SKILL EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

REPORT ON THE TRAINING SESSION IN VIETNAM

Expert	Mr. INAGAWA Fumio Technical Advisor of Secretariat of SESPP
Period	Monday, November 8th, 2021 ～ Friday, November 12th , 2021
Venue 【Remote Lecture】	Vinh Long, Socialist Republic of Vietnam Vinh Long University of Technology and Education (VLUTE) Hachioji City, Tokyo, Japan Studio Always
Training Course	Skills Evaluation Trial (SET as Vietnam National Skills Test
Trade & Grade	Turning, Grade 3 (Level 2 in Vietnam)

November 2021

Outline of Results

1. Number of Participants
<SET>
Assessors: 3
Examinees: 8 / Successful examinees: 0

2. Schedule

Date & Time	Contents
Nov. 8th (Mon) 8:30～16:00 (All local time)	【Skill Evaluation Trial as National Skills Test】- Preparation (1) Cleaning and checking of the condition of the turning machine, inspecting each part at the training room (2) Preparation and inspection of tool bit(cutting tools), measuring instruments, etc. (3) Setting up of examination venues (for both theorical test and practical test) (4) Preparation of necessary equipment, etc. (5) Checking of practical test questions by the assessor team (6) Examination of practical test time (working time)
Nov. 9th (Tue) 8:30～16:30	【Skill Evaluation Trial as National Skills Test】 - Theorical Test 8:30～8:45 Open the envelope received from DVET (Department of Vocational Training), take out the theorical test questions, and check to see if any missing questions and unclear parts in printing. 8:45～9:00 Reception, Opening ceremony ・Read out the MOLISA decision letter, which is the basis for the implementation of this National Skills Test. ・Read out the members' name of the test steering committee ・Read out the decision letter regarding the launch of the superviser team ・Read out the decision on the launch of the assessor team ・Read out the decision regarding the launch of the technical support team ・Explain the test schedule 9:00～11:00 Theorical test (examinees: 8 people) Exam time: 120 minutes, number of exam questions: 80 questions 13:30～15:30 Theorical test scoring ・ Once completion of scoring, inform the examinee of the test results ・ All 8 examinees passed the theorical test

Nov.10th (Wed) 7:30～18:00	【Skill Evaluation Trial as National Skills Test】Practical test 7:35 ・ Reception, Allocation of a turning machine by drawing lots, declaration and checking of cutting tools, Practice (Trial of machine operation and cutting) 18:30-11:45 ・ Practical test (examinees: 4 people) ・ Standard time: 2 hours 45 minutes, censoring time: 3 hours 15 minutes 13:30～ ・ Reception, Allocation of a turning machine by drawing lots, declaration and checking of cutting tools, Practice (Trial of machine operation and cutting) 14:25-17:40 ・ Practical test (examinees: 4 people)
Nov. 11th [(Thu) 8:30～16:30	【Skill Evaluation Trial as National Skills Test】Scoring Work ・ Setting up a venue ・ Arrangement of the finished products and scoring sheet ・ No of products to be scored: 4 ・ Scoring items and procedures ①Product appearance (whether there are scratches, finished surface condition, chattering presence / absence, designated chamfering condition) ②Threaded part scoring (screw rounded up condition, finished surface condition) ③Taper fitting ④Dimension scoring, ⑤Scoring of work attitude, ⑥Scoring of working time ・Preparation of test result table ・All 8 people failed the practical test
Nov.12th (Fri) 8:30～16:30	【Skill Evaluation Trial as National Skills Test】Summary 8:30～11:00 ・Submit to DVET at the evaluation center ・Collection of materials and preparation of reports for submission 15:30～16:30 ・ Summary meeting by supervisor team

3. Review

(1) Extension of working time

In Vietnam, the assessor team can extend the working time (test time) if agreed by discussion with 3 assessors after examining the condition of the turning machines and the level of difficulty of the practical test. It is said that the outline of DVET also stipulates that it can be extended by up to 30 minutes.

This time round, with the agreement by 3 assessors, the standard time was extended by 15 minutes to 2 hours and 45 minutes, and the cutoff time to 3 hours and 15 minutes.

This means that each Assessment center can set the different working time limit respectively, which would affect the level of completeness of the product. I presume that this may greatly affects the passing rate of the test.

In Vietnam's National Skills Test, we often see test results with a passing rate of as much as 90% or more. It appears that such a flexible response to test time contributed to the unusually high pass rate.
Test criteria and scoring criteria should be modified or changed based on analysis of the data and test results feedback from the test site, therefore, such discretion by each Assessment Center may cause impairing the reliability of the test

(2) How to carry out the test

I was impressed that their way of conducting the practical test, which went smoothly overall by applying the Japanese way in terms of a series of work, from checking-in of examinee to the start of the test, work attitude scoring during the test, working time checking, scoring work of the fineshed products and their storage. However, during the scoring work, the double-check was not conducted. I explained how important the double check was to prevent mistakes, which should be done by having 2 assessors to score and measure separately and compare their values to see if they matic and confirm. I clarified that it was not a proper double-check to check the measured value 2 assessos together or to check the indicated value of the micrometer measured by one assessor.

(3) Practical test tasks

Although the dimensional tolerance is a little larger than the 3rd grade task in Japan, it can be said that the test task was quite difficult because it includes such work as groove-cutting, taper-fitting, and thread cutting. I felt that it would be difficult to finish the task within the standard time without a sufficient practice. This time, 4 examinees completed the task, but all of them exceeded the standard time and completed within the censoring time.

(4) About safety work

I noticed that a number of examinees wore the gloves when handling workpieces during work, however, in Japan it is strictly prohibited to wear gloves as there is a risk of getting them caught in rotating workpieces. I advised them to use a waste rag instead, and also when handling hot workpieces.
I also noticed that the several examinees were working with the chuck handle kept attached to the chuck when setting/removing the workpieces. If this becomes their habit it is very dangerous, so I suggested the assessors to deduct the points when they witness such an action upon checking ‘work attitude’.

4. Questionnaire Results

<SAT>

◆Assessors: 3 (Respondents: 3)

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

【Improvements and Proposals】

- Deduction points is too severe to pass the exam.
- If the equipment requirements are met, we would like SESPP to be implemented at other facilities as well

- I want the examination time to be adjusted more appropriately
- I rather the test assignment to be something more practical and usable
- I want you to make a question bank so that workers can learn by themselves

【Opinions / comments / preferred trades for the future】
- Turning
- CNC metal cutting
- Automation
- I want to join SAT / SET next time

◆Examinees: 8 (Respondents: 8)

Satisfaction level:	Very satisfied =8	Satisfied =0
Usefulness level:	Very useful =8	Useful =0
Needs of continuation:	Must continue =7	Should continue=1

【Improvements & Proposals】
- No improvement is necessary since the program is well made
- The task meets Level 2 requirements

【Opinions / comments / preferred trades for the future】
- Machining
- Turning
- Machining
- Turning 1st grade
- CNC milling machine

◆Manager:1 (Respondents: 1)

Needs of continuation: Must Continue =1

【Improvement Points and Suggestions】

Develop a clearer evaluation process and give advice from experts in advanced technology countries

【Opinions / comments / preferred trades for the future】

Various metal cutting with CNC automatic turning