

SKILL EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION
IN VIETNAM**

Expert	Mr INAGAWA Fumio Technical Adviser of Secretariat of SESPP
Period	Monday, November 22 nd , 2021 ~ Friday, November 26 th , 2021
Venue 【Remote Lecture】	Hanoi, Vietnam Hanoi Industrial Vocational College (HIVC) Hachioji City, Tokyo, Japan Studio Always
Training Course	Skills Evaluation Trial (SET Implemented as Vietnamese National Skills Test)
Trade & Grade	Turning Grade 2 (Vietnamese Level 3)

December, 2021

Outline of Results

1 Number of participants

<SET>

Assessors: 3

Examinees: 9 / Successful Examinees: 4

2 Schedule

Date	Content
Nov. 22 nd (Mon) 8:30 ~ 16:30 (All local time)	<p>【Skills Evaluation Trial as National Skills Test】 Preparation</p> <p>(1) Clean the turning machines, check every part and overall condition of the turning machines at the practice workshop</p> <p>(2) Discussion between assessor team and supervisor team</p> <p>(3) Preparation and inspection of turning tools, measuring equipment, etc.; zero point adjustment of micrometer and cylinder gauge</p> <p>(4) Set up test venue (theoretical test venue, practical test venue)</p> <p>(5) Preparation of necessary items (number vests, armbands, whistle, stopwatches, clipboards, wall~mounted clock, etc.)</p> <p>(6) Confirmation of practical test questions by the assessor team</p>
Nov. 23 rd (Tue) 8:00~14:00	<p>【Skills Evaluation Trial as National Skills Test】</p> <p>9:00 HIVC originally planned to implement this National Skills Test on Turning Level 3 in October and approved by DVET. But due to the spread of COVID~19 infection, HIVC had to postpone to November and proceed the procedure for DVET's approval. However, due to a mistake in terms of procedure, HIVC could not get the approval from DVET prior to the test day, so they changed the start time of the Theoretical test to 13:00 at the same day, and we get that short notice on this happening.</p> <p>9:00 - 12:00</p> <ul style="list-style-type: none"> · Confirmation of examinees based on the examinee list · Assessor team reports to the supervisor team that they get the Theoretical test questions and answer sheets from DVET. · Assessor team and supervisor team check the turning machines and product submission location · The two teams decide that the turning machine to be used in this test are No. 1, 4, 5, 6, 7, and 8 (No.8 is a back-up) As of 12:00, HIVC could not obtain the approval from DVET so they asked DVET for the approval progress, then they got the answer that the approval would be issued by the next morning. <p>We are informed that this National Skills Test on Turning Level 3 is the first skills test of this level to be conducted in Vietnam.</p>

HIVC decides to hold the opening ceremony at 13:00. The assessors explained the above situation to the examinees and informed that the theoretical test would start at 7:30am on the next day.

13:00 Opening ceremony

- Opening remark from HIVC Principal – Ms. Huong, a welcome speech from Mr. Hung, Head of HIVC Machining Department, a remark from Mr. Hoai (HIVC graduate and Canon member) on the behalf of the examinees.
- Introduction of assessor team and supervisor team
- Explanation of precautions regarding the test
- Explanation of the next day's schedule

Nov. 24th (Wed)
7:20~19:30

【Skills Evaluation Trial as National Skills Test】 Theoretical Test & Practical Test

7:20 Reception: The assessor explains the test precautions, opens the envelope containing the Test sheets, and distributes them on the examinee's desk

7:35-9:35 Theoretical test (test time 120 minutes, inclusive of 80 test questions)
9 examinees

9:35-10:15 Scoring (Double checked by Mr. Quyet and Mr. Cuong)

Results of the theoretical test:

Examinees	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9
Score	49	52	51	55	55	52	55	50	69

Passing rate is 60% or more (more than 48 correct answers required) so all examinees are qualified to take the practical test.

10:20 Reception of the first practical test (4 examinees): Examinees wear number vests and draw lots for turning machines allocation

10:40 - 10:55 The examinees practice with the turning machine and do trial cutting

11:00 - 14:00 Practical test (standard time: 3 hours)

- 14:00 Practical test (overall time: 3 hours 30 minutes).

Product completion: 4 examinees

The examinees submit products, the assessors engrave hidden symbols, store the products, clean the turning machines, check the turning tools, etc.

14:50 Reception of the second practical test (5 examinees): Examinees wear number vests and draw lots for turning machines allocation

15:00 - 15:15 The examinees gave an operation exercise and trial cutting

15:20 - 18:20 Practical test (standard time: 3 hours)

-18:50 Practical test (overall time: 3 hours 30 minutes)

Product completion: 4 examinees. Unfinished: 1 person

The examinees submits products, the assessors engrave hidden symbols, store the products, clean the turning machines, check the turning tools, etc.

