

SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION
IN VIETNAM**

Experts	Mr. INAGAWA Fumio / Technical Advisor, SESPP Secretariat
Period	Tuesday, March 2, 2021 ~ Friday, March 5, 2021
Venue 【Remote lecture】	Hanoi Institute of Technology (HIVC)(Hanoi, Vietnam) Studio Always (Hachioji, Tokyo, Japan)
Training course	Skills Evaluation Trial (SET)
Trades & Grade	Turning 2nd Grade

March, 2021

Outline of Results

1. <SET>

Number of assessors: 6

Number of examinees: 7 / Number of successful examinees: 2

2. Schedule

Date & Time	Contents
Mar. 2nd(Tue) 8:00~14:30	【Test preparation (Work preparation)】 ① Explain the 4-day training schedule ② Create a role division table for trials ③ Making of the timetable for the practical test Making of the work content and time allocation table for each process from the beginning to the end ④ Move to the training venue to set up and prepare the equipment for the test ⑤ Preparation and check of necessary equipment ⑥ Check and prepare the required documents and number of copies for the test ⑦ Set up the theoretical test venue
Mar. 3rd(Wed) 8:00~17:20	【Opening ceremony】 【Theoretical test】 (No. of Examinees: 7) 【Practical test】 (No. of 1st group of Examinees: 4) · Standard end time (3H) No. of Examinees completed: 2 · Practical test ended: Maximum time (3.5H) No. of Examinees completed: 2 【Clean and tidy up, Preparing for next day】 · Questionnaire
Mar. 4th(Thu) 7:55~16:15	【Practical test】 (No. of 2nd group of Examinees: 3) · Standard end time (3H) 2 complete the task · Practical test ended: Maximum time (3.5H) No. of Examinees completed:1 【Clean and tidy up, Preparing for next day】 · Questionnaire
Mar. 5th(Fri) 8:30~13:30	【Scoring and summary】 ① Scoring by visual assessment ② Scoring by measurement ③ Scoring by working attitude and time ④ Score entry to a table(with double-checking) ⑤ Marking of Theoretical test ⑥ Completion of Final-scoring ⑦ Questionnaire

3. Reviews

Among 7 examinees of this practical test, 3 completed within the standard time, 3 completed within the maximum time, and 1 could not complete the task.

There are 4 examinees whose points were deducted because of their inaccuracy of dimensional tolerance, which seems to me that they didn't practice good enough. In Japan, to pass the practical test on Turning 2nd grade, even those who have sufficient experience do practice 5 to 6 times prior to the test and only 30% of them can get successful score. More and more practice based on standard manual is required to get higher number of successful examinees.

I was impressed by the fact that there were assessors who applied what they had learned from the Japanese experts and carried out and operated on the practical exams and actual scoring work with their own ingenuity. On the other hand, some are not doing well, which made me think that the big gap has been widened between them over the years.

During the scoring work, it was often found that the selection of measuring instruments was not appropriate, therefore explained the reason and gave an instruction how to select them correctly.

For instance,

- ① Dial gauge: There are 2 types of shafts to be attached to the columns. Select the round bar types rather than the flexible types as higher rigidity is more important than ease of handling.
- ② Use of precision surface plate: Be sure to measure the parallelism and eccentricity of the product on a precision surface plate not on a parallel plate. As its working area is so limited and the placement of the product is likely unstable, that makes 0.01mm accurate measurement difficult.
'Precision surface plate' is much heavier than 'Parallel plate', so be careful when you handle/carry them. On the hand, the lighter weight of 'Parallel plates' is easy to carry, however, do not select tools just because their handiness and convenience. When you select the measuring tools/aids, get back to the principles of precision measurement in mind.

2. Results of questionnaire

<SET>

◆Assessors : 6 (Respondents : 6)

Satisfaction level	Very satisfied =5	Satisfied =1	Neither =0
Usefulness level	Very useful =5	Useful =1	Neither =0
Improvement level	Very Improved =4	Improved =2	Neither =0
Needs of continuation	Must continue =5	Should continue=1	Neither =0

【Suggestions for improvement】

- Request to carry out SET in Japan.
- Request to implement the program in other regions to improve an experience of the skill test.

【Opinions / comments / preferred training session for the future】

- Mechanical design and CAD (3)
- Turning (3)
- CNC (2)
- Mechanical Measurement
- Milling machine
- Industrial electricity
- Industrial electronics
- Automotive technology

◆ Examinees : 7 (Respondents :7)

Satisfaction level	Very satisfied =6	Satisfied =1	Neither =0
Usefulness level	Very useful =7	Useful =0	Neither =0
Needs of continuation	Must continue =7	Should continue =0	Neither =0

【Suggestions for improvement】

- Want to participate in the test, so please do it again.
- Next time, request to conduct a Turning 2nd grade skill test in the northern province of Vietnam.
- Want to participate Turning 2nd grade or higher test to gain experience.
- If possible, would like to participate in other types of test.

【Opinions / comments / preferred training session for the future】

- Turning(4)
- Milling machine
- CNC
- Mechanical Measurement (2)