SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

REPORT ON THE TRAINING SESSION IN VIETNAM

Experts	Mr. YASUHARA Masahiko (Polytechnic University) Mr. SEINO Masafumi (Polytechnic University)
Period	December 23 rd (Monday) - December 27 th (Friday), 2024
Venu	Nguyen Tat Thanh University (NTTU), Ho Chi Minh City, Vietnam
Training course	Skill Evaluation Method (SEM), Skill Evaluation Trial (SET)
Trade & Grade	Sequence Control, Grade 2

January, 2025

Overview of Results

1. Number of participants:

<SEM>

Participants: 6　　Training course completed participants: 6

<SET>

Assessors: 6　　Examinees: 9　　Successful examinees: 3

2. Schedule

Date & Time	Content
December 23rd (Monday) 8:30 - 16:30	[Skill Evaluation Method (SEM)] (1) Self-introduction and confirmation of participants' progress (2) Explanation of the training schedule (3) Explanation of the test project (theoretical test, planning work test, production work test) (4) Structure of theoretical test questions (5) Key points for creating and solving theoretical test questions (6) Structure of planning work test questions (7) Key points for creating and solving planning work test questions (8) Structure of the production work test questions (9) Key points for creating and solving production work test questions (including explanations of specifications) (10) Key points for creating an operation check sheet
December 24th (Tuesday) 8:30 - 16:30	[Skill Evaluation Method (SEM)] (1) Explanation of the Practical Test Scoring Guidelines (2) Approach to safety (3) Role Play Exercises
December 25th (Wednesday) 8:30 - 16:30	[Skill Evaluation Method (SEM)] (1) Role Play Exercises (cont.) (2) Practical test implementation method and operational considerations (3) Equipment, tools, and supplies required for the practical test (4) Setting up the practical test venue and arranging equipment (5) Setting up the theoretical test venue (6) Formation of the assessor team and role assignment

December 26th (Thursday) 8:30 - 16:30	[Skills Evaluation Trial (SET)] 8:30 - 8:50 Opening Ceremony 9:00 - 10:40 Theoretical test (100 minutes) (Examinees: 7) 10:40 - 11:40 Planning work tests (60 minutes) (Examinees: 9) 13:00 - 15:20 Production work test (Examinees: 9) 15:20 - 16:30 Scoring process (operation check, wiring task, working attitude, working time scoring, etc.)
December 27th (Friday) 8:30 - 16:30	[Skills Evaluation Trial (SET)] (1) Scoring process (cont.) ・Scoring for the production work tests ・Scoring for the planning work tests ・Scoring for the theoretical tests (2) Practical test result sheet and test result sheet creation

3. Review

<Mr. Yasuhara>

In Ho Chi Minh City, Vietnam, we conducted back-to-back training courses: the Skill Evaluation Method (SEM) for Sequence Control Grade 2 and the second Skill Evaluation Trial (SET). During SEM, I explained the structure, solution methods, and scoring guidelines for the theoretical test, planning work test, and production work test. This time, we worked with a mix of returning and first-time participants. Despite being new, the first timers took the training seriously, fully understood their roles, and performed accordingly, which allowed all of the participants to carry out the trial smoothly without any problems. This time, I also saw a noticeable improvement in safety awareness, especially in handling unexpected situations during the trial and executing emergency stops during abnormal conditions in the production assignment's operation checks. We hope that the participants will be certified as assessors and play an active role in the further development of Vietnam.

<Mr. Seino>

The SESPP training courses were prepared as discussed in the web conference and were carried out in an ideal setting as we wanted, with a designated conference room as the test venue, a waiting room for examinees, and a separate waiting room for assessors. In addition, the three supporters, who are certified assessors, were very cooperative. They provided insightful advice that helped the assessors navigate the process smoothly. However, there was no printer available initially. Although one was arranged later, it wasn't accessible when we needed it most. Another challenge was that two-thirds of the participants were taking the assessor training for the first time. As a result, the session focused heavily on explanations for newcomers rather than building on prior experience, which slowed progress. Ideally, the training should be conducted with participants who have undergone the same number of sessions to ensure a smoother learning experience.

4. Questionnaire Results

SEM [Skill Evaluation Method]

◆ Participants: 6 (Respondents: 6) (*5-point scale)

Satisfaction level: Very satisfied = 6 Satisfied = 0

Usefulness level: Very useful = 6 Useful = 0
Needs of continuation: Must continue = 6 Should continue = 0

[Which program did you find most meaningful?]

- Key points for creating and solving theoretical test questions.
- Approach to safety.
- Equipment, tools, and supplies required for the practical test.
- Key points for creating and solving production work test questions.
- Explanation of practical test scoring guidelines.
- Formation of the assessor team and role assignment.

[Improvements and proposals]

- Please organize more programs like this.
- I would like to participate in the next training as well.
- Expansion of the number of potential participants and companies.

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

- Robot
- Electrical-related trades
- Industrial and household electricity
- PLC
- Electrical systems design
- Advanced skills relevant to the smart manufacturing sector.

◆ Manager: 1 (Respondents: 1) (*5-point scale)
Needs of continuation: Must continue = 1 Should continue = 0

[Improvements and proposals]

- None

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

- Mechanical drawing (CAD work) Grade 3, Sequence control Grade 2, Mechanical inspection Grade 3, Mechanical inspection Grade 2

SET [Skills Evaluation Trial]

◆ Assessors: 6 (Respondents: 6) (* 5-point scale)
Satisfaction level: Very satisfied = 6 Satisfied = 0
Usefulness level: Very useful = 6 Useful = 0
Level of ability improvement: Much improved = 6 Improved = 0
Needs of continuation: Must continue = 6 Should continue = 0

[Improvements and proposals]

- Please conduct more mock tests.
- I will continue to participate in the next training.
- Please continue to implement the same training activities next year.
- I would appreciate if you could expand the number of participants to allow more companies to join.

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

- Robot
- PLC
- Electronics
- Robot operation
- I want to work in electrical systems design.
- Industrial and household electricity
- More advanced smart manufacturing technologies.

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

Satisfaction level:	Very satisfied = 7	Neither satisfied nor dissatisfied = 1	Not satisfied = 1
Usefulness level:	Very useful = 7	Useful = 2	
Needs of continuation:	Must continue = 9	Should continue = 0	

[Improvements and proposals]

- Prepare the practice kits for the test more carefully.
- Practice extensively before taking the test.
- Increase practice time.
- Check and properly set up the PLC test kit in advance, ensuring that screws on components like sliders are not loose.
- Inspect devices more carefully to prevent socket damage.
- Check the equipment before taking the test.

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

- Autocad drawing
- Automation (2)
- Screen Programming

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

Needs of continuation:	Must continue = 1

[Improvements and suggestions]

- The preferred timing for the event is between March and May or July and August. Alternatively, October to November is also a convenient period, as it tends to be easier for companies to participate, and both teachers and assessors are more readily available.

[Opinions, thoughts, and implementation requests]

- Mechanical drawing (CAD work) Grade 3, Sequence control Grade 2, Mechanical inspection Grade 3, Mechanical inspection Grade 2.