SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

REPORT ON THE TRAINING SESSION IN LAO PDR

Expert	Mr. INAGAWA Fumio (SESPP Secretariat Technical Advisor)
Period	Monday, January 13th ～ Thursday, January 16th, 2025
Venue	Skills Development Institute (SDI) Vientiane Capital, Lao PDR
Training course	Skills Evaluation Trial (SET)
Trade & Grade	Mechanical Inspection, Grade 3

February, 2025

Outline of Results

1. Number of participants

<SET>

Assessors: 8 / Examinees: 8 / Successful applicant: 1

2. Schedule

Date & Time	Content
January 13th (Monday) 8:30 - 17:40 (All local time)	[Skills Evaluation Trial (SET)] 8:30 - 9:00 Opening Ceremony 9:00 - 9:30 (1) Explanation of the overview and objectives of SESPP (2) Explanation of the training schedule 9:30 - 14:00 (1) Explanation of the method for measuring the effective diameter of thread gauge • Practical training on measuring the effective diameter of threads (2) Explanation of how to use a cylinder gauge (3) Practical training on measurement tasks (Task 1 and Task 2) using the same methods as the actual test (4) Explanation of the practical test implementation and operational considerations • How to use the pre-exam notice sheet for examinees • Explanation and usage of the answer sheet and scoring sheet (5) Necessary equipment, tools, and supplies for the practical test (6) Setting up the practical exam venue and arranging equipment (7) Formation of the assessor team and role assignment 14:00 - 17:40 Dividing the participants into assessor team and examinee team, conducting practical training on Task 1 to Task 3 using the same methods as the actual test
January 14th (Tuesday) 8:30 - 15:45	[Skills Evaluation Trial (SET)] 08:30 - 08:50 Recap of the previous day, explanation of how to record measurement values for Task 1 to Task 3 09:00 - 10:00 Theoretical Test (60 minutes) (8 examinees) 10:00 - 12:00 Practical Test (4 examinees) 13:00 - 14:30 Practical Test (4 examinees) 14:30 - 15:45 Measurement of correct values and creation of the deduction table
January 15th (Wednesday) 8:30 - 6:10	[Skills Evaluation Trial (SET)] (1) Continuation of deduction table creation (2) Scoring process • Scoring of the practical test • Scoring of the theoretical test (3) Preparation of the practical test result table and the test result table

January 16th (Thursday) 8:30 - 16:20	[Skills Evaluation Trial (SET)] 08:30 - 10:50 Explanation of the theoretical test questions 11:00 - 14:40 All participants take turns as examinees and assessors, performing Task 1 and Task 2 using the same methods as the actual test 14:45 - 15:20 (1) Scoring of Answer sheets for Task 1 and Task 2 based on the deduction table (double checking) (2) Providing individual feedback on strengths and weaknesses, instructing participants to improve their measurement skills 15:20 - 16:00 (1) Explanation of maintenance and management of measuring equipment, followed by cleanup (2) Summary • Completion of the questionnaire 16:00 - 16:20 Closing Ceremony

3. Review

(1) During the previous skills assessor training, I conducted measurement practice, and on the first day of this Skills Evaluation Trial, I had participants perform Tasks 1 to 3 using the same methods as the actual practical test. As a result, their measurement skills significantly improved. In the practical test, three participants reached the passing level (60 points or higher), while two scored above 50 points. The remaining three participants scored around 40 points, and I expect that a considerable number of participants will reach the passing level in the next SET.

(2) To help participants understand the importance of temperature control in precision measurement tasks, I prepared a tabletop thermometer and set it up in the test venue. I recorded the temperature at the start of the test and continued taking readings every hour. I instructed the participants to turn on the air conditioning for temperature control whenever the room temperature exceeded 24°C. The participants became aware of temperature management and conducted the SET under stable condition.

(3) Since measuring instruments used in the Grade 3 Mechanical Inspection practical test, such as micrometers, caliper, cylinder gauge, ring gauge, block gauges, thread gauge, three-wire, and measurement parts for Task 1, can easily develop rust and cause measurement inaccuracies, I emphasized the importance of proper maintenance and storage. I explained and demonstrated the following storage methods:
① Micrometers should be stored with the measuring surfaces clean and not in contact with each other.
② The measuring surfaces of block gauges should be thinly coated with spindle oil and protected with anti-rust paper before storage.
③ Ring gauge, thread gauge, three-wire, and measurement parts for Task 1 should be thinly coated with spindle oil and stored in their respective storage bags.
④ Cylinder gauge should be disassembled, cleaned of dust, and stored in a storage case.

(4) In this SET, there were seven observers from one Japanese company. They observed very attentively, capturing the implementation of both the theoretical and practical tests on camera. The company mentioned that measuring parts and products is crucial in the wire harness manufacturing process and expressed interest in having their employees experience the measurement tasks in the Mechanical Inspection practical test. They added that they want to challenge their employees with the test and plan to have them participate in the next SET. It is very important for the Japanese companies to understand the situation of the SET Mechanical Inspection, as it helps in comprehending the SESPP. I hope that more information will be provided to the member companies of the Laos Japanese Chamber of Commerce and Industry in the future.

4. Questionnaire Results

<SET>

◆ Assessors: 8 (Respondents: 8) (* 5-point scale)

Satisfaction level:	Very satisfied = 7	Satisfied = 1
Usefulness level:	Very useful = 8	Useful = 1
Level of ability improvement:	Much improved = 4	Improved = 4
Needs of continuation:	Must continue = 6	Should continue = 2

[Improvements and proposals]

・I'd appreciate it if you could continue the training.
・It would be great to have more practice time to get better at measurement methods and reading measurement values before the practical test.

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

・Mechanical Inspection Trade
・Automotive Technology Field (3)
・Welding
・I hope all of us can become a certified assessor.
・I'd like to learn how to measure angles using a sine bar.
・I'd like to conduct a trial for the Mechanical Inspection trade based on the training I received.

◆ Examinees: 8 (Respondents: 8) (*5-point scale)

Satisfaction level:	Very satisfied = 8	
Usefulness level:	Very useful = 7	Useful = 1
Needs of continuation:	Must continue = 6	Should continue = 2

[Improvements and proposals]

・I would like the practical exam time to be extended.
・There are no areas that need improvement, and I am grateful that the experts explained the training content accurately and clearly.
・As an examinee, I hope that capable student examinees are allowed to participate in the training to provide them with learning opportunities.

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

・Mechanical Inspection (2)
・Automotive-related trades
・Factory machinery-related trades
・Welding

・I would like to learn about measuring angles using sine bars.
・I hope to receive training for both the theoretical and practical tests in automotive-related trades.

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

[Improvements and proposals]
・Given the high number of examinees who failed the trial, I would like to request the training duration extended.

[Opinions, comments, and preferred trades for the future]
・To improve the participants' skills, I hope you will continue the Mechanical inspection training and also introduce training for the plastering trade.