

SKILL EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

REPORT ON THE TRAINING SESSION
IN VIETNAM

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Period	Monday, November 29 th , 2021 ~ Friday, December 3 rd , 2021
Venue 【Remote Lecture】	Hanoi Industrial Vocational College (HIVC) Hanoi, Vietnam Hachioji City, Tokyo, Japan Studio Always
Training Course	Skill Evaluation Trial (SET)
Trade & Grade	Mechanical drawing (CAD work) Grade 3

December, 2021

Outline of Results

1. Number of Participants:

<SET>

Assessors: 5

Examinees: 8 / Successful Examinee:0

2. Schedule

Date	Content
November 29 th (Mon) 8:30 - 16:30 (All local time)	【Skill Evaluation Trial】 (1) Explanation on the content and the usage of Practical Test Question Outline (2) Explanation on Implementation Procedure (3) Roles of assessors and confirmation of delegation (4) Formation of evaluation team and division of roles. (5) Role play · Read out loud the article 2. Instruction items of Practical exam question and confirm the part to explain to the examinees. · Confirm the explanation given by assessors on naming method of the drawing data created by the examinee when saving them. (6) Check test equipment based on the Implementation procedure (Including USB and printers that can print out A3 paper) (7) Check necessary equipment (8) Set up the test site and arrangement of equipment Set up the computers to be ready for the test
November 30 th (Tue) 8:00-15:30	【Skill Evaluation Trial】 <u>8:00-8:25</u> Reception, Opening Ceremony <u>8:35-9:35</u> Theoretical Test (First time: 5 examinees) <u>9:40-10:05</u> Reception for Practical Test, Practice CAD operation Practical Test (First time: 5 examinees) <u>10:05-11:35</u> First half 90 min <u>11:35-12:00</u> Lunch Break <u>12:00-13:30</u> Second half 90 min · Check the data saved by examinees (the data saved by examinees on USB) · Print out the USB data on A3 paper.

<p>December 1st (Wed) 8:00-15:30</p>	<p>【Skill Evaluation Trial】 <u>8:00-8:15</u> Reception <u>8:20-9:20</u> Theoretical Test (Second time: 3 examinees) <u>9:20-9:45</u> Reception for Practical Test, Practice CAD operation Practical Test (Second time: 3 examinees) <u>9:50-11:20</u> First half 90 min <u>11:20-11:45</u> Lunch Break <u>11:45-13:15</u> Second half 90 min · Check the data saved by examinees (the data saved by examinees on USB) · Print out the USB data on A3 paper. <u>13:30-15:30</u> Preparation for scoring work Preparation for necessary papers (Answer drawing of practical test, Scoring table by items (Scoring table No.1 to No.5) · Check the progress of scoring work</p>
<p>December 2nd (Thu) 8:00-16:00</p>	<p>【Skill Evaluation Trial】 <u>8:00-10:00</u> · Explanation of the correct method of drawing main projection, right side view, and plan view based on Practical test questions and task drawing; explain the essential points of scoring · Explanation of Scoring procedure <u>10: 15-16: 00</u> Scoring work (evaluate each of the following scoring items) ① Creation and representation of shape, ② Filling in dimensions, etc. ③ Title block, ④ Appearance of drawings ⑤ Work attitude scoring, ⑥ Special scoring Complete scoring the drawings of examinees No. 1 - No. 5</p>
<p>December 3rd (Fri) 8:00-14:00</p>	<p>【Skill Evaluation Trial】 · Scoring work (cont.): Score the drawings of examinees No. 6 - No. 8 · Score the Theoretical test · Prepare a Test result table · Wrap up and Summary of essential points related to scoring CAD drawing</p>

3. Review (by Mr. Yajima)

I gratefully appreciate your all cooperation in having managed to conduct this training course amidst COVID-19 pandemic. It was a pity that all the examinees failed due to circumstances.

In order to continue improving the capability of mechanical drawing in Vietnam, I personally set the new purpose in mind so that all assessors can gain solid skills and knowledge through this course.

Some assessors participating in this training course previously attended the same course in Ho Chi Minh City by online and I thought that they were highly motivated to become instructors.

I hope that they will make use of this experience atmost in the future.

4. Review (by Mr. Inagawa)

(1) Implementation of SET under the influence of COVID-19 pandemic

Due to the influence of COVID-19 pandemic, many restrictions are imposed on the movement of people and the large gathering, we had to change the selection of assessors and the securing of examinees significantly. HIVC has made great efforts in securing 8 examinees just a day before the exam, and divided them into two groups taking the theoretical and the practical test separately. We instructed the assessors to fully understand the confidentiality of the exam questions, take all possible measures to prevent leakage, and implement SET on CAD drawing Grade 3. I think that it was a good opportunity for assessors to recognize that the handling of confidential exam assignment and questions is important in terms of maintaining the reliability, fairness and impartiality of the trade skill test.

(2) Skills level of the examinees for reading and drawing of the mechanical drawings

In this SET on CAD drawing grade 3, there were two examinees who have drawn a main projection drawing, a right side view, and a plan view at a level that can be scored based on the instructions in the test question. I think that the other examinees need more basic training on reading and drawing the mechanical drawings because they are not able to draw the assembly drawing of the task drawing, the cross-sectional view and the outline drawing in accordance with the instruction. In addition, regarding the representation of dimensions such as radius, diameter, and the screw holes or the surface texture, they do not fill in by a method that is stipulated by the ISO standard and JIS standard.

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, employees are re-educated to read and draw mechanical drawings in third angle projection.

In the context of vocational training in vocational college, it is important to strengthen the guidance on reading and drawing the mechanical drawings in third angle projection, and to teach the method of filling in dimensions, screw holes, fitting symbols; representing surface texture and indicating the R in the corners of cast parts based on ISO standards and JIS standards.

5. Questionnaire Results

◆ Assessors: 5 (Respondents: 5)

Satisfaction level:	Very satisfied = 5	Satisfied = 0
Usefulness level:	Very useful = 5	Useful = 0
Improvement level	Much improved = 4	Improved = 1
Needs of continuation:	Must continue = 5	Should continue = 0

【Improvements and proposals】

- I want to participate the training course in person.
- I want more training courses to be conducted (x4)
- In online training courses, it is necessary to set up more camera angles

【Opinions / comments / preferred trades for the future】

- Mechanical Inspection (x5)
- SET on AutoCAD and CAD grade 2
- Plastic Mold Engineering
- Universal Turning

◆ Examinees: 8 (Respondents: 8)

Satisfaction level: Very satisfied = 7 Satisfied = 1
Usefulness level: Very useful = 7 Useful = 0 Neither Very Useful Nor Useful = 1
Needs of continuation: Must continue = 7 Should continue = 1

【Improvements and proposals】

- I hope that more tests (like this) will be conducted continuously.
- I am very happy to take part in the test.
- I want to study measurement.

【Opinions / comments / preferred trades for the future】

- AutoCAD
- Mechanical Inspection
- I hope that skill tests of other trades will be conducted.

◆ Manager: 1 (Respondents: 1)

Needs of continuation: Must continue = 1

【Improvements and proposals】

- I hope that SET on CAD drawing to be conducted twice a year.

【Opinions / comments / preferred trades for the future】

- I hope that the training courses on development of practical test and assessors training on Turning Grade 1 will be implemented
- I hope that the guidance and training on development of theoretical and practical test of CAD Drawing in Japanese style
- I hope that the guidance and training on development of theoretical and practical test of Mechanical Inspection in Japanese style