

Present Status of Conformity Assessment System in Bangladesh

Presentation by
Sudhakar Datta, Director, Bangladesh Accreditation Board
&
Kamal Prashad Das, Director, Certification Mark Wing, BSTI
Bangladesh

About Bangladesh

- Official Name: People's Republic of Bangladesh
- Majority of Population: Muslim
- Total area: 147,570 sq.km.
- Population: 150,039,000 (approx.)



Present status of Conformity Assessment System in Bangladesh

About Bangladesh

Major Tourists' Attractions (1/3)

- Beaches
- Archaeological Sites
- Religious Places
- Historical Places
- Hills & Islands
- Forest & Jungle
- Others

www.parjatan.gov.bd

Present status of Conformity Assessment System in Bangladesh

3

Major Tourists' Attractions (2/3)

- **Cox's Bazar:** The longest unbroken sea beach in the world



- **St. Martin's Island:** Only coral island in Bangladesh



Present status of Conformity Assessment System in Bangladesh

4

Major Tourists' Attractions (3/3)

- The Sundarbans:

The largest single block of tidal halophytic mangrove forest in the world. Famous for **Royal Bengal Tigers**



- Others:



National Parliament in Dhaka



Sixty Dome Mosque in Bagherhat



Ahsan Palace in Dhaka



Buddhist Temple in Bandarban



Golden Temple in Rangamati



Lalbag Fort in Dhaka



Oldest church in Bangladesh



National Martyrs' Memorial

Present status of Conformity Assessment System in Bangladesh

5

Conformity Assessment in Bangladesh

The main forms of conformity assessment are:

- Certification
- Inspection
- Testing

Present status of Conformity Assessment System in Bangladesh

6

Certification (1/3)

Product Certification:

- Certification Mark Wing of Bangladesh Standards and Testing Institute (BSTI)
- Accredited by NABCB, India
- Other product certifications: CE marking (statistics unknown)



Present status of Conformity Assessment System in Bangladesh

7

Certification (2/3)

Management System Certification:

- There are 18 certification bodies
- Management System Certification (MSC) Cell in BSTI is the government certification body
- MSC Cell in BSTI is accredited by NA since June 2009
- MSC Cell in BSTI issued 18 certificates (ISO 9001, ISO 14001 and ISO 22000)

Present status of Conformity Assessment System in Bangladesh

8

Certification (3/3)

- Statistics of System Certification (Approx.)

| Standard | Field | No. of certificates |
|-------------|--|---------------------|
| ISO 9001 | Quality Management System | 1200 |
| ISO 14001 | Environmental Management System | 50 |
| OHSAS 18001 | Occupational Health & Safety | 20 |
| ISO 22000 | Food Safety Management System | 30 |
| ISO 27001 | Information Security Management System | 5 |
| ISO 20000 | IT Service Management System | 1 (under process) |
| SA 8000 | Social Accountability | 5 |
| BRC | British Retail Consortium | 50 |
| HACCP | Hazard Analysis & Critical Control Point | 50 |

Present status of Conformity Assessment System in Bangladesh

9

Inspection

- Pre-shipment Inspection (PSI): the **mandatory** programme for all exports to Bangladesh, except those identified as exempt, prohibited or restricted **ceased** on the 30th June 2013.



Present status of Conformity Assessment System in Bangladesh

10

Major Inspection activities

- Building safety and fire safety inspection as per international / national standards/ buyer specifications
- Factory inspection, environmental inspection, etc
- Lifting gear and other industrial inspections
- Verification of packing / shipping marks, product marks, etc
- HS customs coding verification
- Verification of contractual quantity and quality specifications
- bulk agricultural commodity cargo inspection and testing

Present status of Conformity Assessment System in Bangladesh

11

Inspection

- Inspection Service Providers
- Government:
 - Bangladesh Customs Authority
 - Concerned Ministries, Boiler Inspection (under MoI)
 - FIQC , etc
- Private:
 - Bureau Veritas
 - SGS
 - Intertek, etc

Present status of Conformity Assessment System in Bangladesh

12

Conformity Assessment in Bangladesh

Conformity Assessment Bodies-

- Government:**
1. Bangladesh Accreditation Board,(BAB)
 2. Bangladesh Standards & Testing Institute (BSTI)
 3. BTCL
 4. BTRC
 5. Energy Regulatory Commission
 6. WASA

Present status of Conformity Assessment System in Bangladesh

13

Conformity Assessment in Bangladesh

7. Drug Administration Authority
8. Training Institute for Chemical Industries (BCIC)
9. BCSIR
10. FIQC
11. Bangladesh Atomic Energy Commission
12. Central Drug Testing Laboratory
13. Engineering and other universities
14. Department of Public Health Engineering (DPHE) , etc.

