: (42-7) 391050

This is a government body.

Number of accredited secondary calibration labs: 8.

Legal metrology administrator:

- 2.3 Same as 2.1.

This is a government body.

Participates in: Member OIML since 1993.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Slovak Institute for Standardization
Address same as 1.1.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1993; staff-50; total number of committee members-1350.

Annual budget: \$2.5 million; government subvention-100%.

Number of standards published or approved by primary standards body: 1500.

Voluntary-90%; mandatory-10%.

Total number of publicly available standards: 16 800.

Identical to, technically equivalent, or based on international standards: 23%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Same as 1.1.

Participates in: ILAC. Regional: EAL, EAC.

Government accreditor of testing laboratories:

- 4.2 Slovak National Accreditation System
Address same as 2.2.

Number of government accredited testing laboratories: 61.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-1; private sector-2.

Government accreditor of product certifiers:

4.3 Same as 4.2.

Countries with product certification MOUs: EAC - associated member; MRAs: IECEE/CB, CENELEC/CCA, Russia, Belarus, Poland, Slovenia, Czech Republic.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Ministry of Economy of Slovak Republic
Mierová 19
827 15 Bratislava

Tel.: (42-7) 293363; Fax: (42-7) 230158

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 76.

Number of registrars geographically located in Slovakia: 11.

Number of registrars accredited by the national accreditor: 6.

National accreditor of quality management system registrars:

5.2 Same as 4.2.

Certifier of quality assessors:

5.3 Same as 4.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: None identified.

6.2 D: Same as 1.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 2.

Number of EMS registrars geographically located in Slovakia: 1.

Number of EMS registrars accredited by the national accreditor: 0.

National accreditor of environmental management system registrars:

6.3 Same as 4.2.

WTO Enquiry Point

6.4 Same as 3.1.
Karloveska cesta 63
842 45 Bratislava

Tel.: (42-7) 397886; Fax: 42-7) 397886

A list of all mandatory standards is available in Slovak and English.

A list of all publicly available standards is available in Slovak and English.

Slovenia

BASIC DATA

Land area: 20 296 sq km; comparative area: slightly larger than New Jersey.

Population: 2 051 522; growth rate: 0.24%; labor force: 786 036.

GDP: \$16 billion; real growth rate: 4%; national product per capita: \$8110.

Exports: \$6.5 billion; machinery and transport equipment-27%, intermediate manufactured goods-26%, chemicals-9%, food-4.8%, raw materials-3%, consumer goods-26%. Partners: Germany-29.5%, former Yugoslavia-15.8%, Italy-12.4%, France-8.7%, Austria-5.0%.

Imports: \$6.5 billion; machinery and transport equipment-30%, intermediate manufactured goods-17.6%, chemicals-11.5%, raw materials-5.3%, fuels and lubricants-10.8%, food-8.4%. Partners: Germany-25.0%, Italy-16.1%, former Yugoslavia-10.7%, France-8.0%, Austria-8.5%.

NATIONAL MSTQ COORDINATION

1.1 Standards and Metrology Institute of Slovenia (SMIS)
Kotnikova 6
SI-1000 Ljubljana

Tel.: (386-61) 1312322; Fax: (386-61) 314-882
E-mail: smis@usm.mzt.si

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

This is a government body.

Annual budget: \$800 000; government subvention-100%.

Accreditor:

2.2 Same as 1.1.

This is a government body.

Number of accredited secondary calibration labs: 1.

Legal metrology administrator:

2.3 Same as 1.1.

This is a government body.

Participates in: Member OIML since 1993.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1991; staff-20; total number of committee members-2100.

Annual budget: \$800 000; portion of revenue from sales of publications and services-28%; government subvention-72%.

Number of standards published or approved by primary standards body: 1880.

Voluntary-100%.

Number of other standards bodies: national government-None.

Total number of publicly available standards: 1880.

Identical to, technically equivalent, or based on international standards: 50%; others based on ENs.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories: 0; foreign accredited-0.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-13.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Countries with product certification MOUs or MRAs: Czech Republic, Bosnia and Herzegovina.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 150.

Number of registrars geographically located in Slovenia: 3.

Number of registrars accredited by the national accreditor: 1.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	9	:	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, B, C and D:
Same as 1.1.

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars:

6.2 Same as 1.1.

This is a government body.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.3 Same as 1.1.

There are no mandatory standards.

A list of all publicly available standards is available in Slovenian.

South Africa

BASIC DATA

Land area: 1 219 912 sq km; comparative area: slightly less than twice the size of Texas.

Population: 45 095 459; growth rate: 2.61%; labor force: 13.4 million; literacy: 76%, age 15 and over.

GDP: \$194.3 billion; real growth rate: 2%; national product per capita: \$4420.

Exports: \$25.3 billion; gold-27%, other minerals and metals-20%-25%, food-5%, chemicals-3%. Partners: Italy, Japan, US, Germany, UK, other EU countries, Hong Kong.

Imports: \$21.4 billion; machinery-32%, transport equipment-15%, chemicals-11%, oil, textiles, scientific instruments. Partners: Germany, US, Japan, UK, Italy.

NATIONAL MSTQ COORDINATION

1.1 South African Bureau of Standards
Private Bag X191
0001 Pretoria

Tel.: (27-12) 428-7911; Fax: (27-12) 344-1568
E-mail: bdfoulis@csir.co.za

This is an autonomous body created by government.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Council of Scientific and Industrial Research
P.O. Box 976
0001 Pretoria

Tel.: (27-12) 841-3139; Fax: (27-12) 841-2832

This is an autonomous body created by government.

Accreditor:

2.2 National Calibration Service
P.O. Box 914-2142
0153 Wingate Park

Tel.: (27-12) 841-2868; Fax: (27-12) 841-2832

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

2.3 Trade Metrology Division
Address same as 1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is an autonomous body created by government.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: ETSI.

Founded: 1945; staff-1372.

Annual budget: \$43 million; portion of revenue from sales of publications and services-3%; testing and certification-74%; government subvention-23%.

Number of standards published or approved by primary standards body: 4430.

Voluntary-99%; mandatory-1%.

Total number of publicly available standards: 4430.

Identical to, technically equivalent, or based on international standards: 22%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories: 86.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers: No response.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 South African Quality Institute
P.O. Box 121
Groenkloof 0027 Pretoria

Tel.: (27-12) 428-6934; Fax: (27-12) 428-6546

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 7200.

Number of registrars geographically located in South Africa: 7.

National accreditor of quality management system registrars:

- 5.2 South African National Accreditation System
No address identified.

This is a joint government body.

Certifier of quality assessors:

- 5.3 Southern African Council for Certification of Quality
System Auditors
Address same as 5.1.

Tel.: (27-12) 428-6545; Fax: (27-12) 428-6546

This is a private sector organization.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

- 6.1 A through G: Same as 1.1.

Environmental management systems

Number of EMS registrars geographically located in South Africa: 1.

Number of EMS accredited by the national accreditor: 1.

National accreditor of environmental management system registrars:

- 6.2 Southern African Council for Certification of Quality
System Auditors
Same as 5.2.

WTO Enquiry Point:

- 6.3 Foreign Trade Relations
Department of Trade and Industry
Private Bag X84
0001 Pretoria

Tel.: (27-12) 310-9791; Fax: (27-12) 320-7905

A list of all mandatory standards is available.

A list of all publicly available standards is not available.

Spain

BASIC DATA

Land area: 499 400 sq km; comparative area: slightly more than twice the size of Oregon.

Population: 39 404 348; growth rate: 0.27%; labor force: 14.621 million; literacy: 96%, age 15 and over.

GDP: \$515.8 billion; real growth rate: 1.8%; national product per capita: \$13 120.

Exports: \$72.8 billion; cars and trucks, semifinished manufactured goods, foodstuffs, machinery. Partners: EC-71.2%, US-4.8%, other developed countries-7.9%.

Imports: \$92.5 billion; machinery, transport equipment, fuels, semifinished goods, foodstuffs, consumer goods, chemicals. Partners: EC-60.7%, US-7.4%, other developed countries-11.5%, Middle East-5.9%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Centro Espanol de Metrologia
C/del alfar 2
28760 Tres Cantos
Madrid

Tel.: (34-1) 807-4700; Fax: (34-1) 807-4807

This is a government body.

Annual budget: \$8 million; portion of revenue from fees for services-80%; government subvention-20%.

Participates in: Member BIPM since 1875.

Accreditor:

2.2.1

Centro Espanol de Metrologia
Same as 2.1.

2.2.2

Entidad Nacional de Acreditación
Red Espanola de Laboratorios de Ensayo
Avda. de Concha Espina, 65, 2.0
Madrid E-28016
Tel.: (34-1) 564-9687; Fax: (34-1) 563-0454

Number of accredited secondary calibration labs: 50.

