

SKILLS EVALUATION SYSTEM  
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION  
IN CAMBODIA**

Experts	Mr. KOIZUMI Takafumi / Kandenko Co., Ltd. Mr. OTA Yasuhiro / Sumitomo Electric Industries, Ltd. Mr. SAKAMOTO Yasuhiro / Sumitomo Electric Industries, Ltd. Mr. MAEDA Yosuke / MIRAIT Technologies Corporation
Period	Monday, February 28, 2022 ~ Friday, March 4, 2022
Venue 【Remote lecture】	Phnom Penh City, Kingdom of Cambodia National Polytechnic Institute of Cambodia (NPIC) Hachioji City, Tokyo, Japan Studio Always
Training course	Assessment & Marking Method (AMM)
Trade & Grade	Information Network Cabling

**March 2022**

# Outline of Results

## 1. Number of Participant

**Participants: 6 / Completed participants: 6 / Observers: 4**

## 2. Schedule

Date & Time	Contents
Feb. 28 <sup>th</sup> (Mon) 8:00~16:00 (All local time)	<p><b>【AMM: Assessment &amp; Marking Method】</b></p> <p>①Check internet connection</p> <p>②Introduction</p> <p><u>Mr. UCHINO Tomohiro</u>, Japan Overseas Cooperation Volunteers Specialist, Japan Overseas Cooperation Volunteers, Ministry of Health, Labor and Welfare</p> <p><u>Mr. KOIZUMI Takafumi</u> (Deputy manager(Skills), Engineering &amp; Planning Department, Construction Quality Unit, Social Infrastructure Division, Kandenko Co., Ltd.)</p> <ul style="list-style-type: none"> <li>• Information Network Cabling special skill test commissioner</li> <li>• Grade 1 Information Network Cabling technician</li> <li>• Manufacturing Meister</li> <li>• WorldSkills instructor</li> </ul> <p><u>Mr. OTA Yasuhiro</u> (Precision Mechatronics Department, Lightwave Network Products Division, Infocommunications Business Unit, Sumitomo Electric Industries, Ltd.)</p> <ul style="list-style-type: none"> <li>• Chief instructor for the workshop of Optical fiber connection technology</li> <li>• WorldSkills assistant instructor</li> </ul> <p><u>Mr. SAKAMOTO Yasuhiro</u> (Assistant Manager, Precision Mechatronics Department, Lightwave Network Products Division, Infocommunications Business Unit, Sumitomo Electric Industries, Ltd.)</p> <ul style="list-style-type: none"> <li>• Sales technology for Optical fiber fusion splicer and related products</li> </ul> <p><u>Mr. MAEDA Yosuke</u> (Kansai HTP, HTP Center, HRD Division, MIRAIT Technologies Corporation)</p> <ul style="list-style-type: none"> <li>• WorldSkills instructor</li> <li>• Grade 1 Information Network Cabling technician</li> </ul> <p>③Introduction of SESPP's objectives (SESPP Secretariat)</p> <p>④Introduction of skill competition: The overview of WSC, ASC and Japan National Skills Competition (Mr. Koizumi)</p> <p>⑤Introduction of the tasks of "Information Network Cabling" skills test (Mr. Koizumi)</p> <p>⑥Explanation of technical standards for LAN connection (Mr. Maeda)</p> <p>⑦LAN connection practice (Assembly of CAT 5e plug and jack) (Mr. Maeda)</p> <p>⑧Q &amp; A, confirmation of next day's schedule</p>

<p>Mar. 1<sup>st</sup> (Tue) 8:30~16:00</p>	<p>【AMM: Assessment &amp; Marking Method】</p> <p>①Check internet connection</p> <p>②Theory of optical communication (the outline of optical communication, types of connector and polishing, types of cable, fiber loss, etc.) (Mr. Ota)</p> <p>③Optical fiber connection practice (fusion connection) (Mr. Sakamoto)</p> <p>④Q &amp; A, confirmation of next day's schedule</p>
<p>Mar. 2<sup>nd</sup> (Wed) 8:30~15:30</p>	<p>【AMM: Assessment &amp; Marking Method】</p> <p>(* Lecturer in charge: Mr. Maeda)</p> <p>①The fundamental principles and assembly of on-site assembly SC connector</p> <p>②Fiber's bending loss and fiber storage</p> <p>③Coaxial cable structure and F-type connector assembly</p> <p>④Q &amp; A, confirmation of next day's schedule</p>
<p>Mar. 3<sup>rd</sup> (Thu) ~ 4<sup>th</sup> (Fri.) 8:30~15:30</p>	<p>【AMM: Assessment &amp; Marking Method】</p> <p>(* Lecturer in charge: Mr. Koizumi, Mr. Maeda)</p> <p>Consideration and creation of skill competition's implementation guidelines (including skill competition content, evaluation, equipment list)</p> <p>①Challenge the tasks of skill competition</p> <p>②Consideration and creation of implementation guidelines</p> <p>(Remarks: The competition tasks are assumed to be arranged as follows)</p> <ul style="list-style-type: none"> <li>· Metal cable connection: tasks of Skill test Grade 2, speed competition</li> <li>· Optical fiber connection: The best student deciding match in Japan</li> </ul> <p>③Closing ceremony</p>

### 3. Reviews

<Mr. Koizumi>

Regarding practical skill evaluation, the overall workmanship is good, and I can see that the participants have experienced (practiced) to some extent. If we evaluate strictly, we could deduct more points and the participants can barely pass the test. However, there are several positions where it is difficult to judge online, so the participants can improve by working carefully and carefully under the onsite guidance.

Since I have experience in activities in Nepal as a member of the cooperation team, I would like to cooperate with international support scheme like this training, including onsite support.

<Mr. Ota>

Information Network Cabling is an important technology in building major infrastructure equipment that supports the current information network society. The participants should perform the test tasks carefully and firmly to improve the quality.

<Mr. Maeda>

As far as I observe the practical work online, I can see that the practical level of the participants is relatively high, equivalent to Grade 3. I have been trained as a competitor before becoming a skill competition instructor, so I want to be an instructor who understands the perspective and feelings of the competitors. Upon your request, I would like to support onsite so that I can make use of my experience and skills.

## 4. Questionnaire results

### ◆Participants: 6, Observers: 4 (Respondents: 10)

Satisfaction level:	Very satisfied = 7	Satisfied = 3	
Usefulness level:	Very useful = 8	Useful = 2	
Needs of continuation:	Must continue = 6	Should continue = 4	
Improvement level:	Much improved = 3	Improved = 6	Neither = 1

#### 【Improvements and proposals】

- I would be grateful if you could prepare sufficient equipment (3)
- I would be grateful if you could extend the training time
- There was only one fusion splicer, so I wish we had been fully equipped
- Everything was good (2)
- There were not enough fusion splicers.
- Thank you for sharing your knowledge and experience

#### 【Opinions / comments / preferred trades for the future】

- Information Network Cabling
- SCADA (Supervisory Control And Data Acquisition) System, Pneumatic Control, Automation System (2)
- Sensor & alarm system
- OLT (Optical Line Terminal) settings, SOHO, CCNA Routing and Switching, Wi-Fi, Security CCTV
- SCADA system (2)

### ◆Manager: 1 (Respondents: 1)

Needs of continuation: Must continue = 1

#### 【Improvements and proposals】

- Equipment setup should have been done sooner.

#### 【Opinions / comments / preferred trades for the future】

- SCADA system