

SKILLS EVALUATION SYSTEM  
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION  
IN VIETNAM**

Experts	Mr. UCHIYAMA Akira (DENSO Corporation)
Period	Monday, December 16, 2019 ~ Thursday, December 20, 2019
Venue	Hanoi City, Socialist Republic of Vietnam Hanoi Vocational College for Electro-Mechanics (HCEM)
Training course	Skills Evaluation Method (SEM), Skills Evaluation Trial (SET) , Skills Assessor Certification (SAC)
Trade & Grade	Sequence Control 2nd grade

**December, 2019**

# Outline of Results

## 1. Number of participants

**<SEM> Assessors: 5**  
**<SET> Assessors: 5 / Newly certified assessors: 5**  
**Examinees: 5 / Successful applicants: 1**

## 2. Schedule

Date & Time	Contents
Dec. 16 (Mon) 8:30AM~4:30 PM	<b>【Skills Evaluation Method (SEM)】</b> ・ Explanation about creation technique of theoretical test ・ Confirmation and revision of contents of theoretical test ・ Confirmation and revision of planning practical skill test
Dec. 17 (Tue) 8:30AM~4:30 PM	<b>【Skills Evaluation Method (SEM)】</b> ・ Measuring of programming skill ・ Practice of programming skill by element
Dec. 18 (Wed) 8:30 AM~4:30PM	<b>【Skills Evaluation Trial (SET)】</b> ・ Confirmation of assignment and check sheet ・ Preparation of the venue (venue of test, waiting room, tools etc.) ・ Preparation of milling, equipment and tools for the test
Dec. 19 (Thu) 7:30 AM~5:00PM	<b>【Skills Evaluation Trial (SET)】</b> ・ 8:00~9:00 Test of planning practical skill test ・ 9:15~10:55 Theoretical test ・ 13:00~15:20 Creation practical skill test ・ 15:50~ Scoring work, Starting time
Dec. 20 (Fri) 8:30 AM~4:30PM	<b>【Skills Evaluation Trial (SET) &amp; Skills Assessor Certification (SAC)】</b> ・ Scoring work, summary of test results ・ Interview based on assessor check sheet ・ Review and summary

## 3. Reviews

The 4<sup>th</sup> Trial of Sequence Control, 2<sup>nd</sup> grade and Skills Assessor Certification by the SET were carried out. Regarding the certification of the assessors, we judged 5 assessors reached the passing level. Regarding their expertise of Sequence Control, improvement of their understanding ability about assignment and judging ability based on their understanding ability were seen, consequently we judged they reached the passing level, although it took certain time for the preparation for the test. In addition, regarding their expertise of managing test, we judged that they acquired it by confirming that they managed to keep secrecy of test and to operate test without any problems. Regarding the theoretical test in SEM, we added explanation about creation tool and step. Although we assume that the participants will not have any problems with creation questions, we asked for revision for fair implement of the test, being conscious of argument of test questions, along with revision of law and technological development. Creation of practical skill test (both of creation and planning) has not been implemented.

Assessors also requested that they implement it.

Secretariat of SESPP is supposed to have judged that the creation of practical skill test was completed in the training course in Japan, however, regarding unopened test, the target of creation of test assignment has not been achieved both in creation ability and in creation method.

## 4. Results of questionnaire

### <SEM>

◆ Assessors : 5 (Respondents : 5)

Satisfaction level:	Very satisfied = 4	Satisfied = 1	Neither = 0
Usefulness level:	Very useful = 5	Useful = 0	Neither = 0
Needs of continuation:	Must continue = 4	Should continue = 1	Neither = 0

#### 【Meaningful contents】

- To have mastered the method of conducting tests equally and objectively.
- To have come to understand the significance and value of the skills test qualification
- The way of implementation of National Skills Test and Evaluation Criteria
- Review the translation of the test questions.
- To improve abilities and technical skills of assessors.
- Studied how to create test questions.

#### 【Suggestions for improvement】

- Create test questions for sequence control tasks.
- Trials and formal skill tests should be conducted.
- Conducting trade skill tests on a national scale, and obtaining permission to conduct skills tests to our school, Hanoyelectro and Mechanics junior college.
- To introduce us how to create test questions of practical skills test.
- Enhance the technical skills of assessors.
- Getting closer to the level of 1<sup>st</sup> grade
- In order to improve the implementation of skills tests in Vietnam, I would like to receive training course in Japan.

#### 【Preferred training session for the future】

- I would like to take the training course on the skill test of Sequence Control again .  
Then I would like formal skills test on Sequence Control to be implemented.
- Electrical equipment assembly
- Trial and training course with Japanese national standard of Sequence Control 1<sup>st</sup> grade should be provided.
- (Electricity?) Drafting
- Robot Control
- Higher level of sequence control

◆ Manager : 1 (Respondents : 1)

Needs of continuation: Must do = 1

#### 【Requests】

- Since many examinees failed the theoretical test, I would like Japanese experts to give them some advice on how to solve this problem.

#### 【Opinion/comments/preferred training session for the future】

- If possible, I would like to conduct a mechanical inspection. We would to implement Sequence Control and CAD in near future.

#### <SET>

##### ◆Assessors : 5 (Respondents : 4)

Satisfaction level: Very satisfied= 4  
 Usefulness level: Very useful= 4  
 Improvement level of assessment ability: Improved very much=4  
 Needs of continuation: Must continue= 3 Should continue= 1

#### 【Opinion/comments】

- I would like to create questions for the practical test.
- I would like Japanese side to continue to provide training for assessors for our school.

#### 【Preferred training session for the future】

- Sequence Control 1<sup>st</sup> grade
- Mechatronics
- CNC Turning (computer controlled Turning operation)
- CNC Milling (computer numerical control Milling)

##### ◆Examinees : 5 (Respondents : 5)

Satisfaction level: Very satisfied= 2 Satisfied= 2 Not very satisfied = 1  
 Usefulness level: Very useful= 2 Useful= 3  
 Needs of continuation: Must continue= 2 Should continue= 3

#### 【Suggestions for improvement】

- Participation of personnel from more agencies.
- Participants should study for the test before the test.
- To expand the scale of the Trial so that more personnel can take the test.
- I would like translation of the test to be more clearly.

#### 【Opinion/comments/preferred training session for the future】

- I learned a lot. I would like Trial for automation to be implemented.
- I would like Trials for more trades to be implemented.

##### ◆Manager : 1 (Respondents : 1)

Needs of continuation: Must do =1

#### 【Suggestions for improvement】

- Since many examinees failed the theoretical test, I would like Japanese experts to give them some advice on how to solve this problem.

#### 【Opinion/comments/preferred training session for the future】

- If possible, I would like to conduct a mechanical inspection. We would to implement Sequence Control and CAD in the near future.