Legal metrology administrator:

2.3 Same as 2.1.

Participates in: Member OIML since 1955.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Asociación Espanola de Normalización y
Certificación (AENOR)
Calle Fernández de la Hoz, 52
E-28010 Madrid

Tel.: (34-1) 310-4851 Fax: (34-1) 310-4976

This is a private sector organization.

Participates in: ISO, IEC. Regional: CEN, CENELEC, COPANT.

Founded: 1985; staff-180; total number of committee members-114.

Annual budget: \$25 million; portion of revenue from sales of publications and services-14.8%; testing and certification- 63.3%; private sector subscription-3.52%; government subvention-10.08%.

Number of standards published or approved by primary standards body: 10 800.

Voluntary-80%; mandatory-20%.

Number of other standards bodies: national government-1.

Total number of publicly available standards: 11 900.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Entidad Nacional de Acreditación (ENAC)
Calle Serrano, 240-70 planta
E-28016 Madrid

Tel.: (34-1) 457-3289; Fax: (34-1) 458-6280

This is a private sector organization.

Government accreditor of testing laboratories: None.

Number of government accredited testing laboratories: No response.

Number of EU recognized Notified Bodies: No response.

Private sector accreditor of testing laboratories:

4.2 Same as 4.1.

Number of accredited product certifiers: No response.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers:

4.3 Same as 4.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 None identified.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 1450.

Number of registrars geographically located in Spain: 11.

Number of registrars accredited by the national accreditor: 3.

National accreditor of quality management system registrars:

5.2 Same as 4.1.

Participates in: ISO/TC 176. Regional: CEN/PCT.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

National accreditor of environmental management system registrars:

6.1 Same as 4.1.

WTO Enquiry Point:

6.2.1

For standards:

Same as 3.1.

6.2.2

For all other matters:

Ministerio de Comercio y Turismo

Dirección General de Comercio Exterior

Subdirección General de Control, Inspección y

Normalización de Comercio Exterior

Ps. de la Castellana, 162, 6a Planta

E-28071 Madrid

Tel.: (34-1) 349-3770; Fax: (34-1) 349-3740

A list of all mandatory standards is not available.

A list of all publicly available standards is available in Spanish.

Sri Lanka

BASIC DATA

Land area: 64 740 sq km; comparative area: slightly larger than West Virginia.

Population: 18 342 660; growth rate: 1.15%; labor force: 6.6 million; literacy: 88%, age 15 and over.

GDP: \$57.6 billion; real growth rate: 5%; national product per capita: \$3190.

Exports: \$2.9 billion; garments and textiles, teas, diamonds, other gems, petroleum products, rubber products, other agricultural products, marine products, graphite. Partners: US-35.2%, Germany, UK, Belgium-Luxembourg, Japan, Netherlands, France.

Imports: \$4 billion; textiles and textile materials, machinery and equipment, transport equipment, petroleum, building materials. Partners: Japan, India, Hong Kong, South Korea, Taiwan, Singapore, China.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 No response.

Legal metrology administrator:

2.3 Measurement Standards, and Services Division
Department of Internal Trade
101, Park Road
Colombo 5

Tel.: (941) 83261

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Sri Lanka Standards Institution
53 Dharmapala Mawatha
P.O. Box 17
Colombo 3

Tel.: (941) 226051; Fax: (941) 446018

This is a government body.

Participates in: ISO, ITU, FAO/Codex.

Founded: 1965; staff-340.

Annual budget: \$2.5 million; portion of revenue from sales of publications and services-2%; testing and certification 2%; government subvention-75%.

Number of standards published or approved by primary standards body: 1300.

Voluntary-93%; mandatory-7%.

Number of other standards bodies: None.

Total number of publicly available standards: 1300.

TESTING AND PRODUCT CERTIFICATION

4.1 No response.

QUALITY MANAGEMENT REGISTRATION

5.1 No response.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point:

6.2 Director of Commerce
Department of Commerce
"Rakshana Mandiraya"
21 Vauxhall Street
Colombo 2

Tel.: (941) 436114; Fax: (941) 430233

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Sweden

BASIC DATA

Land area: 410 928 sq km; comparative area: slightly smaller than California.

Population: 8 821 759; growth rate: 0.46%; labor force: 4.552 million; literacy: 99%, age 15 and over.

GDP: \$163.1 billion; real growth rate: 2.4%; national product per capita: \$18 580.

Exports: \$59.9 billion; machinery, motor vehicles, paper products, pulp and wood, iron and steel products, chemicals, petroleum and petroleum products. Partners: EC-55.8% (Germany-15%, UK-9.7%, Denmark-7.2%, France-5.8%), EFTA-17.4% (Norway-8.4%, Finland-5.1%), US-8.2%, Central and Eastern Europe-2.5%.

Imports: \$49.6 billion; machinery, petroleum and petroleum products, chemicals, motor vehicles, goodstuffs, iron and steel, clothing. Partners: EC-53.6%, EFTA-12.6%, US-8.4%, Central and Eastern Europe-3%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratories and national coordinators:

2.1.1

Sveriges Provnings-och Forskningsinstitut AB (SP)
Swedish National Testing and Research Institute
Box 857
S-501 15 Boras

Tel.: (46-3) 316-5000; Fax: (46-3) 316-5610

Limited company owned by the state.

2.1.2

Flygtekniska Forsöksanstalten (FFA)
The Aeronautical Research Institute of Sweden
Riksmatplatsen for tryck
Box 11021
S-161 66 Bromma

Tel.: (46-8) 634-1000; Fax: (46-8) 258734

This is a government body.

2.1.3

FFV Mätteknik AB
Riksmatplats, Avd AM58
Box 1015
S-732 26 Arboga

Tel.: (46-5) 898-3100; Fax: (46-5) 891-5910

Limited company owned by the state.

2.1.4

Statens Stralskyddsinstitut (SSI)
Swedish Radiation Protection Agency
171 16 Stockholm

Tel.: (46-8) 729-7100; Fax: (46-8) 729-7108

This is a government body.

Accreditor:

2.2 Swedish Board for Accreditation and Conformity
Assessment (SWEDAC)

Box 878
S-50115 Boras
and
Box 2231
S-10315 Stockholm

Tel.: (46-33) 177700; Fax: (46-33) 101392

E-mail: info@swedac.se

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

2.3 Same as 2.2.

This is a government body.

Participates in: Member of OIML since 1955.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standardiseringen I Sverige
St Eriksgatan 115
Box 6455
S-113 82 Stockholm

Tel.: (46-8) 610-3000; Fax: (46-8) 307757
E-mail: info@sis.se

This is a private body officially recognized by the government.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1922; staff-107; total number of committee members-6500.

Annual budget: \$37 million; portion of revenue from sales of publications and services-48%; testing and certification-11%; private sector subscription-3%; government grants-13%.

Number of standards published or approved by primary standards body: 12 094.

Voluntary-100%.

Number of other standards bodies: private sector-8.

Total number of publicly available standards: 12 094.

Identical to, technically equivalent, or based on international standards: 60%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

Participates in: ILAC, IAE. Regional: EAL, EAC.

Government accreditor of testing laboratories:

4.2 Same 2.2.

Number of government accredited testing laboratories: 380.

Number of EU recognized Notified Bodies: 12.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: private sector-9.

Government accreditor of product certifiers:

4.3 Same as 2.2.

Countries with product certification MOUs or MRAs:

Members of EAC.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Swedish Association for Quality
c/o Sveriges Mekanfrderbund
P.O. Box 5506
S-11484 Stockholm

Tel.: (46-8) 783-0171; Fax: (46-8) 660-3378

Number of facilities registered to ISO 9001 or 9002 or national equivalent: No response.

Number of registrars geographically located in Sweden: No response.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a government body.

Countries with quality registration MOUs or MRAs: Members of EAC.

Certifier of quality assessors:

5.3 None identified.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	:	:	Welders
C	:	:	Non-destructive testing technicians
D	9	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, B and C: Same as 2.2.

Environmental management systems

No response.

National accreditor of environmental management system registrars:

6.2 Same as 2.2.

This is a government body.

WTO Enquiry Point:

6.3.1

For regulations:
Kommerskollegium (National Board of Trade)

WTO Enquiry Point:

Box 1209
S-111 82 Stockholm

Tel.: (46-8) 791-0500; Fax: (46-8) 246739
E-mail: registry@kommers.se

6.3.2

For standards:
Same as 3.1.

A list of all mandatory standards is not available.
A list of all publicly available standards is available in Swedish and English.

Switzerland

BASIC DATA

Land area: 39 770 sq km; comparative area: slightly more than twice the size of New Jersey.

Population: 7 084 984; growth rate: 0.57%; labor force: 3.48 million; literacy: 99%, age 15 and over.

GDP: \$148.4 billion; real growth rate: 1.8%; national product per capita: \$22 080.

