SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

REPORT ON THE TRAINING SESSION IN CAMBODIA

Expert	Mr. INAGAWA Fumio (SESPP Secretariat Technical Advisor)
Period	Monday, February 2nd ～ Friday, February 6th, 2026
Venue	National Polytechnic Institute of Cambodia (NPIC) Phnom Penh City, Kingdom of Cambodia
Training course	Skills Assessor Training (SAT)
Trade & Grade	Mechanical Inspection, Grade 2

February, 2026

Outline of Results

1. Number of participants

<SAT>

Participants: 14 / Completed participants: 14

2. Schedule

Date & Time	Content
February 2nd (Monday) 8:30 - 16:30 (All local time)	[Skills Assessor Training (SAT)] (1) Explanation of training schedule (2) Roles and responsibilities of assessors (3) Practical test assignment and required measuring instruments (4) Required equipment and supplies (5) Practical test procedures and operational considerations ・How to use the pre-test instruction sheet for examinees (6) Differences between Grade 3 and Grade 2 practical tests (7) How to use the height gauge and measurement practice (8) Gear measurement using tooth thickness micrometer ・Measurement method of base tangent length ・Method of calculating normal pitch ・Practice of base tangent length measurement
February 3rd (Tuesday) 8:30 - 16:30	[Skills Assessor Training (SAT)] (1) Preparation for role play ・Setting up the test venue and arrangement of equipment (Task 1–Task 4) ・Checking and arranging test equipment ・Zero adjustment of measuring instruments ・Explanation of how to record measurement values on the answer sheet ・Explanation of work attitude scoring sheet (2) Role play (divided into assessors and examinees) ・Instructions given to all participants to perform measurements for Task 1–Task 4 and record values on the answer sheet
February 4th (Wednesday) 8:30 - 16:30	[Skills Assessor Training (SAT)] Role play (continued) (1) Measurement and practice of answer correct values (Task 1–Task 4) (2) Preparation of deduction table (Task 1–Task 4) (3) Scoring practice (Task 1–Task 4) ・Scoring practice using answer sheets completed by examinees ・Compilation of work attitude scoring ・Preparation of practical test result sheet (4) Explanation of storage methods for measuring instruments ・All participants stored the measuring instruments according to correct procedures
February 5th (Thursday) 8:30 - 16:00	[Skills Assessor Training (SAT)] (1) Explanation of procedures for the Planning Work Test (2) Explanation of how to solve statistical problems using prepared data (3) Explanation of how to solve figure-related problems using prepared examples (4) Challenge: Planning Work Test (105 minutes) (5) Explanation of scoring method for Planning Work Test ・Scoring practice using answer sheets completed by examinees

February 6th (Friday) 8:30 - 15:00	[Skills Assessor Training (SAT)] (1) Explanation of how to solve Planning Work Test questions (2) Methods for solving various problems to determine angle θ and length L (3) Wrap up ・Completion of the questionnaire.

3. Review

(1) In the Grade 2 Mechanical Inspection practical test (Production Work Test), measurement using a height gauge and base tangent length measurement of spur gears using a tooth thickness micrometer were added as a new assignment. Regarding measurement using the height gauge, after I explained its usage and measurement method, I felt that all participants were able to grasp the measurement procedures through practical exercises.
On the other hand, regarding base tangent length measurement of spur gears, it seemed difficult for the participants to understand why gear accuracy is controlled using base tangent length. Concerning the number of teeth to be sandwiched (the number of teeth clamped by the tooth thickness micrometer), I felt it is necessary to instruct gear measurement in connection with the gear cutting process.

(2) Maintenance and Management of Measuring Instruments
Proper maintenance and management of measuring instruments are extremely important in performing precision measurements. However, the condition of instrument maintenance was extremely poor, and I observed rusted gauge blocks and micrometer spindles.
Therefore, I once again explained and demonstrated the correct maintenance procedures. After that, I had all participants practice them and checked their performance. In particular, regarding gauge blocks, I instructed them to thoroughly wipe the measuring surfaces clean and then apply a thin layer of oil. I also instructed them to develop the habit of always wiping off dirt before storing measuring instruments after use.

4. Questionnaire Results

<SAT>

◆ Participants: 14 (Respondents: 14) (* 5-point rating scale)

Satisfaction level:	Very satisfied = 10	Satisfied = 4
Usefulness level:	Very useful =10	Useful = 4
Needs of continuation:	Must continue = 11	Should continue = 3

[Improvements and proposals]

- I would like to participate in more training programs like this in the future.
- I would like more practical training using measuring instruments.
- This training is highly useful for acquiring measurement skills; if possible, the training period should be longer than five days.
- I would like more practice with measuring instruments in order to pass the test.
- I would like this training to continue.
- I would like the training period to be extended and conducted every year.

[Opinions, comments, and preferred trades for the future]

- Mechanical Inspection (2)
- Inspection of welding defects
- Industrial Inspection
- Machining Technology
- I would like the training period to be extended to two weeks to one month.
- I would like pre-test practice session.
- I hope this training will continue. I would also like practical training using various measuring instruments.
- I would like to practice more and pass the test.
- I would like to learn about worm gears and bevel gears. After completing Grade 2 of this training, I would like to take Grade 1.

◆ Manager: 1 (Respondents: 1) (*5-point rating scale)
Needs of continuation: Must continue = 1

[Improvements and proposals]

- I would like a mock skill test to be conducted.

[Opinions, comments, and preferred trades for the future]

- Higher level of Mechanical Inspection job trade.