

SKILL EVALUATION SYSTEM  
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION  
IN VIETNAM**

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Period	Monday, October 25 <sup>th</sup> , 2021 ~ Friday, October 29 <sup>th</sup> , 2021
Venue 【Remote Lecture】	Saigon High-tech Park Training Center (SHTP-TC) Ho Chi Minh city, Vietnam Hachioji City, Tokyo, Japan Studio Always
Training Course	Skills Assessor Training (SAT) & Skill Evaluation Trial (SET)
Trade & Grade	Mechanical Drawing (CAD work) Grade 3

**December, 2021**

# Outline of Results

## 1. Number of participants:

**<SAT>**

**Participants: 12 (including 4 attending online from Hanoi)**

**<SET>**

**Assessors: 12**

**Examinees: 6 / Successful Examinees: 1**

## 2. Schedule

Date	Content
October 25 <sup>th</sup> (Mon) 8:30-16:30 (All local time)	<b>【Skill Assessor Training】</b> Opening ceremony (1) Overview of SESPP (2) About the Japanese skill test (3) Roles and responsibilities of assessors (4) Practical Test question, Test equipment, etc. (5) Checking necessary equipment (6) Practical Test implementation method and precautions regarding test implementation (7) Role Play (as assessors and examinees) Exercises on how to implement Practical Test and Mechanical drawing using Auto CAD
October 26 <sup>th</sup> (Tue) 8:30-16:30	<b>【Skill Assessor Training】</b> (1) Role play (Cont.) (2) Practice Scoring & Evaluation (about scoring items and scoring methods) The scoring items are as follows ①Creation and presentation of shapes ②Filling in dimensions, etc. ③Title block ④Appearance of drawings ⑤Scoring working attitude ⑥Additional scoring (3) Formation of evaluation team and division of roles (4) Checking of test equipment (including USB and printers that can print out A3 paper) (5) Setting up the test site and arranging the equipment Set up the computers to be ready for the test

<p>October 27<sup>th</sup> (Wed) 8:00-17:00</p>	<p>【Skill Evaluation Trial】</p> <p><u>8:00 - 8:20</u> Reception, Opening Ceremony</p> <p><u>8:30 - 12:00</u> Practical Test (6 examinees)</p> <p><u>13:00 - 14:00</u> Theoretical Test (6 examinees)</p> <p><u>14:00 - 17:00</u> Confirmation of drawing data saved by the examinees (The data saved by the examinees on USB)</p> <ul style="list-style-type: none"> <li>· Print out USB data on A3 papers</li> <li>· Preparation for scoring work</li> </ul>
<p>October 28<sup>th</sup> (Thu) 8:30-16:30</p>	<p>【Skill Evaluation Trial】</p> <ul style="list-style-type: none"> <li>· Scoring / Evaluation (Evaluate the following scoring items) <ul style="list-style-type: none"> <li>①Creation and presentation of shapes</li> <li>②Filling in dimensions, etc.</li> <li>③Title block</li> <li>④Appearance of drawings</li> <li>⑤Scoring working attitude</li> <li>⑥Additional scoring</li> </ul> </li> <li>· Prepare a Test result table</li> </ul>
<p>October 29<sup>th</sup> (Fri) 8:30-16:30</p>	<p>【Skill Evaluation Trial】</p> <ul style="list-style-type: none"> <li>· Key points for CAD Mechanical drawing and scoring <ul style="list-style-type: none"> <li>①Frequent mistakes in filling in the dimensions</li> <li>②Frequent mistakes in illustration method</li> <li>③Dimensioning method with datum plane in mind</li> </ul> </li> <li>· Summary</li> </ul>

### 3. Review (by Mr. Yajima)

Continuing to the last year's training course in Hanoi, this time I was invited to take part in a SAT/SET training course in Ho Chi Minh City. I used to provide technical guidance to Japanese companies doing business in Vietnam, so I could tell that the level of the participants was relatively higher. The online participants from Hanoi attended the course enthusiastically, and I am looking forward to their future, considering how they feel when taking the course and the test. In the second training course which will be held in Hanoi soon, by continuing SAT & SET, raising the education level by effectively utilizing the training facilities, and strengthening the technical cooperation with Japan, I hope that we can achieve the synergistic effect of the two economies. However, I was a little disappointed about the participants' lack of punctuality. It is an important point for Vietnamese people to improve particularly when they collaborate with Japanese businesses. And in my upcoming training courses, besides technical lectures, I would like to give advice on this issues as well. Thank you for offering me a valuable experience during COVID-19 pandemic.