Exports: \$69.6 billion; machinery and equipment, precision instruments, metal products, foodstuffs, textiles and clothing. Partners: Western Europe-63.1%, (EU countries-56%, other-7.1%), US-8.8%, Japan-3.4%.

Imports: \$68.2 billion; agricultural products, machinery and transportation equipment, chemicals, textiles, construction materials. Partners: Western Europe-79.2%, (EU countries-72.3%, other-6.9%), US-6.4%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Other Fédéral de Métrologie
Lindenweg 50
CH-3084 Waben

Tel.: (41-31) 323-3111; Fax: (41-31) 323-3210
E-mail: postmaster@eam.ejpd.inet.ch

This is a government body.

Annual budget: \$18 million; portion of revenue from fees for services-30%; government subvention-70%.

Participates in: Member BIPM since 1875.

Accreditor:

2.2 Swiss Accreditation Service
Address same as 2.1

Tel.: (41-31) 323-3511; Fax: (41-31) 323-3510
E-mail: sasmaster@eam.djpd.inet.ch

This is a government body.

Number of accredited secondary calibration labs: No response.

Legal metrology administrator:

2.3 Same as 2.1.

This is a government body.

Participates in: Member OIML since 1955.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Swiss Association for Standardization
Mühlebachstrasse 54
CH-8008 Zurich

Tel.: (41-1) 254-5454; Fax: (41-1) 254-5474

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex.

Founded: 1919; staff-35.

Annual budget: \$10 million; portion of revenue from sales of publications and services-45%; private sector subscription-16%; government subvention-21%.

Number of standards published or approved by primary standards body: 5700.

Voluntary-100%.

Total number of publicly available standards: No response.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

This is a government body.

Participates in: ILAC, IAF. Regional: EAL.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Number of government accredited testing laboratories: 145.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: private sector-12.

Government accreditor of product certifiers:

4.3 Same as 2.2.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Swiss Association for the Promotion of Quality
Hauptgasse 33
CH-4603 Oeten

Tel.: (41-62) 205-4545; Fax: (41-62) 205-4555

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 21 274.

Number of registrars geographically located in Switzerland: 7.

Number of registrars accredited by the national accreditor: 7.

National accreditor of quality management system registrars:

5.2 Same as 2.2.

This is a government body.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: EAC.

Certifier of quality assessors:

5.3.1 Schweizerische Arbeitsgemeinschaft für Qualitätsförderung SAQ, Geschäftsstelle
Hauptgasse 33
4603 Olten

Tel.: (062) 205-4545; Fax: (062) 205-4555

5.3.2 Qualicon Personalzertifizierung AG
Industrie Neuhof 21
3422 Kirchberg

Tel.: (034) 448-3333; Fax: (034) 448-3331

These are private sector organizations.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	9	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A through D:
Same as 2.2.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 15.

Number of EMS registrars geographically located in Switzerland: 4.

Number of EMS registrars accredited by the national accreditor: 4.

National accreditor of environmental management system registrars:

6.2 Same as 2.2.

WTO Enquiry Point:

6.3.1 For regulations:
Bundesamt Für Aussenwirtschaft
Effinger Str. 1
CH-3003 Bern

Tel.: (41-31) 324-0758; Fax: (41-31) 324-0958

6.3.2 For standards:
Same as 3.1.

A list of all publicly available standards is available.

Taiwan

BASIC DATA

Land area: 32 260 sq km; comparative area: slightly larger than Maryland and Delaware combined.

Population: 21 500 583; growth rate: 0.93%; labor force: 7.9 million; literacy: 86%, age 15 and over.

GDP: \$257 billion; real growth rate: 6%; national product per capita: \$12 070.

Exports: \$93 billion; electrical machinery-19.7%, electronic products-19.6%, textiles-10.9%, footwear-3.3%, foodstuffs-1.0%, plywood and wood products-0.9%. Partners: US-27.6%, Hong Kong-21.7%, EU countries-15.2%, Japan-10.5%.

Imports: \$85.1 billion; machinery and equipment-15.7%, electronic products-15.6%, chemicals-9.8%, iron and steel-8.5%, crude oil-3.9%, foodstuffs-2.1%. Partners: Japan-30.1%, US-21.7%, EU countries-17.6%.

NATIONAL MSTQ COORDINATION

1.1 Bureau of Standards, Metrology and Inspection
4, sec. 1, Chinan Rd.
Taipei 100
Taiwan, R.O.C.
Tel: (886-2) 23431700; Fax: (886-2) 23560998
Website: <http://www.bsmi.gov.tw>

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Participates in: Regional: APMP.

Accreditor:

2.2 Same as 1.1.

Legal metrology administrator:

2.3 Same as 1.1.

Member: APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Founded: 1947 as the National Bureau of Standards, standards activities incorporated into BSMI in 1999

Annual budget: N/A

Number of standards published or approved by primary standards body: 13 000.

Voluntary-100%.

Number of other standards bodies: None.

Total number of publicly available standards: 13 000.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Chinese National Laboratory Accreditation Council
Address same as 1.1.

This is a government body.

Participates in: ILAC. Regional: APLAC.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of government accredited testing laboratories: 269; foreign-None.

Private sector accreditor of testing laboratories: 161.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

No. of facilities registered to ISO 9001 or 9002 or national equivalents: 10,000.

Countries with QMS MOUs: UK, U.S., Germany, Belgium, Singapore, Switzerland, Italy, Austria, France, and Canada.

No. of registrars geographically located in Taiwan: 25.

No. of registrars accredited by the national accreditor: 1.

National accreditor of quality management systems:
5.2 Chinese National Accreditation Board (CNAB)\
4 sec. 1, Chinan Rd.
Taipei 100
Taiwan, R.O.C.
Tel: (886-2) 23431963; Fax: (886-2) 23431962
Website: <http://www.moea.gov.tw/~cnab/index.html>

This is a government body.

Participate in: IAF, PAC, IATCA.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 600.

Number of EMS registrars geographically located in Taiwan: 11.

National accreditor of environmental management system registrars:

6.2 Same as 5.2.

WTO Enquiry Point:

6.3 Same as 1.1.

A list of all mandatory standards is available in Chinese and English.

A list of all publicly available standards is available in Chinese and English.

Tajik

BASIC DATA

Not Available.

NATIONAL MSTQ COORDINATION

- 1.1 THE TAJIK STATE CENTER FOR
STANDARDIZATION, METROLOGY AND
CERTIFICATION (TAJIKGOSSTANDART)
Tel. 33-7647; Fax: 33-7639

This is a government body.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

- 4.1 Same as 1.1.

Government accreditor(s) of testing laboratories:

- 4.2 TAJIKGOSSTANDART; LENINABAD CENTER
FOR STANDARDIZATION AND METROLOGY;
KHATLON CENTER FOR STANDARDIZATION
AND METROLOGY

Government accreditor(s) of product certifiers:

- 4.4 Same as 1.1.

Tanzania

BASIC DATA

Land area: 886 040 sq km; comparative area: slightly larger than twice the size of California.

Population: 28 701 077; growth rate: 2.55%; labor force: 732 200 million; literacy: 59%, age 15 and over.

GDP: \$21 billion; real growth rate: 3%; national product per capita: \$750.

Exports: \$462 billion; coffee, cotton, tobacco, tea, cashew nuts, sisal. Partners: Germany, UK, Japan, Netherlands, Kenya, Hong Kong, US.

Imports: \$1.4 billion; manufactured goods, machinery and transportation equipment, cotton piece goods, crude oil, foodstuffs. Partners: Germany, UK, US, Japan, Italy, Denmark.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Metrology Laboratory
Tanzania Bureau of Standards
P.O. Box 9524
Dar es Salaam

Tel.: (255-51) 43298; Fax: (255-51) 43298

This is a government body.

Accreditor: None.

Legal metrology administrator:

2.2 Weights and Measures Bureau
Ministry of Industries and Trade
P.O. Box 313
Dar es Salaam

Tel.: (255-51) 64046

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Tanzania Bureau of Standards
Address same as 2.1

Tel.: (255-51) 43298; Fax: (255-51) 43298

This is a government body.

Participates in: ISO, FAO/Codex. Regional: ARSO.

Founded: 1975; staff-135.

Annual budget: \$900 000; portion of revenue from sales of publications and services-0.4%; testing and certification-6.7%; government subvention-60%.

Number of standards published or approved by primary standards body: 500.

Voluntary 75%; mandatory 25%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Planning is underway.

National accreditor of quality management system registrars:

5.2 Planning is underway.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services: No response.

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars:

6.1 Planning is underway.

WTO Enquiry Point

6.2 The Principal Secretary
Ministry of Industries and Trade
P.O. Box 9503
Dar Es Salaam

Tel.: (255-051) 117222; Fax: (255-051) 46919

A list of all publicly available standards is available in English.

Thailand

BASIC DATA

Land area: 511 770 sq km; comparative area: slightly less than twice the size of Wyoming.

