

SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION
IN VIETNAM**

Experts	Mr. Masahiko Yasuhara (Polytechnic University) Mr. Masafumi Seino (Polytechnic University)
Period	January 10 th (Wednesday) - January 14 th (Sunday) 2024
Venue	Nguyen Tat Tan University (NTTU), Ho Chi Minh City, Vietnam
Training course	Skills Assessor Training (SAT), Skills Evaluation Trial (SET)
Trade & Grade	Sequence Control, Grade 2

January 2024

Result summary

1. Number of participants

<SAT> Participants: 10

<SET> Assessors: 10

Completed participants: 10

Examinees: 8

Successful examinees: 0

2. Schedule

Date & Time	Content
January 10 th (Wednesday) 8:30 - 16:30 (All local time)	[Skills Assessor Training] 8:30 - 9:15 Opening ceremony 9:15 - 12:15 Lecture and Practice exercises (1) SESPP Overview (2) Introduction to the Japanese skill test (3) The roles and responsibilities of assessors (4) Practical test questions, necessary equipment, etc. (5) Necessary supplies 13:15 - 16:30 Lecture and Practice exercises (6) Practical test implementation method and operational considerations (7) The experts explained the Practical test questions (8) The experts explained the Movement check sheet (9) The experts explained the Wiring work check sheet
January 11 th (Thursday) 8:30 - 16:30	[Skills Assessor Training] (1) The experts explained the how to proceed with role play (2) Role play (The experts divided the class into groups of assessors and examinees) (3) The participants practised scoring and evaluation (evaluation items: ① wiring work, ② programming work, ③ work attitude, ④ work time)
January 12 th (Friday) 8:30 - 16:30	[Skills Assessor Training] (1) Role play (continued) (2) The participants practised scoring and evaluation (evaluation items: ① wiring work, ② programming work, ③ work attitude, ④ work time) (3) Formation of evaluation team and role assignment (4) The participants set up the test venue and arranged equipment (5) The participants checked test equipment
January 13 th (Saturday) 8:00 - 16:30	[Skills Evaluation Trial] 8:00 - 8:30 Reception, preliminary meeting 8:30 - 10:50 Practical test (manufacturing work test (5 examinees) 10:50 - 12:00 Scoring work (operation check, wiring work scoring, etc.) 13:00 - 13:15 Reception

	13:15 - 15:35 Practical test (manufacturing work test (3 examinees) 15:35 - 16:30 Scoring work (operation check, wiring work scoring, etc.)
January 14 th (Sunday) 8:00 - 15:30	[Skills Evaluation Trial] 8:00 - 8:40 Reception, preliminary meeting, opening ceremony 8:40 - 10:20 Theoretical test (6 examinees) 10:20 - 11:20 Practical test (planning, etc. work test) (6 examinees) (1) Scoring work (continued) (2) Summary regarding practical test implementation <ul style="list-style-type: none"> · The experts explained how to solve the test questions on manufacturing work · The experts explained how to solve the test questions on planning work, etc. · Overall review

3. Review

<Mr. Yasuhara>

In this training session in Vietnam, we conducted SET on Sequence control for the first time in Ho Chi Minh City. Some of the participants were nervous because it was the first time for them to work on SET, but I think they were able to carry out it smoothly without any problems. All the participants took this training seriously and were able to fully understand their roles and perform accordingly. I was particularly impressed to see that the Chief Assessor and every person in charge had discussed and confirmed with each other repeatedly. The purpose of this training was for the assessors to master the SET implementation procedure, and I hope that by utilizing this experience, many participants will be certified as assessors in Vietnam, contributing to Vietnam's development.

<Mr. Seino>

In the SESPP training, the participants were very enthusiastic. I feel that they were very friendly with us and truly accepted our explanations.