### 4. Review (by Mr. Inagawa)

The education of mechanical drawing at universities and vocational colleges in Vietnam is strongly influenced by the technical education of the Russian in last century, i.e. the first angle projection

method. On the other hand, in Japan, mechanical drawings in third angle projection is common. As the matter of fact, at Japanese companies in Vietnam, the employees are re-educated to read and draw mechanical drawings in third angle projection. Considering this background, it is very interesting for me to find out how many examinees could read the task drawing of the Practical Test and finish the drawing assignment correctly in third angle projection.

Regarding the test results of the six examinees this time, six of them pass the Theoretical Test, one examinee passes the Practical Test, and one passes both tests. Regarding the Practical Test, 4 out of 6 examinees are able to read the task diagram and finish with the correct drawing layout.

Regarding the scoring breakdown, 70 - point level: 1 person, 50 - point level: 2 people, 40 - point level: 1 person, unfinished: 2 people.

We find that the examinees generally understand the third angle projection drawing method.

However, they are still lack of knowledge and need further training on many aspects, such as filling in dimensions, representing screws, determining and representing surface texture, etc.

According to Mr. Ban of SHTP-TC, there is a high demand from companies in neighboring industrial parks for mechanical drawing (CAD drawing), and it is a job category enjoys a large number of applicants for skill tests, training courses on this subject provided by SHTP-TC to employees are popular. In order to meet the needs of companies in the Ho Chi Minh City region, SHTP-TC will continue to lay emphasis on this job category in the future.

## 5. Questionnaire Results

### SAT 【Skill Assessor Training】

◆ Participants: 12 (Respondents: 12)

Satisfaction level:	Very satisfied =10	Satisfied =2
Usefulness level:	Very useful =11	Useful =1
Needs of continuation:	Must continue =10	Should continue = 2

#### 【Improvements and proposals】

- SAT should be conducted more online
- I want to improve the general content of Theoretical Test, training content, and how to create Theoretical Test questions
- I hope that I can learn from and pay a visit to an organization that run the trade skill test in Japan
- I want to attend a study tour visiting the trade skill test site in Japan in order to gain experience
- I would like to attend a training course in person after the COVID-19 pandemic is over
- Disseminate to companies for more participation by students and employees

#### 【Opinions / comments / preferred trades for the future】

- CNC Machining
- Taking a skill test on CNC Turning
- Milling
- Sequence control
- Mold Engineering
- CAD Grade 2

- ◆ Manager: 1 (Respondents: 1)  
Needs of continuation: Must continue = 1

**【Improvements and proposals】**

- It turns out that SAT can be done online
- Examinees can take CAD skill test online

**【Opinions / comments / preferred trades for the future】**

- Mold Engineering

**SET 【Skill Assessor Training】**

- ◆ Assessors: 12 (Respondents: 12)

Satisfaction level:	Very satisfied = 9	Satisfied = 3
Usefulness level:	Very useful = 11	Useful = 1
Improvement level:	Much improved = 9	Improved = 3
Needs of continuation:	Must continue = 11	Should continue = 1

**【Improvements and proposals】**

- I want myself to take the test before scoring.

**【Opinions / comments / preferred trades for the future】**

- Mold Engineering
- Sequence control
- CNC Milling, CNC Machining, CNC Maintenance
- Turning

- ◆ Examinees: 6 (Respondents: 6)

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

**【Improvements and proposals】**

- I am very satisfied.
- Provision of hot water and lunches.

**【Opinions / comments / preferred trades for the future】**

- 3D CAD Drawing (3D design)
- Mechanical Inspection

- ◆ Manager: 1 (Respondents: 1)

Needs of continuation: Must continue = 1

**【Improvements and proposals】**

If the Japanese experts could give lecture in person, the training course can be more effective

**【Opinions / comments / preferred trades for the future】**

In the future, I would like to implement training courses on Mechanical inspection, CAD Drawing and Sequence control