Population: 60 271 300; growth rate: 1.24%; labor force: 30.87 million; literacy: 93%, age 15 and over.

GDP: \$355.2 billion; real growth rate: 8%; national product per capita: \$5970.

Exports: \$46 billion; machinery and manufacturers-83%, agricultural products and fisheries-16%, others-1%.

Partners: US-22%, Japan-17%, Singapore-12%, Hong Kong-5%, Germany-4%.

Imports: \$52.6 billion; capital goods-44%, intermediate good and raw materials-37%, consumer goods-16%, other-3%. Partners: Japan-30%, US-12%, Singapore-6%, Germany-5%, Taiwan-5%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Department of Science Service
Ministry of Science, Technology and Environment
Rama VI Street
Bangkok 10400

Tel.: (66-2) 246-1387-95; Fax: (66-2) 245-5523

This is a government body.

Accreditor:

2.2 Thai Industrial Standards Institute
Ministry of Industry Rama VI Street
Bangkok 10400

Tel.: (66-2) 202-3491; Fax: (66-2) 246-4327
Website: <http://www.tisi.go.th>

This is a government body.

Number of accredited secondary calibration labs: 3.

Legal metrology administrator:

2.3 Department of Commercial Registration
Ministry of Commerce
Maharaj Road
Bangkok 10200

Tel. (66-2) 224-0031; Fax (66-2) 225-8493

This is a government body.

Participates Regional: Member of APLMF.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Thai Industrial Standards Institute
Same as 2.2.

Tel.: (66-2) 246-1991; Fax: (66-2) 247-8741

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: PASC, ACCSQ, APEC.

Founded 1968; staff-459.

Annual budget: \$15.25 million; government subvention-100%.

Number of standards published or approved by primary standards body: 1500.

Voluntary-97%; mandatory-3%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Thai Laboratory Accreditation Scheme
Same as 3.1.

This is a government body.

Participates in: ILAC. Regional: APLAC.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Number of government accredited testing laboratories: 5; foreign accredited-0.

Private sector accreditor of testing laboratories:

4.3 None identified.

Number of private sector accredited testing laboratories: 2.

Government accreditor of product certifiers: No response.

Private sector accreditor of product certifiers: No response.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 2.2.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 79.

Number of registrars geographically located in Thailand: Unknown.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

5.2 National Accreditation Council
Currently being established.

This is a government body.

Certifier of quality assessors:

5.3 Same as 5.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary		Mandatory
A	:	:
B	9	9
C	9	9
D	:	9
E	:	9
F	:	9
G	9	9
H	9	9

Third-party technical inspection organizations
Welders
Non-destructive testing technicians
Quality Assessor certification bodies
Quality Assessor training providers
Quality training providers
Quality consultants
Other

Responsible certifying organizations are:

6.1 A: None identified.

6.2: D, E and F: Same as 5.2.

Environmental management systems

National standards do not exist.

WTO Enquiry Point

6.2 Same as 3.1.

A list of all mandatory standards is available in English.
A list of all publicly available standards is not available in English.

Trinidad and Tobago

BASIC DATA

Land area: 5130 sq km; comparative area: slightly smaller than Delaware.

Population: 1 271 159; growth rate: 0.12%; labor force: 463 900; literacy: 97%, age 15 and over.

GDP: \$15 billion; real growth rate: 3%; national product per capita: \$11 280.

Exports: \$1.9 billion; petroleum and petroleum products, chemicals, steel products, fertilizer, sugar, cocoa, coffee, citrus, flowers. Partners: US-44%, CARICOM-15%, Latin America-9%, EC-5%.

Imports: \$996 billion; machinery, transportation equipment, manufactured goods, food, live animals. Partners: US-43%, Venezuela-10%, UK-8%, other EC-8%.

NATIONAL MSTQ COORDINATION

1.1 Trinidad and Tobago Bureau of Standards
#2 Century Drive
Trincity Industrial Estate
P.O. Box 467
Port of Spain

Tel. (1-809) 662-8827; Fax: (1-809) 663-4335
Website: ttbs@opus-networx.com

This is a parastatal organization.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

This is a parastatal organization.

Annual budget: Portion of revenue from fees for services-45%; government subvention-55%.

Participates in: CARIMET, SIM.

Accreditor:

2.2 National Laboratory Accreditation System
Currently being established.

Tel.: (1-809) 662-4481; Fax: (1-809) 663-4335
E-mail: ttbs@opus-networx.com

This is a government body.

Number of accredited secondary calibration labs: None.

Legal metrology administrator

2.3 Ministry of Consumer Affairs
No address provided.

Tel. (1-809) 623-8841

This is a government body.

Participates in: Member of OIML.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, ITU, FAO/Codex. Regional: COPANT.

Founded 1974; staff-100.

Annual budget: \$1.6 million; portion of revenue from sales of publications and services-1%; testing and certification-30%; government subvention-75%.

Number of standards published or approved by primary standards body: 400.

Voluntary-93%; mandatory-7%.

Number of other standards bodies: None.

Total number of publicly available standards: 400.

Identical to, technically equivalent, or based on international standards: 90%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

Participates in: ILAC.

Government accreditor of testing laboratories:

4.2 Same as 2.2.

Private-sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-1.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Countries with product certification MOUs or MRAs:
None.

Private-sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 17.
Number of registrars geographically located in Trinidad and Tobago: None.
Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

This is a government body.

Countries with quality registration MOUs or MRAs:
Planning is underway.
Foreign quality system registrars are not required to be registered/listed by the national accreditor.
Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Use foreign certifiers.

RELATED INFORMATION

Certification of MSTQ related services: No response.

WTO Enquiry Point

6.1 Same as 1.1.

Tel.: (1-809) 662-8827; Fax: (1-809) 633-4335
E-mail: ttbs@opus-networx.com

A list of all mandatory standards is available in English.
A list of all publicly available standards is available in English.

Tunisia

BASIC DATA

Land area: 163 610 sq km; comparative area: slightly larger than Georgia.

Population: 8 879 845; growth rate: 1.69%; labor force: 2.25 million; literacy: 57%, age 15 and over.

GDP: \$37.1 billion; real growth rate: 4.4%; national product per capita: \$4250.

Exports: \$4.6 billion; hydrocarbons, agricultural products, phosphates and chemicals. Partners: EU countries-75%, Middle East-10%, Algeria-2%, India-2%, US-1%.

Imports: \$6.5 billion; industrial goods and equipment-57%, hydrocarbons-13%, food-12%, consumer goods. Partners: EU countries-70%, US-5%, Middle East-2%, Japan-2%, Switzerland-1%, Algeria-1%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Institut National de la Normalisation et de la Propriété Industrielle
(National Standardization and Industrial Property Institute)
B.P. 23
1012 Tunis-Belvédère

Tel.: (216-1) 785922; Fax: (216-1) 781563

This is a government body.

Accreditor:

2.2 No response.

Legal metrology administrator:

2.3 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 2.1.

Participates in: ISO, ITU, FAO/Codex.

Founded 1982; staff-103.

Annual budget: \$2.5 million; portion of revenue from sales of publications and services-0.4%; testing and certification-17.2%; private sector subscription-2.9%; government subvention-43.8%.

Number of standards published or approved by primary standards body: 4000.

Voluntary-86%; mandatory-14%.

Number of other standards bodies: No response.

TESTING AND PRODUCT CERTIFICATION

4.1 No response.

QUALITY MANAGEMENT REGISTRATION

5.1 No response.

RELATED INFORMATION

Certification of MSTQ related services: No response.

Environmental Management systems

No response.

WTO Enquiry Point

6.1 Same as 2.1.

Turkey

BASIC DATA

Land area: 770 760 sq km; comparative area: slightly larger than Texas.

Population: 63 405 526; growth rate: 1.97%; labor force: 20.4 million; literacy: 79%, age 15 and over.

GDP: \$305.2 billion; real growth rate: -5%; national product per capita: \$4910.

Exports: \$15.3 billion; manufactured products-72%, foodstuffs-23%, mining products-4%. Partners: Germany-24%, Russia-7%, US-7%, UK-6%

Imports: \$27.6 billion; manufactured products-71%, fuels-14%, foodstuffs-6%. Partners: Germany-15%, US-11%, Italy-9%, Russia-8%.

NATIONAL MSTQ COORDINATION

1.1 National Council for Quality and Accreditation
Nacatibey Cad. No.112
06100 Bakanliklar
Ankara

Tel.: (90-312) 417-8330; Fax: (90-312) 425-4399

This is a council with balanced representation.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Metrology Institute
Ulusal Metroloji Enstitüsü
Tübitak Marmara Arastirma Merkezi
PK 21 41470 Gebze-Kocaeli

Tel.: (90-262) 646-6355; Fax: (90-262) 646-5914

This is a government body.

Accreditor:

2.2 Same as 1.1.

Number of accredited secondary calibration labs: 13.