Present status of Conformity Assessment System in Bangladesh

14

Conformity Assessment in Bangladesh

Non-Government & Private:

Multi-National:

1. SGS
2. Bureau Veritas
3. TUV Rheinland
4. TUV SUD
5. Intertek ; etc.

Private:

1. BGMC lab
2. Pharmaceutical Industries In-house labs

Present status of Conformity Assessment System in
Bangladesh

15

About Bangladesh Accreditation Board (BAB)

- BAB is a legal entity established by the Bangladesh Accreditation Act, 2006.
- First starts working in 2011.
- Accreditation granted to seven laboratories so far.
- Applications of more 07 laboratories are in process.

Present status of Conformity Assessment System in
Bangladesh

16

International Recognition

| Organization | BAB Status | Year |
|--------------|------------------|------|
| APLAC | Associate Member | 2007 |
| ILAC | Affiliate Member | 2010 |
| PAC | Associate Member | 2011 |

Present status of Conformity Assessment System in Bangladesh

17

About BSTI

- **Bangladesh Standard and Testing Institution (BSTI)** is an autonomous organization established in 1985.
- It is the only National Standardization Body and recognized by ISO & IEC.
- The Main functions of BSTI are-
 - Formulation and adoption of standards for products, services, testing methods;
 - Testing of products and certification;
 - Management system certification;
 - Calibration and verification of all measurements.

Present status of Conformity Assessment System in Bangladesh

18

About BSTI

There are 73 committees for standards.

Final draft standards developed in the following stages:

- **Stage 1: Proposed stage,**
- **Stage 2: Prepare stage,**
- **Stage 3: Committee stage,**
- **Stage 4: Enquiry stage,**
- **Stage 5: Approval stage,**
- **Stage 6: Publication stage.**

More than 3500 Bangladesh Standards have been adopted. Among them 1500 ISO standards adopted as Bangladesh Standards.

About BSTI

- There are two testing wings in BSTI:
 - (1) Physical Testing Wing:
 - Electrical & Electronics Engineering Division,
 - Civil, Physical & Mechanical Division,
 - Textiles divisions.
 - (2) Chemical Testing Wing:
 - Food & Bacteriological Divisions
 - Chemical Divisions

About BSTI

BSTI has Metrology Wing which is responsible for:

- i. Implementation of SI Unit;
- ii. Maintenance of Standards of Weights and Measures with international traceability;
- iii. Maintenance and Development of the National Measurement Standard.
- iv. Promotion of Metrological activities.
- v. Verification and calibration of measuring instrument.

About BSTI

The National Metrology Laboratory of BSTI (NML-BSTI) was established in 2009.

There are six laboratories in NML-BSTI:

1. Mass measurement Laboratory,
2. Length and Dimension Metrology Laboratory,
3. Force and Pressure Metrology Laboratory,
4. Volume, Density and Viscosity Metrology Laboratory,
5. Electrical, Time and Frequency Metrology Laboratory,
6. Temperature Measurement Laboratory.

About BSTI

- The Certification Marks Wing is responsible for:
 1. The promotion of quality control,
 2. Ensuring compliance of products with the BDS,
 3. Implementation of BDS through the National Certification Marks scheme, and
 4. Certifying the quality of commodities, materials and products which are produced for local market or Import and Export.

Product certification is done following ISO 17065.

About BSTI

- Consumer Protection:

The following measures are taken for Consumers protection:

 - Surprise inspection of the factory and random samples are tested in BSTI laboratory,
 - Products bearing the standard marks are collected by surveillance team from the open market and tested,
 - Misuse of the Standard Mark is punishable as per law,
 - If the test reports of the samples collected from the market are found not in conformity with the relevant BDS, actions are taken according to the acts.

BAB – Assessment Personnel

- Lead and Technical Assessors:
- Internal (6)
 - ISO 17025 Testing & calibration labs – (6)
 - ISO 15189 Medical Labs – (0)
 - ISO 17021 System certification bodies – (1)
 - ISO 17065 Product certification (2)
- Contracted personnel-
 - Assessors including Lead & technical (63)

Accreditation Process

Application → Accreditation

According to requirements
in
ISO 17011

How does BAB works?

- BAB implemented its quality system and perform all accreditation operation in accordance with its Quality Manual.
- BAB quality system allows for continual improvement from the identification of potential non-conformances and opportunities for improvement.
- BAB performed Internal Audit and Mock Peer evaluation.

