

SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)
**REPORT ON THE TRAINING SESSION
IN CAMBODIA**

Experts	Mr. UCHIYAMA Hiromasa, Mr. MASUKO Toshiya Japan Institute of Plant Maintenance
Period	Monday, January 18, 2021 ~ Friday, January 22, 2021
Venue 【Remote lecture】	Phnom Penh City, Kingdom of Cambodia National Technical Training Institute (NTTI) Hachioji City, Tokyo, Japan Studio Always
Training course	Skills Evaluation Method (SEM), Skills Evaluation Trial (SET)
Trade & Grade	Electrical System Maintenance 3rd Grade

March, 2021

Outline of Results

1. <SEM>

Number of participants: 8 / Number of completed participants: 7

<SET>

Number of assessors: 8

Number of examinees: 8 / Number of successful applicants: 0

2. Schedule

Date & Time	Contents
Jan. 18 (Mon) 8:30~16:00	【Skills Evaluation Method (SEM) Day1】 <ul style="list-style-type: none"> · Opening ceremony · Explanation about the program schedule · Identifying the problems with the previous two SETs and the countermeasures · Assign a chief of SET for FY2020 (Followings to be directed by the chief) · Assign roles, etc. · Check equipment and materials and imperfect setting
Jan. 19 (Tue) 8:30~16:00	【Skills Evaluation Method (SEM) Day2】 <ul style="list-style-type: none"> · Cleaning & inspection of electric board · Wiring of assignment 2 · Imperfect line setting, preparation of relay timer · Preparation of venue, equipment and supplies for examinees · Final checking of operation
Dec. 4 (Wed) 8:30~16:30	【Skills Evaluation Trial (SET) Day1】 <ul style="list-style-type: none"> · Theoretical test (9:00~10:10) · Practical test (1st / 10:30~14:30: including lunch time) · Scoring & evaluation of theoretical & practical tests · Review and points to be improved for Day 4 · Preparation of equipment
Dec.5 (Thu) 8:30~16:30	【Skills Evaluation Trial (SET) Day2】 <ul style="list-style-type: none"> · Practical test (2nd / 9:30~11:30) · Scoring & evaluation of practical test · Tidying up equipment · Feedback and feedforward
Dec.6 (Fri) 8:30~16:30	<ul style="list-style-type: none"> · Points on preparing of practical test assignment · Examine how to conduct practical test · Guideline for rating of practical test · Closing ceremony

3. Reviews

<Mr. UCHIYAMA>

This was the first remote lecture due to the impact of COVID-19, but it was a good opportunity to check the SAT / SEM performance. The assessors improved on their own experience and completed two SETs. This time, the "Skills Assessor Certification (SAC)" was postponed, but I hope it can be implemented at an early stage.

<Mr. MASUKO>

I feel that this remote training has become possible because of the past two onsite trainings. In particular, I would like to express my gratitude to the people of JICA Cambodia for their efforts during the program. With regard to the operation of the skills test, the assessors have reached a sufficient level, and there is enthusiasm for the establishment of the national certification in Cambodia. We look forward to its future development. There is also a strong desire to step up to the advanced level (Level 2, Level 1), so I would like to expect the support by all the parties concerned.

4. Results of questionnaire

<SEM>

◆Participants8 : Respondents 8

Satisfaction level:	Very satisfied =7	Satisfied =1	Neither =0
Usefulness level	Very useful =6	Useful =2	Neither =0
Needs of continuation:	Must continue =7	Should continue =1	Neither =0

【Meaningful contents】

- Exercise
- All the content of the training is important and useful.
- Important points about assembling the test board
- About crimping, operation check, and evaluation of crimp terminals
- Trial preparation, test questions creation, scoring, time management in the event of a power outage, etc.
- Assessors' roles

【Suggestions for improvement】

- Request to increase the exercise time
- Add important points and methods when creating test questions
- Request to establish testing centers in Cambodia
- I would like the Japanese government to support the establishment of a testing center in Cambodia, and also request to conduct 2nd grade training.
- I will support the results discussed in the development of standards.

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

- Sequence Control 2nd grade
- Electrical System Maintenance 2nd grade
- Electrical wiring work 2nd grade
- Power Distribution and Control Panel Assembly grade
- Pneumatic system
- Motor maintenance work
- All the job trades related to the electrical field

◆Manager

Needs of continuation: Must continue =1

【Suggestions for improvement】

- Hope to have continued cooperation and support.

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

- Hope to have continued support for higher grades in the same job trade.

<SET>

◆Assessors : 8 (Respondents : 8)

Satisfaction level:	Very satisfied = 7	Satisfied = 1	Neither = 0
Usefulness level:	Very useful = 7	Useful = 1	Neither = 0
Improvement level:	Very improved = 8	Improved = 0	Neither = 0
Needs of continuation:	Must continue = 7	Should continue = 1	Neither = 0

【Suggestions for improvement】

- Request to make the scoring items of the practical test easier to understand

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

- Sequence Control 2nd grade
- Electrical System Maintenance 2nd grade
- Motor maintenance work
- Industrial equipment maintenance
- Pneumatic system
- Power Distribution and Control Panel Assembly 2nd grade
- Human Machine Interface (HMI) and PLC

◆Examinees : 8 (Respondents :8)

Satisfaction level:	Very satisfied = 5	Satisfied = 3	Neither = 0
Usefulness level :	Very useful = 5	Useful = 3	Neither = 0
Needs of continuation:	Must continue = 5	Should continue = 3	Neither = 0

【Suggestions for improvement】

- Prior training required before the test
- Request to continue the implementation of this trade (2)
- Gratitude for conducting this training and would like to participate again next year.
- Time is too short

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

- Electrical System Maintenance
- Electrical System Maintenance 2nd grade
- Feedback control
- Electrical maintenance for motor control
- Motor control, Plumbing
- Fire alarm system
- PLC

◆Manager

Needs of continuation: Must continue = 1

【Suggestions for improvement】

- Hope to have continued cooperation and support.

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

- Hope to have continued support for higher grades in the same job trade.