Legal metrology administrator:

2.3 Ministry and Trade
General Directorate for Metrology and Standards
06100 Tandoğan

Tel.: (90-312) 229-4836; Fax: (90-312) 231-1694

This is a government body.

Participates in: Member OIML since 1931.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1.

This is a government body.

Participates in: ISO, IEC, ITU, FAO/Codex, ILAC, WPO.
Regional: CEN, CENELEC, EOQ.

Founded 1954; staff 1216.

Annual budget: \$41.25 million; portion of revenue from sales of publications and services-2%; testing and certification-80%; private sector subscription-13%; government subvention-0.25%.

Number of standards published or approved by primary standards body: 12 600.

Voluntary-92%; mandatory-8%.

Number of other standards bodies: None.

Total number of publicly available standards: 12 600.

Identical to, technically equivalent, or based on international standards: 85%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

This is a council with balanced representation.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories:

30; foreign accredited-3

Number of EU recognized Notified Bodies: 1.

Private-sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions-1; private sector-None.

Government accreditor of product certifiers:

4.3 Same as 1.1.

Countries with product certification MOUs or MRAs:

None.

Private-sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 349.

Number of registrars geographically located in Turkey: 1.

Number of registrars accredited by the national accreditor: 1.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Countries with quality registration MOUs or MRAs:

None.

Foreign quality system registrars are required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Same as 1.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	9	9	Quality Assessor certification bodies
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A: Same as 3.1.

6.2 B: Middle East Technical University (METU)
Ankora

6.3 C: National NDT Council

6.4 C: Same as 1.1.

Environmental management systems

National standards exist.

Number of facilities at which these standards are implemented: 4.

Number of EMS registrars geographically located in Turkey: 1.

Number of EMS registrars accredited by the national accreditor: 1.

National accreditor of environmental management system registrars:

6.5 Same as 1.1.

Participates in: ISO/TC 207.

WTO Enquiry Point

6.6 For regulations:

Prime Ministry

Undersecretariat for Foreign Trade

General directorate for Standardization for Foreign Trade

06510 Emek-Ankara

Tel.: (90-312) 212-5896; Fax: (90-312) 212-8768

A list of all mandatory standards is available in Turkish.

A list of all publicly available standards is available in Turkish.

Ukraine

BASIC DATA

Land area: 603 700 sq km; comparative area: slightly smaller than Texas.

Population: 51 867 828; growth rate: 0.04%; labor force: 23.55 million; literacy: 98%, age 15 and over.

GDP: \$189.2 billion; real growth rate: -19%; national product per capita: \$3650.

Exports: \$11.8 billion; coal, electric power, ferrous and nonferrous metals, chemicals, machinery and transport equipment, grain, meat. Partners: FSU countries, China, Italy, Switzerland.

Imports: \$14.2 billion; energy, machinery and parts, transportation equipment, chemicals, textiles. Partners: FSU countries, Germany, Poland Czech Republic.

NATIONAL MSTQ COORDINATION

1.1 State Committee of Ukraine for Standardization, Metrology and Certification (DSTU)
174, Gorkiy Street, 252650
GSP, Kyiv - 6

Tel.: (380-44) 226-2971; Fax: (380-44) 226-2970

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Annual budget: \$4.1 million; government subvention-100%.

Accreditor: None.

Legal metrology administrator:

2.2 Department of Metrology of DSTU
Address same as 1.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

Tel.: (380-44) 228-7307; Fax: (380-44) 226-2979

This is a government body.

Participates in: ISO, IEC.

Founded: 1991; staff-120; total number of committee members-142.

Annual budget: \$1.3 million; portion of revenue from sales of publications-2%; testing and certification-3%; government subvention-95%.

Number of standards published or approved by primary standards body: 1553.

Total number of publicly available standards: 21 553.

Identical to, technically equivalent, or based on international standards: 60%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of accredited product certifiers: government agencies and institutions-525.

Private sector accreditor of testing laboratories:

4.3 Planning is underway.

Government accreditor of product certifiers:

4.4 Same as 1.1.

Private sector accreditor of product certifiers:

4.5 Planning is underway.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Tel.: (38-044) 226-2971; Fax: (38-044) 226-2970

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 5.

Number of registrars geographically located in the Ukraine: 4.

Number of registrars accredited by the national accreditor: 4.

National accreditor of quality management system registrars:

5.2 Same as 1.1.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: EASC.

Certifier of quality assessors:

5.3 Same as 1.1.

Information Center:

6.2 Currently being established.

A list of all mandatory standards is available in Ukrainian and Russian.

A list of all publicly available standards is available in Ukrainian and Russian.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	:	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	:	Quality Assessor certifiers
E	9	:	Quality Assessor training providers
F	:	:	Quality training providers
G	:	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 A, D, E, F and G: DSTU.

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars: None.

Participates in: ISO/TC 207.

United Kingdom

BASIC DATA

Land area: 241 590 sq km; comparative area: slightly smaller than Oregon.

Population: 58 295 119; growth rate: 0.27%; labor force: 28.048 million; literacy: 99%, age 15 and over.

GDP: \$1.0452 trillion; real growth rate: 4.2%; national product per capita: \$17 980.

Exports: \$200 billion; manufactured goods, machinery fuels, chemicals, semifinished goods, transport equipment. Partners: EU countries-56.7% (Germany-14.0%, France-11.1%, Netherlands-7.9%), US-10.9%.

Imports: \$215 billion; manufactured goods, machinery, semifinished goods, foodstuffs, consumer goods. Partners: EU countries-51.7% (Germany-14.9%, France-9.3%, Netherlands-8.4%), US-11.6%.

NATIONAL MSTQ COORDINATION

1.1 Department of Trade and Industry
Standards and Technical Regulations Directorate
151, Buckingham Palace Road
London SW1W 955

Tel.: (44-171) 215-5000; Fax: (44-171) 215-2909

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 National Physical Laboratory
Queens Road
Teddington, Middlesex TW11 OLW

Tel.: (44-181) 943-6880; Fax: (44-181) 943-6458
Website: <http://www.npl.co.uk>

This is a government owned, contractor operated organization.

Annual budget: \$60 million; portion of revenue from fees for services-25%; government subvention-75%.

Participates in: Member BIPM since 1884. Regional: EUROMET.

Accreditor:

2.2 United Kingdom Accreditation Service
Queens Road
Teddington, Middlesex TW11 ONA

Tel.: (44-181) 943-6311; Fax: (44-181) 943-7134

This is a private sector organization.

Number of accredited secondary calibration labs: 570.

Legal metrology administrator:

2.3 National Weights and Measures Laboratory
Stanton Avenue
Teddington, Middlesex TW11 OJZ

Tel.: (44-181) 943-7272; Fax: (44-181) 943-7270
Website: <http://www.dti.gov.uk/nwml>

This is a government body.

Participates in: Member OIML since 1963.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 British Standards Institution
389 Chiswick High Road
London W4 4AL

Tel.: (44-181) 996-9000; Fax: (44-181) 996-7400

This is an independent, non-profit institution, incorporated by Royal Charter and officially recognized by government.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC, ETSI.

Founded: 1901; total number of committee members-25 000.

Annual budget: \$225 million; portion of revenue from sales of publications and services-25%; testing and certification-12%; quality assurance-50%; private sector subscription-6%; government subvention-7%.

Number of standards published or approved by primary standards body: 13 700.

Voluntary-100%.

Total number of publicly available standards: No response.

Identical to, technically equivalent, or based on international standards: 62%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 2.2.

Tel.: (44-181) 943-7140; Fax: (44-181) 943-7134

This is a private sector organization.

Participates in: ILAC. Regional: EAL.

Government accreditor of testing laboratories: None.

Number of EU recognized Notified Bodies: No response.

Private sector accreditor of testing laboratories:

4.2 Same as 2.2.

Number of accredited testing labs: No response.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers:

4.3 National Accreditation of Certification Bodies
Audley House, 13 Palace Street
London SW1E 5HS

Tel.: (44-171) 233-7111; Fax: (44-171) 233-5115

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 The Institute of Quality Assurance
10 Grosvenor Gardens
London SW1 ODQ

Tel.: (44-171) 730-7154; Fax: (44-171) 824-8030

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 50 000.

Number of registrars geographically located in the United Kingdom: Unknown.

Number of registrars accredited by the national accreditor: 55.

National accreditor of quality management system registrars:

5.2 Same as 4.5.

Certifier of quality assessors:

5.3 International Register of Certified Auditors
Address same as 5.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers

Responsible certifying organizations are:

6.1 A, D and E: Same as 2.2.

6.2 B: Personnel Certification in Non-Destructive Testing (PCN)
1 Spencer Parade
Northampton NN1 5AA

Tel.: (44-160) 430124; Fax: (44-160) 423-1489

6.3 C: Same as 6.2.

Environmental management system

National standards exist.

