

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 15th ~ Friday, January 19th, 2024
Venue	Skills Development Institute (SDI) Vientiane Capital, Lao PDR
Training course	Skills Evaluation Method (SEM)
Trade & Grade	Mechanical Inspection, Grade 3

February, 2024

Outline of Results

1. Number of participants

<SEM>

Participants: 10 Completed participants: 9

2. Schedule

Date & Time	Content
January 15th (Monday) 8:30 - 16:30 (All local time)	[Skills Evaluation Method (SEM)] (1) Development of skill standards and curriculum through job analysis ① Definition of job analysis ② Concepts of Occupation, Job, Duty, Task ③ Procedures of job analysis ④ Development of job system diagram ⑤ Development of skill standards based on job system diagram
January 16th (Tuesday) 8:30 - 16:30	[Skills Evaluation Method (SEM)] ⑥ Curriculum components ⑦ Key points for curriculum development ⑧ Development of curriculum based on the job system diagram (2) Introduction to Japanese skills test ① The significance ② Grades, levels of skill and knowledge ③ Explanation of the test structure (format of theoretical test and practical test) and the differences by grade. (3) Characteristics of comprehensive skill evaluation method and competency-based evaluation method
January 17th (Wednesday) 8:30 - 16:30	[Skills Evaluation Method (SEM)] (4) Standards and details of skills test for Mechanical Inspection trade ① Works that make up the practical test ② Subjects that make up the theoretical test (5) The questions of Mechanical Inspection Grade 3 practical test (explanation of aim, work structure and content) ① Measurement work using measuring instruments ② Measurement of effective diameter of screw thread ③ Instrumental error measurement of outer micrometer (6) The questions of Mechanical Inspection Grade 3 theoretical test (explanation of question structure and content by subject)

January 18th (Thursday) 8:30 - 16:30	[Skills Evaluation Method (SEM)] (7) Mock test using the questions of Grade 3 theoretical test (60 minutes) · Explanation of answer key after the test (8) Key points of creating theoretical test questions (9) Practice creating theoretical test questions (each person creates 10 questions)
January 19th (Friday) 8:30 - 15:00	[Skills Evaluation Method (SEM)] (10) Practice creating theoretical test questions (continued) (11) Presentation of created questions and consideration of their content (12) Summary (13) Questionnaire

3. Review

- (1) The participants in this training course were instructors in charge of automotive training at vocational training institutions. There was little time for practicing measurement instruments in their usual training course, so only four participants were able to measure accurately using micrometers and vernier calipers. When conducting the Mechanical Inspection SAT, I thought that it was necessary to improve measurement skills by using the assignment of task 1 of the practical test.
- (2) The participants were able to understand thoroughly how to create a curriculum from a job analysis system diagram which was created based on job analysis. Participants commented that they would like to use this method to revise and improve their existing curriculum, and they would like to try this method when developing skill standards for new trades, they showed great interest in the job analysis method.
- (3) After I explained how to create theoretical test questions based on the standards and details of Mechanical Inspection, the participants practiced creating 5 to 10 theoretical test questions. Then, I had them present the theoretical test questions they had created, and we all discussed the contents. As a result, we determined that approximately 50% of the theoretical test questions could be used as test questions with some minor modifications. I felt that the participants had achieved a certain level of ability to create theoretical test questions.

4. Questionnaire Results

<SEM>

◆ Participants: 9 (Respondents: 9) (* 5-point scale)

Satisfaction level: 5: Very satisfied = 9

Usefulness level: 5: Very useful = 8 4: Useful = 1

Needs of continuation: 5: Must continue = 9

[What was the most meaningful part of the training course?]

- Creating test questions
- Job analysis (3)
- Practicing measurement instruments (2)
- Curriculum analysis

- Automobile parts inspection training
- Creating test questions
- All training contents

[Improvements and proposals]

- Training course in Japan (5)
- Implement level-up training courses from next year onwards.
- I wish that the training period could be longer. (2)
- I would appreciate if you could focus on practical skills and real measurements.
- I would appreciate if you could implement the theoretical and practical training sessions at the same time.

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

- Training for automobile-related trades (6)
- Machine repair and maintenance trades (inspection of internal parts of machines)
- Standard installation of air conditioning equipment
- Implementation of level-up training courses

◆ Manager: 1 (Respondents: 1) (* 5-point scale)

Needs of continuation: 5: Must continue = 1

[Improvements and proposals]

- I look forward to a training course in Japan.

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

- Training course on automotive field