Present status of Conformity Assessment System in Bangladesh

27

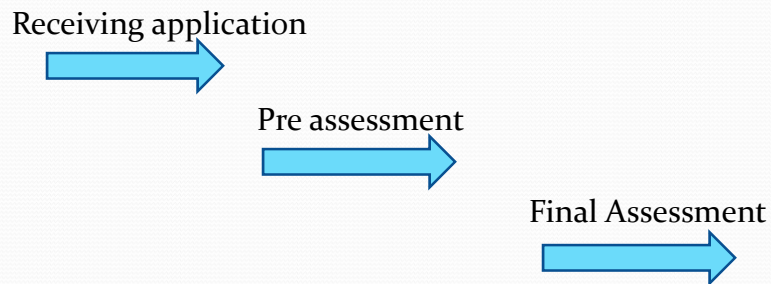
Continued

- BAB quality system conforms to the requirements of:
 - ISO/IEC 17011
 - ILAC/IAF A2
 - APLAC MR 001
 - ILAC P10, P14, G21
 - Other International requirements documents, as applicable and
 - National and regulatory requirements

Present status of Conformity Assessment System in Bangladesh

28

3 Phase Evaluation



Present status of Conformity Assessment System in Bangladesh

29

Timeline for the accreditation process

- After receiving application the laboratory will be acknowledged as soon as possible.
- Then adequacy will be done according to BAB procedure.
- Document review will be done at least 2 weeks before pre-assessment or assessment.
- If the laboratory's Adequacy report findings is well then the laboratory will be informed for pre-assessment or assessment.

Present status of Conformity Assessment System in Bangladesh

30

Continued

- After the completion of Assessment, the laboratory will be given one month time to submit the responses of findings .
- If the laboratory need more time then it will be extended upon request according to BAB procedure and **Bangladesh Accreditation Act, 2006.**

Initial visit and Reassessment- content

Assessment of the complete management system:

- All relevant documents reviewed.
- All requirements according to the accreditation standard assessed.
- Representative methods demonstrated and/or discussed.
- Representative personnel interviewed.

Additional requirements

In addition to the requirements in the accreditation standard, the CAB shall also comply with additional requirement documents issued by the accreditation body (BAB).

Additional requirements is most often based upon international requirements issued by ILAC, IAF, APLAC and PAC.

General documents required

- **BAB Accreditation Procedure**
- **BAB Assessment Procedure**
- **BAB Terms and Condition**
- **BAB Traceability Policy**
- **BAB PT Policy**
- **Others**

Suspension & Withdrawal of the Accreditation

- Voluntarily when requested from the CAB, e.g.
 - Instrument breakdowns
 - Temporary lack of resources, etc.
 - Problems connected to different internal and external controls
- Enforced by BAB when serious gaps (nonconformities) are identified during assessment, e.g.
 - Analysis not under proper control- unacceptable internal or external controls not followed up.
 - Lack of traceability.
 - Misuse of the accreditation mark
 - Lack of essential information to BAB- organizational changes and change of key personnel, shifting of facilities, etc.
- Enforced by BAB due to lack of payment, bankruptcy and corruption.

Complaints and Appeals

- CABs may submit a complaint for any issue that concerns them;
- When the CAB is not satisfied with decision taken by the BAB officials it has the right to appeal to the Chairman of BAB;
- Then DG, BAB will investigate the complaints and appeals;
- After that Chairman, BAB will give the decision and it will be a binding on BAB and CAB.

For more information

www.bsti.gov.bd

www.bab.org.bd

[www. bangladesh.gov.bd](http://www.bangladesh.gov.bd)

Thank You

Membership of ITU (for information)

| Name | ITU-R | ITU-T | ITU-D | Categories (?) |
|--|-------|-------|-----------|-------------------|
| Bangladesh - Bangladesh – Bangladesh | | | | |
| Ministry of Posts and Telecommunications , Government of the People's Republic of Bangladesh , DHAKA | | | | MINISTRY |
| Bangladesh Telecommunication Regulatory Commission (BTRC) , IEB Bhaban , DHAKA | | | | ADMIN / REGULATOR |
| National Broadcasting Authority , Directorate General , DHAKA | | | | ADMIN RELATED |
| Banglalink Digital Communications Ltd. , DHAKA | | | X | ROA |
| Grameenphone (GP) Limited , DHAKA | | | X | ROA |
| Robi Axiata Limited , DHAKA | | | ASSOCIATE | ROA |
| | | | SG | |
| ***6 member(s) (ITU-R=0, ITU-T=0, ITU-D=2, any=2); Associates: ITU-R=0, ITU-T=0, ITU-D=1, any=1). | | | | |
| Permanent Missions | | | | |
| Missions permanentes | | | | |
| Misiones permanentes | | | | |
| Name | ITU-R | ITU-T | ITU-D | Categories (?) |
| Mission permanente de la République populaire du Bangladesh, GENEVE | | | | PERM MISSION |
| Permanent Mission of the People's Republic of Bangladesh to the United Nations in New York, NEW YORK | | | | PERM MISSION |
| 2 member(s) (ITU-R=0, ITU-T=0, ITU-D=0, any=0). | | | | |
| Total: 8 (2 ITU-D, 0 ITU-R, 0 ITU-T; Associates: 1 ITU-D, 0 ITU-R, 0 ITU-T) | | | | |
| Sat Nov 23 10:55:21 CET 2013 | | | | |

Present status of Conformity Assessment System in Bangladesh

39