Number of facilities at which these standards are implemented: 350.

Number of EMS registrars geographically located in the United Kingdom: 15.

Number of EMS registrars accredited by the national accreditor: 17 (15 in the UK, 2 overseas).

National accreditor of environmental management system registrars:

6.4 Same as 4.5.

This is a private sector organization.

Participates in: ISO/TC 207. Regional: EAC, IAF.

WTO Enquiry Point:

6.5 For certification systems and government standards:

WTO-TBT Enquiry Point
International Trade Policy Division
Department of Trade and Industry
Bay 360
Kingsgate House
66-74 Victoria Street
London SW1E 6SW

Tel.: (44-171) 215-4511; Fax: (44-171) 215-4512

6.6 For nongovernmental standards:

BSI Information Centre
Address same as 3.1

Tel.: (44-181) 996-7111; Fax: (44-181) 996-7048

United States

BASIC DATA

Land area: 9 166 600 sq km; comparative area: about two and one-half times the size of Western Europe.

Population: 263 814 032; growth rate: 1.02%; labor force: 131.056 million; literacy: 97%, age 15 and over.

GDP: \$6.7384 trillion; real growth rate: 4.1%; national product per capita: \$25 850.

Exports: \$513 billion; capital goods, automobiles, industrial supplies and raw materials, consumer goods, agricultural products. Partners: Western Europe-24.3%, Canada-22.1%, Japan-10.5%.

Imports: \$664 billion; crude oil and refined petroleum products, machinery, automobiles, consumer goods, industrial raw materials, food and beverages. Partners: Canada-19.3%, Western Europe-18.1%, Japan-18.1%.

NATIONAL MSTQ COORDINATION

- 1.1 Does not exist.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 National Institute of Standards and Technology
Calibration Program
Building 820, Room 236
Gaithersburg, Maryland 20899-0001

Tel.: (1-301) 975-2002; Fax: (1-301) 869-3548
E-mail: calibrations@enh.nist.gov

This is a government body.

Annual budget: \$7.7 million; portion of revenue from fees for services-99%; government subvention-1%.

Participates in: Member BIPM since 1875.
Regional: NORAMET, SIM.

Accreditors:

- 2.2 National Voluntary Laboratory Accreditation
Program
Office of Standards Services
National Institute of Standards and Technology
Building 820, Room 282
Gaithersburg, Maryland 20899-0001

Tel.: (1-301) 975-4016; Fax: (1-301) 926-2884
E-mail: NVLAP@nist.gov
Website: <http://ts.nist.gov/ts/htdocs/210/214/214.htm>

This is a government body.

Participates in: ILAC, APLAC, NACC; Signatory to APLAC MRA.

Number of accredited secondary calibration labs: 11.

- 2.3 American Association for Laboratory Accreditation
656 Quince Orchard Road
Gaithersburg, Maryland 20878
Will move to Frederick, MD on 7/1/98.

Tel.: (1-301) 670-1377; Fax: (1-301) 869-1495
E-mail: info@a2la.org
Website: <http://www.a2la.org>

This is a private sector organization.

Participates in: ILAC, APLAC, IAAC; Signatory to APLAC MRA.

Number of accredited secondary calibration labs: 15.

Legal metrology: International

- 2.4 Office of Standards Services/Technical Standards
Activities Program
National Institute of Standards and Technology
Building 820, Room 161
Gaithersburg, Maryland 20899-0001

Tel.: (1-301) 975-2024; Fax: (1-301) 963-1559
E-mail: Schappell@nist.gov
Website: <http://ts.nist.gov/ts/htdocs/210/215.215.htm>

This is a government body.

Participates in: Member OIML since 1972. Regional: APLMF.

Legal metrology: National

- 2.5 Office of Weights and Measures
National Institute of Standards and Technology
Building 820, Room 223
Gaithersburg, Maryland 20899-0001

Tel.: (1-301) 975-4004; Fax: (1-301) 926-0647
E-mail: owm@nist.gov
Website: <http://www.nist.gov/owm>

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 American National Standards Institute
11 West 42nd Street
13th floor
New York, New York 10036

Tel.: (1-212) 642-4900; Fax: (1-212) 398-0023
E-mail: info@ansi.org
Website: <http://www.ansi.org>

This is a private sector organization.

Participates in: ISO, IEC, ITU, FAO/Codex. Regional: PASC, COPANT, NAFTA, APEC/SCSC.

Founded: 1918; staff-106.

Annual budget: \$30 million; portion of revenue from sales of publications and services-34%; accreditation-4%; private sector subscription-43%.

Number of standards published or approved by primary standards body: 11 500.

Voluntary-100%.

Number of other standards bodies: national government-80; private sector-620.

Total number of publicly available standards: 93 000. NIST SP 806, 1996 Edition, presents information on the estimated 620 private sector and 80 Federal Government standards developers.

More than 50% of ISO and IEC standards have been adopted or are implemented directly.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 National Cooperation for Laboratory Accreditation (NACLA)
Address: Same as 2.2.

Government accreditors of testing laboratories:

- 4.2 31 federal government laboratory accreditation programs are described in NIST SP 808, and 31 state government programs are described in NIST SP 815.

Private sector accreditors of testing laboratories:

- 4.3 48 private sector laboratory accreditation programs are described in NIST SP 831.

Government accreditors of product certifiers:

- 4.4 13 Federal Government programs, which accredit product certifiers, are described in NIST SP 739.

Private sector accreditors of product certifiers:

- 4.5 Approximately 20 organizations have been identified, which conduct some type of accreditation/designation program. NIST SP 903 presents information on 178 private sector product certification activities.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

- 5.1 American Society for Quality Control
611 E. Wisconsin Avenue
P.O. Box 3005
Milwaukee, Wisconsin 53201-3005

Tel.: (1-414) 272-8575; Fax: (1-414) 272-1734
Website: <http://www.asq.org>

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 10 750.

Number of registrars geographically located in the United States : 78.

Number of registrars accredited by the national accreditor: 39.

National accreditor of quality management system registrars:

- 5.2 ANSI/RAB U.S. National Accreditation Program

- 5.2.1 See 3.1.

- 5.2.2 Registrar Accreditation Board
P.O. Box 3005
Milwaukee, Wisconsin 53201

Tel.: (1-414) 272-8575; Fax: (1-414) 765-8661
E-mail: jjacobsen@asqc.org
Website: <http://www.rabnet.com>

This is a private sector organization.

Countries with quality registration MOUs: Netherlands, Japan and Canada.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176 and IAF.

Certifier of quality assessors:

5.3 Same as 5.2.2.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	9	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 D: Certification
Same as 5.2.2.

6.2 E: Accreditation
Same as 5.2.2.

Environmental management systems

National standards exist.

Number of EMS registrars geographically located in the United States: Unknown.

Number of EMS registrars accredited by the national accreditor: 5; More in process.

National accreditor of environmental management system registrars:

6.3 Same as 5.2.

This is a private sector organization.

Participates in: ISO/TC 207.

WTO Enquiry Point:

6.4 National Center for Standards and Certification Information
Office of Standards Services
National Institute of Standards and Technology
Building 820, Room 164
Gaithersburg, Maryland 20899

Tel.: (1-301) 975-4040; Fax: (1-301) 926-1559

E-mail: joverman@nist.gov

Mandatory standards are contained within the U.S. Code of Federal Regulations under the appropriate Federal regulatory agency and/or subject/product category in the Index. Bibliographic indexes containing most U.S. publicly available standards are available commercially from Global Engineering Documents (hard copy), Information Handling Services (CD-ROM), and ILI Infodisk Inc. (CD-ROM). Most U.S. standards developing organizations can provide listings of their respective standards.

Uruguay

BASIC DATA

Land area: 173 620 sq km; comparative area: slightly smaller than Washington State.

Population: 3 222 716; growth rate: 0.74%; labor force: 1.355 million; literacy: 96%, age 15 and over.

GDP: \$23 billion; real growth rate: 4%; national product per capita: \$7200.

Exports: \$1.78 billion; wool and textile manufactures, beef and other animal products, leather, rice. Partners: Brazil, Argentina, US, China, Italy.

Imports: \$2.461 billion; machinery and equipment, vehicles, chemicals, minerals, plastics. Partners: Brazil, Argentina, US, Nigeria.

NATIONAL MSTQ COORDINATION

- 1.1 Does not exist.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

- 2.1 Sector de Metrología
Laboratorio Tecnológico del Uruguay
Av. Italia, 6201
Montevideo

Tel.: (598-2) 613724; Fax: (598-2) 618554

This is a private sector organization.

Participates in: Regional: SIM.

Accreditor:

- 2.2 Currently being established.

Legal metrology administrator:

- 2.3 Direccion Nacional de Metrologia Legal
Ministerio de Industria, Energia y Minería
Buenos Aires 495
Montevideo

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

- 3.1 Instituto Uruguayo de Normas Técnicas
San José 1031 P.7
Galeria Elysée
Montevideo

Tel.: (598-2) 912048; Fax: (598-2) 921681

This is a private sector organization.

