



Proficiency Testing Plan

Year 2025/2026 (Testing & Calibration)

No.	Code	Title	Description	Starting Date	Min. no. of participants
1	IBC-WC	Water Scheme	Water Chemistry (pH, Conductivity, Heavy Metals, & Anions)	March 2026	10
2	IBC-WM	Water Scheme	Water Microbiology	April 2026	10
3	IBC-SW	Environmental Scheme	Swab Microbiology	May 2026	10
4	IBC-E	Environmental Scheme	Environmental Measurements	June 2026	10
5	IBC-W	Water Scheme	Water Chemistry (pH, Conductivity, Heavy Metals, & Anions)	August 2026	10
6	IBC-W	Water Scheme	Water Microbiology	October 2026	10
7	IBC-SW	Environmental Scheme	Swab Microbiology	December 2026	10
8	IBC-Bal	Calibration of Balance	Calibration of Balance	Jan – Dec 2026	N/A
9	IBC-M	Calibration of Masses	Calibration of Masses	Jan – Dec 2026	N/A
10	IBC-T	Calibration of Temperature Sensor	Calibration of Temperature Sensor	Jan – Dec 2026	N/A
11	IBC-MM	Calibration of Outside Micrometer	Calibration of Outside Micrometer	Jan – Dec 2026	N/A
12	IBC-Cal	Calibration of Caliper	Calibration of Caliper	Jan – Dec 2026	N/A
13	IBC-DI	Calibration of Dial Indicator	Calibration of Dial Indicator	Jan – Dec 2026	N/A
14	IBC-PPG	Calibration of Pneumatic Pressure Gauge	Calibration of Pneumatic Pressure Gauge	Jan – Dec 2026	N/A
15	IBC-HPG	Calibration of Hydraulic Pressure Gauge	Calibration of Hydraulic Pressure Gauge	Jan – Dec 2026	N/A
16	IBC-DBC	Calibration of Dry Block Calibrator	Calibration of Dry Block Calibrator	Jan – Dec 2026	N/A
17	IBC-CV	Calibration of Closed Volume for Specific Volume	Calibration of Closed Volume for Specific Volume	Jan – Dec 2026	N/A
18	IBC-POVA	Calibration of Piston Operated Apparatus	Calibration of Piston Operated Apparatus	Jan – Dec 2026	N/A
19	IBC-DSW	Calibration of Digital Stop Watch	Calibration of Digital Stop Watch	Jan – Dec 2026	N/A
20	IBC-CM	Calibration of Clamp Meter	Calibration of Clamp Meter	Jan – Dec 2026	N/A
21	IBC-COND	Calibration of Conductivity Meter	Calibration of Conductivity Meter	Jan – Dec 2026	N/A
22	IBC-GT	Calibration of Glass Thermometer	Calibration of Glass Thermometer	Jan – Dec 2026	N/A

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23	IBC-MU	Calibration of Multimeter	Calibration of Multimeter	Jan – Dec 2026	N/A
24	IBC-pHM	Calibration of pH Meter	Calibration of pH Meter	Jan – Dec 2026	N/A
25	IBC-PRT	Calibration of Resistance Thermometer	Calibration of Resistance Thermometer	Jan – Dec 2026	N/A
26	IBC-TW	Calibration of Torque Wrench	Calibration of Torque Wrench	Jan – Dec 2026	N/A
27	IBC-TH	Calibration of Temperature and Humidity	Calibration of Temperature and Humidity	Jan – Dec 2026	N/A

PT Scheme Communication

- **PT Scheme Objective:**

Laboratory evaluation and Quality control using inter-laboratory comparisons between Competent laboratories.

- **PT Scheme Purpose:**

Participation in Proficiency Testing (PT) schemes is a crucial method for demonstrating a laboratory's technical competence. It enables laboratories to:

1. Compare their results with those of other laboratories.
2. Utilize data from PT participation to validate measurement methods.
3. Enhance the test methods employed.
4. Showcase technical competence to third parties.
5. Accuracy Assessment: Enable laboratories to evaluate the accuracy in their routine operations, ensuring that the measurement standards meet required specifications.
6. Associated reported uncertainties will also be evaluated as part of this PT.

- **Participation criteria:**

Laboratories or individuals, through specific activities that INTERNATIONAL BUSINESS CERTIFICATION identifies within its scope of accreditation.

Participants shall meet the following criteria:

1. The participant shall be a legally identifiable, authorized to perform the relevant activities under applicable national or international regulations.
2. Participants shall commit to treating all proficiency test materials and results as confidential, and shall not engage in collusion, result falsification, or any activity that may compromise the integrity of the scheme.
3. Participants shall adhere to all safety, environmental, and handling instructions provided with the proficiency test items.

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- **Criteria for Determining the Assigned Value and the Evaluation of Performance:**

1. For testing PT schemes, The Assigned value could be determined as a consensus value from participants' results, Formulation, CRM, Result from one reference lab, or Consensus value from expert laboratories.

For testing PT schemes, the performance is usually evaluated using Z-Score. But when the standard uncertainty of the assigned value is considered not to be negligible, z' score is used.

2. For calibration PT Schemes, the assigned value and its expanded uncertainty are determined from a reference laboratory in a valid calibration certificate with known metrological traceability.

For calibration PT Schemes, the performance is usually evaluated using En score.

- **Confidentiality:**

INTERNATIONAL BUSINESS CERTIFICATION PT are committed to upholding the highest standards of confidentiality in accordance with ISO 17043:2023. All information pertaining to participants is treated as strictly confidential and will not be disclosed without explicit consent from the participant for specific purposes. When INTERNATIONAL BUSINESS CERTIFICATION PT is required by law to release confidential information, the consent of participant is taken, unless prohibited by law. All information supplied by a laboratory as part of a proficiency testing program is treated as confidential. For each program round, each participant is assigned a code number to allow for the confidential treatment of results in all reports and publications produced by INTERNATIONAL BUSINESS CERTIFICATION PT. Result information may be made available to INTERNATIONAL BUSINESS CERTIFICATION PT Technical Committee during result analysis, or to assessors during INTERNATIONAL BUSINESS CERTIFICATION PT 's accreditation audit. Confidentiality agreements are signed by all relevant parties.

- **Critical Timelines:**

All Critical Timelines will be informed in the instructions to participants IBC-F-7.2.1.5 Proficiency Testing Protocol.

- **How to Apply?**

To apply our PT Schemes, please send an E-mail to PT@firstplusweb.com, the request form will be sent, filled, and a price offer will be received. If any changes in PT scheme design or operation, the customer will be informed immediately.