<p>Nov. 25th (Thu) 8:00—16:30</p>	<p>【Skills Evaluation Trial as National Skills Test】 Scoring work</p> <ul style="list-style-type: none"> · Set up a scoring venue · Product placement and distribution of scoring sheets · Products to be scored: 8 · Scoring items and procedures <ul style="list-style-type: none"> ①Product's appearance (presence of scratches, condition of finished surface, presence of chatter marks, condition of designated chamfer) ②Scoring of thread part (screw fitting, finished surface condition) ③Taper fitting ④Dimensions scoring ⑤Work attitude scoring ⑥Work time scoring · Practical test results: <table border="1" data-bbox="448 680 1465 779"> <thead> <tr> <th>Examinees</th> <th>No.1</th> <th>No.2</th> <th>No.3</th> <th>No.4</th> <th>No.5</th> <th>No.6</th> <th>No.7</th> <th>No.8</th> <th>No.9</th> </tr> </thead> <tbody> <tr> <td>Score</td> <td>75</td> <td>39</td> <td>65</td> <td>53</td> <td>52</td> <td>78</td> <td>29</td> <td>Failed</td> <td>75</td> </tr> </tbody> </table> <ul style="list-style-type: none"> · Passing rate is 60% or more, 4 examinees passed the practical test 4 examinees passed both the theoretical test and the practical test 	Examinees	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	Score	75	39	65	53	52	78	29	Failed	75
Examinees	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9												
Score	75	39	65	53	52	78	29	Failed	75												
<p>Nov. 26th (Fri) 8:00—16:30</p>	<p>General meeting, Compilation of materials and preparation of reports</p>																				

3. Review

(1) About the assessors

This Skills Test on Turning Level 3 (corresponding to Grade 2 in Japan) was conducted in Vietnam for the first time as National Skills Test of this level. I was so impressed to see that the assessors was applying the test implementation methods in proper manner that they have learned through the SAT and SET of training activities on Turning Grade 2 by SESPP. I highly appreciate their scoring work which is done with a thorough understanding of the method and importance of double checking.

(2) About the practical test task and working time:

I was explained that they created the practical test task of Turning(Level 3) by modifying the Japanese test task of Japanese Turning(Grade 2) to fit the actual situation in Vietnam.

Only eccentric cutting was omitted, all other element works (taper fitting, thread cutting, grooving, fitting of parts ① and ②) were the same as Japanese (Grade 2), and dimensional tolerances is slightly larger. The standard test time is 3 hours, and overall test time is 3 hours and 30 minutes, which seemed reasonable considering the difficulty of the task. 8 out of 9 examinees completed the products within the overall time, and 4 of them get the passing grade. This fact proves that the test time is appropriate in terms of the task's difficulty degree.

(3) About the pass rate of the test

The pass rate of Japanese skills test Grade 2 is 25% to 35%, and qualification with this range of passing rate is highly trusted by stakeholders. So, judging from the results of the exam this time, 100% of the pass rate for the theoretical test, the questions were too easy. I would say that the review of the test questions is necessary by analyzing the test results. On the other hand, the pass rate of the practical test

was 44%, which seems reasonable for the first test. A qualification with an unusually high pass rate are often determined worthless and less evaluated by stakeholders, which would hinder the expansion and increase of the skills tests.

For your reference the pass rate of the Japanese skills test is about 15 - 25% for special Grade, 20 - 30% for Grade 1, 25 to 35% for Grade 2, and 50 to 65% for Grade 3. This rate is crucial in maintaining the value of the qualification and high evaluation by stakeholders. This could be applicable in Vietnam as well, I would recommend Vietnam to continue their efforts in reviewing the exam questions in order to maintain an appropriate pass rate by analyzing the feedback and exam results from the assessment centers. This is my findings as an expert which I shared at the wrap-up meeting where the supervisor team, evaluator team, and technical support staff were present.

The chairman of the meeting acknowledged and confirmed that he would report my comment to DVET.

4. Questionnaire Results

SET 【Skill Evaluation Trial】

◆ Assessors: 3 (Respondents: 3)

Satisfaction level:	Very satisfied = 2	Satisfied = 1
Usefulness level:	Very useful = 3	Useful = 0
Improvement level:	Much improved = 3	Improved = 0
Needs of continuation:	Must continue = 3	Should continue = 0

【Improvements and proposals】

- N/A.

【Opinions / comments / preferred trades for the future】

- Mechanical Inspection
- I would appreciate if SET on Turning Grade 1 can be implemented at HIVC
- Turning Level 3 (Grade 2)

◆ Examinees: 9 (Respondents: 9)

Satisfaction level:	Very satisfied = 8	Satisfied = 1
Usefulness level:	Very useful = 9	Useful = 0
Needs of continuation:	Must continue = 9	Should continue = 0

【Improvements and proposals】

- I would appreciate if more skills tests can be implemented
- I would appreciate longer practice time
- I would appreciate if more skills tests like this can be implemented in order to enhance the skills of Vietnamese workers
- I want skills test with higher-quality and large-scale to be implemented more often
- I am satisfied, just like this is fine
- I want to practice more

【Opinions / comments / preferred trades for the future】

- Turning (2)
- Milling (2)
- CNC Turning (3)
- CNC Machining, Mechanical Machining

◆ Manager: 1 (Respondents: 1)

Needs of continuation: Must continue = 1

【Improvements and proposals】

- I would appreciate if Japanese side could continue your support to enhance the skills and knowledge for HIVC's assessors

【Opinions / comments / preferred trades for the future】

- I would appreciate if Japanese side could continue to implement SAT/SET on CAD Drawing and Mechanical Inspection at HIVC