Participates in: ISO. Regional: COPANT, CMN.

Founded: 1939; staff-28; total number of committee members-300.

Annual budget: \$850 000; portion of revenue from sales of publications and services-4%; testing and certification-38%; private sector subscription-19%; government subvention-3%, training-35%.

Number of standards published or approved by primary standards body: 1200.

Voluntary-90%; mandatory-10%.

Total number of publicly available standards: 1200.

Identical to, technically equivalent, or based on international standards: 20%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

- 4.1 Currently being established.

Government accreditor of testing laboratories:

- 4.2 Currently being established.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

- 4.3 Does not exist.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 National Quality Committee

Tel.: (598-2) 980866; Fax: (598-2) 980874

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 9.

Number of registrars geographically located in Uruguay: 2.

National accreditor of quality management system registrars:

5.2 Currently being established.

Certifier of quality assessors:

5.3 Currently being established.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 D, E and F: Same as 3.1.

Environmental management system

National standards are being studied.

WTO Enquiry Point:

6.2 Planning is underway.

A list of all publicly available standards is available in Spanish.

Venezuela

BASIC DATA

Land area: 882 050 sq km; comparative area: slightly less than three-tenths the size of the US.

Population: 21 004 773; growth rate: 2.1%; labor force: 7.6 million; literacy: 90%, age 15 and over.

GDP: \$178.3 billion; real growth rate: -3.3%; national product per capita: \$8670.

Exports: \$15.2 billion; petroleum-72%, bauxite and aluminum, steel, chemicals, agricultural products, basic manufactures. Partners: US and Puerto Rico-55%, Japan, Netherlands, Italy.

Imports: \$7.6 billion; raw materials, machinery and equipment, transport equipment, construction materials. Partners: US-40%, Germany, Japan, Netherlands, Canada.

NATIONAL MSTQ COORDINATION

1.1 Servicio Autonomo Direccion de Normalizacion y Certificacion de Calidad

Avda. André Bello-Edf.
Torre Fondo Común
Caracas 1050

Tel.: (58-2) 527019; Fax: (58-2) 527224

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Servicio Autónomo Nacional de Metrología
Av. Francisco Javier Ustariz
Ed. Parque Residencial Bernardino
Caracas

Tel.: (58-2) 521176; Fax: (58-2) 527224

This is a government body.

Participates in: Regional: SIM.

Accreditor:

2.2 Same as 1.1.

Legal metrology administrator:

2.3 Same as 2.1.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards bodies:

3.1 Comisión Venezolana de Normas Industriales
Avda. Andrés Bello-Edf.

Torre Fondo Común
Piso 12
Caracas 1050

3.2 Fondo para la Normalización y Certificación de la Calidad

Avda. Andrés Bello-Edf.
Torre Fondo Común
Piso 11
Caracas 1050

Tel.: (58-2) 575-2298; Fax: (58-2) 574-1312
E-mail: covenin@dino.conicit.ve

This is a private sector organization.

Participates in: ISO. Regional: COPANT.

Founded: 1973; staff-66; total number of committee members-5000.

Annual budget: \$925 000; portion of revenue from sales of publications and services-8%; testing and certification-68%; private sector subscription-3%; other activities-21%.

Number of standards published or approved by primary standards body: 3241.

Voluntary-92%; mandatory-8%.

Total number of publicly available standards: 3241.

Identical to, technically equivalent, or based on international standards: 5%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Tel.: (58-2) 575-4111; Fax: (58-2) 575-4498
E-mail: covenin@dino.conicit.

Government accreditor of testing laboratories:

4.2 Same as 4.1.

Private sector accreditor of testing laboratories: None.

Government accreditor of product certifiers:

4.3 Same as 4.1.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 3.2.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 92.

Number of registrars geographically located in Venezuela: None.

Number of registrars accredited by the national accreditor: None.

National accreditor of quality management system registrars:

5.2 Same as 4.1.

Countries with quality registration MOUs or MRAs:

Colombia.

Foreign quality system registrars are required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176.

Certifier of quality assessors:

5.3 Same as 4.1.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	9	9	Third-party technical inspection organizations
B	9	9	Welders
C	9	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	9	9	Quality consultants
H	9	9	Other

Responsible certifying organizations are:

6.1 D, E and F: Same as 3.2.

Environmental management systems

National standards do not exist.

WTO Enquiry Point:

6.2 Currently being established.

Zambia

BASIC DATA

Land area: 740 720 sq km; comparative area: slightly larger than Texas.

Population: 9 445 723; growth rate: 4%; labor force: 3.4 million; literacy: 73%, age 15 and over.

GDP: \$7.9 billion; real growth rate: 7.9%; national product per capita: \$860.

Exports: \$1.01 billion; copper, zinc, cobalt, lead, tobacco. Partners: EU countries, Japan, South Africa, US, India.

Imports: \$1.13 billion; machinery, transportation equipment, foodstuffs, fuels, manufacturers. Partners: EU countries, Japan, Saudi Arabia, South Africa, US.

NATIONAL MSTQ COORDINATION

1.1 Zambia Bureau of Standards
P.O. Box 50259
Lusaka

Tel.: (260-1) 291038
E-mail: zabs@zamnet.zm

This is a government body.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 Same as 1.1.

Accreditor:

2.2 Same as 1.1.

Legal metrology administrator:

2.3 Ministry of Commerce
Assize Department
Weights and Measures Office
P.O. Box 30 989
Lusaka

Tel.: (260-1) 236062

This is a government body.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Same as 1.1.

This is a government body.

Participates in: FAO/Codex. Regional: ARSO.

Founded: 1982; staff-28; total number of committee members-30.

Annual budget: \$1 million; portion of revenue from sales of publications and services-2%; private sector subscription-1%; government subvention-97%.

Number of standards published or approved by primary standards body: 200.

Voluntary-100%.

Number of other standards bodies: national government-None.

Total number of publicly available standards: 200.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 1.1.

Government accreditor of testing laboratories:

4.2 Same as 1.1.

Number of government accredited testing laboratories: 3.

Private sector accreditor of testing laboratories: None.

Number of accredited product certifiers: government agencies and institutions: 2.

Government accreditor of product certifiers: None.

Private sector accreditor of product certifiers: None.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 1.1.

Number of facilities registered to ISO 9001 or 9002 or national equivalent: 3.

Number of registrars geographically located in Zambia: None.

National accreditor of quality management system registrars: None.

Foreign quality system registrars are not required to be registered/listed by the national accreditor.

Certifier of quality assessors: None.

RELATED INFORMATION

Certification of MSTQ related services are listed here:

Voluntary Mandatory

A	:	9	Third-party technical inspection organizations
B	:	9	Welders
C	:	9	Non-destructive testing technicians
D	:	9	Quality Assessor certifiers
E	:	9	Quality Assessor training providers
F	:	9	Quality training providers
G	:	9	Quality consultants

Responsible certifying organizations are:

6.1 A through G: Same as 1.1.

Environmental management systems

National standards do not exist.

National accreditor of environmental management system registrars: None.

WTO Enquiry Point:

6.2 Director of Trade
Ministry of Commerce, Trade and Industry
P.O. Box 31968
Lusaka

Tel.: (260-1) 228301/9; Fax: (260-1) 226673
E-mail: zabs@zamnet.zm

A list of all mandatory standards is not available.

A list of all publicly available standards is not available.

Zimbabwe

BASIC DATA

Land area: 386 670 sq km; comparative area: slightly larger than Montana.

Population: 11 139 961; growth rate: 1.78%; labor force: 3.1 million; literacy: 78%, age 15 and over.

GDP: \$17.4 billion; real growth rate: 3.5%; national product per capita: \$1580.

Exports: \$1.8 billion; agricultural-35% (tobacco-30%, other-5%), manufactures-25%, gold-12%, ferrochrome-10%, textiles-8%. Partners: UK-14%, Germany-11%, South Africa-10%, Japan-7%, US-5%.

Imports: \$1.8 billion; machinery and transportation equipment-41%, other manufactures-23%, chemicals-16%, fuels-12%. Partners: South Africa-25%, UK-15%, Germany-9%, US-6%, Japan-5%.

NATIONAL MSTQ COORDINATION

1.1 None identified.

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator:

2.1 No response.

Legal metrology administrator:

2.3 No response.

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Standards Association of Zimbabwe
P.O. Box 2259
Harare

Tel.: (263-4) 882017; Fax: (263-4) 882020

This is a private sector organization.

Participates in: ISO, ITU, FAO/Codex. Regional: ARSO.

Founded: 1957; staff-84.

Annual budget: portion of revenue from sales of publications and services-1%; testing and certification-17%; government subvention-75%.

