SKILLS EVALUATION SYSTEM PROMOTION PROGRAM（SESPP）

REPORT ON THE TRAINING SESSION IN CAMBODIA

Experts	Mr. MASUKO Toshiya / Japan Institute of Plant Maintenance
Period	Monday, January 9, 2023 ～ Friday, January 13, 2023
Venue	Phnom Penh City, Kingdom of Cambodia National Technical Training Institute (NTTI)
Training course	Skills Assessor Training (SAT)・Skills Evaluation Trial (SET)
Trade & Grade	Electrical System Maintenance, Grade 2

February, 2023

Outline of Results

1. Number of Participant

<SAT>
Participants: 7 / Completed participants: 7

<SET>
Assessors: 7
Examinees: 3 / Successful applicants: 0

2. Schedule

Date & Time	Guidance content
Jan. 9th (Mon) 8:30 ～ 16:30 (All local time)	[Skills Assessor Training] ① Opening ceremony ② Self-introduction of the assessors, explanation of the overall schedule ③ Designate chief assessor ④ Explain test procedures to assessors and examinees * Distribute the handouts (the published materials) and explain their contents (Hereafter assessors only) ⑤ Confirm test implementation guideline and scoring guideline ⑥ Confirm equipment and materials, etc. ⑦ Review of the day, Q&A, schedule confirmation for the coming days, cleaning work
Jan. 10th (Tue) 8:30 ～ 16:30	[Skills Assessor Training] ① Confirm the preparation schedule, etc. ② Clean and check the equipment such as test kit ③ Wiring – Task 1 ④ Wiring – Task 2 ⑤ Build a defect line, prepare relay timers and supply items ⑥ Review of the day, Q&A, cleaning work
Jan. 11th (Wed) 8:30 ～ 16:30	[Skills Assessor Training] ① Task 1: Create program and install in all the equipment (upload) ② Task 1: Practice how to create a written instruction of movement check procedure ③ Task 1: Practice scoring ④ Prepare equipment and venue, confirm the implementation ⑤ Review of the day, Q&A, cleaning work
Jan. 12th (Thu) 8:30 ～ 16:30	[Skill Evaluation Trial] ① Final briefing before the trial ② Prepare the practical test ③ Reception of examinees and explanation of test rules ④ Task 1 implementation (standard time: 10:25, maximum time: 10:30)

	⑤ Task 2 preparation ⑥ Task 2 implementation (standard time: 11:40, maximum time: 12:00) ⑦ Written test preparation and explanation of test rules ⑧ Written test (100 minutes, examinees can leave after 13:45) ⑨ Questionnaire survey for examinees ⑩ Scoring the written test and practical test ⑪ Review of the day, Q&A, cleaning work
Jan. 13th (Fri) 8:30 ～ 15:00	[Skills Assessor Training] ① Practice how to create practical test questions, etc. ② Summary and Wrap-up ③ Venue removal and cleaning work ④ Perform maintenance, cleaning, and tidying up the examination equipment, etc., review the room for improvement for the next training activity, etc. ⑤ Questionnaire survey for participants and assessors ⑥ Questionnaire survey for local manager ⑦ Closing ceremony (presentation ceremony of commemorative gift)

3. Review

We have been conducting online courses for the past two years, but this time we were able to make it happen on-site. To convey technical content and exchange opinions, I think that it is necessary to implement face-to-face training activities.

For the practical test Task 1, it is about relay sequence in the Grade 3 Test that we have implemented so far, but Grade 2 test is about wiring using PLC. In this training course, we focused on this practical part and conducted lectures and practical training sessions to make the participants get used to it.

Compared to Grade 3 test, Grade 2 test has more theoretical questions and requires more detailed knowledge, so it is necessary for the assessors to further improve their techniques and skills. In the future, through lectures focusing on the scope and details of examination subjects, participants aim to reach a level where they can create their own theoretical and practical questions by themselves and become internationally recognized assessors. Furthermore, we hope that this skill test, which evaluates maintenance skills, will be approved as a national skill certification test in Cambodia as well.

4. Questionnaire results

＜SAT＞

◆ Participants (7 respondents)

Satisfaction level:	Very satisfied = 6	Satisfied = 1
Usefulness level:	Very useful = 5	Useful = 2
Needs of continuation:	Must continue = 6	Should continue = 1

【Improvements and proposals】

・How to create theoretical exam questions (2)

・I would appreciate if Japanese experts could continue to conduct training in Cambodia.
・I would be grateful if you could have the test documents and questions translated in a way that is easier to read and understand.

【Opinions, comments, and preferred trades for the future】
・Electrical maintenance job trade (2)
・Mechatronics
・I would appreciate if you could continue up to Grade 1 of this job trade. (2)
・Skills assessor training for pneumatic system maintenance

◆ Manager: 1 (1 respondent)
・Needs of continuation: Must continue = 1

【Improvements and proposals】
・Capacity building for assessors

【Opinions, comments, and preferred trades for the future】
・If the assessors have reached the required level, I am looking forward to the training course on Grade 1.
・Training courses on new job trades, such as Information network cabling, Machine maintenance and Production line

＜SET＞
◆ Assessors: 7 (7 respondents)

Satisfaction level:	Very satisfied = 6	Satisfied = 1
Usefulness level:	Very useful = 5	Useful = 2
Ability improvement:	Much improved = 5	Improved = 2
Needs of continuation:	Must continue = 5	Should continue = 2

【Improvements and proposals】
・I would appreciate if you could teach me how to create theoretical test questions. (2)
・I would be grateful if the Japanese experts could continue to conduct training courses in Cambodia.
・I would appreciate if you had the test documents and questions translated in a way that is easier to read and understand.
・I am looking forward to the training course on Grade 1.

【Opinions, comments, and preferred trades for the future】
・I would appreciate if you could continue this training activity. (2)
・I would appreciate if you could continue to Grade 1. (2)
・Mechatronics
・Skill assessor training for pneumatic system maintenance

◆ Examinees: 3 (3 respondents)

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

【Improvements and proposals】

・I would appreciate if you could continue next year.

【Opinions, comments, and preferred trades for the future】

・Electrical system maintenance
・Maintenance
・Feedback control system

◆ Manager: 1 (1 respondent)

Needs of continuation: Must continue = 1

【Improvements and proposals】

・The training course is very good.
・I would appreciate if you could explain the evaluation method and test preparation in detail.

【Opinions, comments, and preferred trades for the future】

・ Machine maintenance, production line