I think that they basically accepted the expertise content. There were sometimes they enthusiastically discussed things that they didn't agree with. However, I believe that eventually, they were convinced. Particularly, there was a discussion regarding the score allocation for the emergency stop operation program, which was related to safety, in the end I feel that everyone was basically convinced. Besides, there were two participants who were certified assessors, and their full support made it possible for us to conduct the training very smoothly.

4. Questionnaire results

SAT [Skills Assessor Training]

◆10 participants (10 respondents) (*5-level evaluation)

Satisfaction level:	5: Very satisfied = 8	4: Satisfied = 2
Usefulness level:	5: Very useful = 9	4: Useful = 1
Needs of continuation:	5: Must continue = 8	4: Should continue = 2

[Improvements and proposals]

- SESPP secretariat should design more realistic programs so that participants can better

understand the training content.

- The training course provides the participants with advanced knowledge about Sequence control.
- I think it's very good.

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

- PLC
- Sequence control Grade 3
- Numerical simulation technology
- Training courses related to mechatronics, automation, and robotics.
- Additional training in Mechanical drawing (CAD work) skills.
- Continue to conduct training courses on Sequence control Grade 2
- CNC machine programming and its operation.
- This training session promotes the value and requirements of the Grade 2 certificate not only to the workers planning to work in Japan, but also the employees working at Japanese companies in Vietnam.
- I want to learn more about the IT field, especially cybersecurity.

◆1 local manager (1 respondent) (* 5-level evaluation)

Needs of continuation: 5: Must continue = 1

[Improvements and proposals]

- If possible, I would appreciate if you could continue to implement SAT and SET on Sequence control Grade 2 in the future.

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

- I would appreciate if you could implement SAT on Sequence control and Mechanical drawing (CAD work).

SET [Skills Evaluation Trial]

◆10 Assessors (10 respondents) (*5-level evaluation)

Satisfaction level:	5: Very satisfied = 9	4: Satisfied = 1
Usefulness level:	5: Very useful = 9	4: Useful = 1
Improvement level:	5: Much improved = 7	4: Improved = 3
Needs of continuation:	5: Must continue = 8	4: Should continue = 2

[Improvements and proposals]

- The training course should be conducted in accordance with the test questions and flowcharts translated into Vietnamese.
- The test should be divided into multiple small sections to make it easier for examinees to make programs.
- I wish the translation could be more accurate.
- I wish that we could have more time to be considerate, get to know each other better, and truly gain more knowledge from the experts.
- Acquire knowledge of Sequence control.
- I think it's very good.

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

- Mechanical drawing (CAD work)
- PLC programming
- PLC and Electrical technology
- Numerical simulation technology
- Mechatronics, robotics, automation
- Sequence control Grade 3
- Continue to implement Sequence control Grade 2 .
- Programming and operation of industrial robots.
- Programming and operation of CNC machine.
- I would like to choose Mechatronics trade as a training topic.

◆8 examinees (8 respondents) (*5-level evaluation)

Satisfaction level: 5: Very satisfied = 5 4: Satisfied = 2

3: Neither Very satisfied nor Satisfied = 1

Usefulness level: 5: Very useful = 6 4: Useful = 1

3: Neither Very useful nor Useful = 1

Needs of continuation: 5: Must continue = 6 4: Should continue = 2

[Improvements and proposals]

- I wish that the assessors could explain briefly.
- I wish that the assessors could inspect the practice set more carefully.
- I could see the improvement in terms of scratch paper preparation, the skills during exams and when notifying examinees of compliance requirements.
- So far, I think the current test is very good.
- The test question was not designed in accordance with the actual situation in Vietnam.
- The assessors should score consistently.
- I wish the topic was more understandable.

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

- Automation (2)
- PLC programming Grade 1
- Tests on Mechanical related trades
- Tests and Measuring machines
- Computer-based application programming.
- Please explain the requirements clearly and logically.

◆1 local manager (1 respondent) (* 5-level evaluation)

Needs of continuation: 5: Must continue = 1

[Improvements and proposals]

- I would appreciate if you could continue to implement SAT and SET.

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

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