Number of standards published or approved by primary standards body: 400.

Voluntary-99.6%; mandatory-0.4%.

Number of other standards bodies: None.

Total number of publicly available standards: 400.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1 Same as 3.1.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1 Same as 3.1.

National accreditor of quality management system registrars:

5.2 No response.

RELATED INFORMATION

Certification of MSTQ related services:

No response.

Environmental management systems

No response.

WTO Enquiry Point:

6.2 Same as 3.1.

A list of all publicly available standards is available in English.

**APPENDIX I
FORMAT OF ENTRIES**

1. NATIONAL MSTQ COORDINATING BODY

1.1

Phone: _____ Fax: _____ E-mail/Website: _____
This is a 9 government body, 9 private sector organization, 9 other: _____

2. METROLOGY AND CALIBRATION SERVICES

Primary metrology laboratory or national coordinator:

2.1

Phone: _____ Fax: _____ E-mail/Website: _____
This is a 9 government body, 9 private sector organization, 9 other: _____

Annual budget \$ _____ million. Portion of revenue from fees for services ____%;
government subvention ____%.

Participates in: Member BIPM since _____. Regional affiliations: _____

Accreditor of calibration laboratories:

2.2

Phone: _____ Fax: _____ E-mail/Website: _____
This is a 9 government body, 9 private sector organization, 9 other: _____

Number of accredited secondary calibration labs: _____

Legal metrology administrator:

2.3

Phone: _____ Fax: _____ E-mail/Website: _____
This is a 9 government body, 9 private sector organization, 9 other: _____

Participates in: Member OIML since _____.

3. STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1

Phone: _____ Fax: _____ E-mail/Website: _____

This is a 9 government body, 9 private body officially recognized by government, 9 private sector organization, 9 other: _____

Annual budget \$ ___million. Portion of revenue from sales of publications ___%; certification and testing ___%; private sector subscription ___%; government subvention ___%

Founded ___; staff ___; total number of committee members _____

Number of standards published or approved by primary standards body: _____.

Voluntary ___%; mandatory ___%.

Number of other standards bodies: national government _____; private sector _____

Total number of publicly available standards: _____

Identical to, technically equivalent, or based on international standards: ___%

Participates in: 9 ISO, 9 IEC, 9 ITU, 9 FAO/Codex, Other international: _____.

Regional: _____.

4. TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation:

4.1

Phone: _____ Fax: _____ E-mail/Website: _____

This is a 9 government body, 9 private sector organization, 9 other: _____

Participates in: International: _____ Regional: _____

Government accreditor(s) of testing laboratories:

4.2

Phone: _____ Fax: _____ E-mail/Website: _____

Number of government accredited testing laboratories: _____; foreign accredited _____.

Number of EU recognized Notified Bodies: _____

Private-sector accreditor(s) of testing laboratories:

4.3

Phone: _____ Fax: _____ E-mail/Website: _____

Number of private-sector accredited testing laboratories: _____

Number of accredited product certifiers: government agencies and institutions _____;
private sector _____

Government accreditor(s) of product certifiers:

4.4

Phone: _____ Fax: _____ E-mail/Website: _____

Countries with product certification MOUs or MRAs: _____

Private-sector accreditor(s) of product certifiers:

4.5

Phone: _____ Fax: _____ E-mail/Website: _____

5. QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation:

5.1

Phone: _____ Fax: _____ E-mail/Website: _____

Number of facilities registered to ISO 9001 or 9002, or national equivalents: _____

Number of quality registrars geographically located in your country: _____

Number of quality registrars accredited by the national accreditor: _____

National accreditor of quality management system registrars:

5.2

Phone: _____ Fax: _____ E-mail/Website: _____

This is a **9** government body, **9** private sector organization, **9** other: _____

Countries with quality registration MOUs or MRAs: _____

Foreign quality system registrars are are not required to be registered/listed by the national accreditor.

Participates in: ISO/TC 176. Regional: _____.

Certifier of quality assessors:

5.3

Phone: _____ Fax: _____ E-mail/Website: _____

This is a government body, private sector organization, other: _____

6. RELATED INFORMATION

Accreditation/Certification of MSTQ related services:

	Voluntary	Mandatory	
A	<input type="checkbox"/>	<input type="checkbox"/>	Third-party technical inspection organizations
B	<input type="checkbox"/>	<input type="checkbox"/>	Welders
C	<input type="checkbox"/>	<input type="checkbox"/>	Non-destructive testing technicians
D	<input type="checkbox"/>	<input type="checkbox"/>	Quality Assessor certification bodies
E	<input type="checkbox"/>	<input type="checkbox"/>	Quality Assessor training providers
F	<input type="checkbox"/>	<input type="checkbox"/>	Quality training providers
G	<input type="checkbox"/>	<input type="checkbox"/>	Quality consultants
H	<input type="checkbox"/>	<input type="checkbox"/>	Other: _____

Responsible accrediting/certifying organizations are:

6.1 A 6.5 E

6.2 B 6.6 F

6.3 C 6.7 G

6.4 D 6.8 H

If necessary, attach additional pages.

Environmental management systems

National standards exist, do not exist

Number of facilities at which these standards are implemented: _____.
Number of EMS registrars geographically located in your country: _____.
Number of EMS registrars accredited by the national accreditor: _____

National accreditor of environmental management system registrars:

6.9

Phone: _____ Fax: _____ E-mail/Website: _____

This is a government body, private sector organization, other: _____

Participates in: ISO/TC 207. Regional: _____

WTO Enquiry Point(s):

6.10

Phone: _____ Fax: _____ E-mail/Website: _____

A list of all mandatory standards is available yes, no in the following language(s): _____

A list of all publicly available standards is available yes, no in the following language(s): _____

APPENDIX II

LIST OF ACRONYMS AND INITIALS

ACCSQ	ASEAN Consultative Committee for Standardization and Quality
AFNOR	Association Française de Normalisation
AIDMO	Arab Organization for Industrial Development and Mines
APEC	Asia Pacific Economic Cooperation
APEC/SCSC	APEC Subcommittee on Standards and Conformance
APLAC	Asia-Pacific Laboratory Accreditation Cooperation
APLMF	Asia-Pacific Legal Metrology Forum
APMP	Asia-Pacific Metrology Program
ARSO	African Regional Organization for Standardization
ASEAN	Association of South East Asian Nations
BIPM	Bureau International des Poids et Mesures
CARICOM	Caribbean Community and Common Market
CARIMET	Caribbean Metrology Program
CASCO	ISO Council Committee on Conformity Assessment
CCSQ	Cooperative Council on Standards and Quality
CEN	European Committee for Standardization
CENELEC	European Committee for Electrotechnical Standardization
CIS	Commonwealth of Independent States
CMEA	Council for Mutual Economic Assistance
CMN	Mercosur Standardization Committee
COOMET	Cooperative Organization on Metrology
COPANT	Comisión Panamericana de Normas Técnicas
DIN	Deutsches Institut für Normung
EAC	European Accreditation Cooperation
EAL	European Cooperation for Accreditation Laboratories
EFTA	European Free Trade Association
EMAS	European Eco-Management and Audit Scheme
EMS	Environmental Management Systems
EN	European Norms
EOQ	European Organization for Quality
EOTC	European Organization for Testing and Certification
ETSI	European Telecommunications Standards Institute
EU	European Union
EUROMET	European Metrology Program
FAO/CODEX	Food and Agricultural Organization/Codex Alimentarius Commission
FSU	Former Soviet Union
FTAA	Free Trade Area of the Americas
GDP	Gross Domestic Product
IAF	International Accreditation Forum

IATCA	International Auditor and Training Certification Association
IEC	International Electrotechnical Commission
IECEE/CB	IEC System for Conformity Testing to Standards for Safety of Electrical Equipment, Certification Bodies Scheme
ILAC	International Laboratory Accreditation Cooperation
IMEKO	International Measurement Confederation
ISO	International Organization for Standardization
ITU	International Telecommunications Union
JISC	Japanese Industrial Standards Committee
JUNAC	Junta Andina Comisión
MERCOSUR	Mercado Comun del Cono Sur
MOU	Memorandum of Understanding
MRA	Mutual Recognition Agreement
MSTQ	Metrology, Standardization, Testing, and Quality
NAFTA	North American Free Trade Agreement
NIST SP	National Institute of Standards and Technology Special Publication
NORAMET	North American Metrology Program
OIML	Organisation International de Métrologie Légale
OPEC	Organization of Petroleum Exporting Countries
PAC	Pacific Accreditation Cooperation
PASC	Pacific Area Standards Congress
QMS	Quality Management Systems
QSAR	Quality Systems Assessment Recognition (ISO/IEC)
SIM	Sistema Interamericano de Metrologia
TBT	Technical Barriers to Trade
WELMEC	European Cooperation in Legal Metrology
WPO	World Packaging Organization
WTO	World Trade Organization