End of Training Report

ITU CIS Centres of Excellence Face-to-face Training on
Technical Organization of Broadband Access
Bishkek, Kyrgyz Republic, 17-20 May 2016

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20 May 2016

Training Programme Structure

The objectives of the trening were to equip participants with understanding of technical organization of broadband access, relating in particular to the construction of modern broadband networks and development of wireless broadband wireless systems and to enable participants to contribute to further development of broadband access.

This training aimed to introduce participants to the problematics of electromagnetic compatibility in the planning of new wireless networks; experience of building of modern broadband access (BBA) networks; new opportunities for the development of wireless BBA systems. It will focus on topics that address experience of implementation of WCDMA and LTE BBA networks in Kyrgyz Republic; new opportunities for the development of radio communication systems in light of the decisions of WRC-15; LTE and LTE-advanced; BBA nodes and solutions for the implementation of BBA equipment; BBA network planning and electromagnetic compatibility; 5G system development and standardization in ITU-R.

Training Methodology
This training was face to face.

Duration of Training
The training was held from 17 to 20 May (4 days).

Participants Details
(provide the following data:
- No. of participants registered for the training: 12
- No. of participants that completed the training: 11
- No. of male participants:8
- No. of female participants:4
- No. of participants from Government:0
- No. of participants from regulators:5
- No. of partcipants from service providers/operators:7
- No. of partcipants from other sectors: 0

Training Evaluation

Besides the final assignment score (Annex 1), participants were evaluated according to their active participation in sessions and other course activities, reflecting both the quantity and quality of time spent on the training.

Overall Training Outcome

Upon completion of the training, the participants:

- Are aware of the experiences and plans of modern BBA network construction around the world and WCDMA and LTE BBA access network implementation in Kyrgyz Republic;
- Are aware of radio communication system development in light of WRC-15 decisions;
- Are able to use different solutions of the implementation of BBA equipment;
- Understand BBA network planning and electromagnetic compatibility;
- Understand 5G system development and standardization methods of in ITU-R.

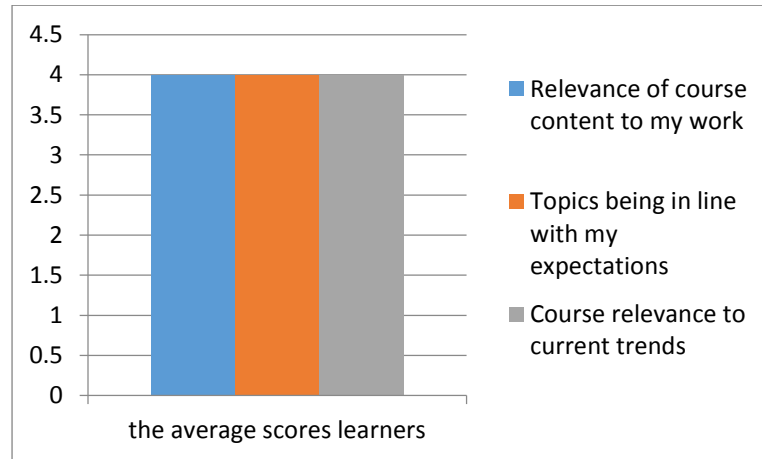**Participation**

Attendance learners was almost 100%

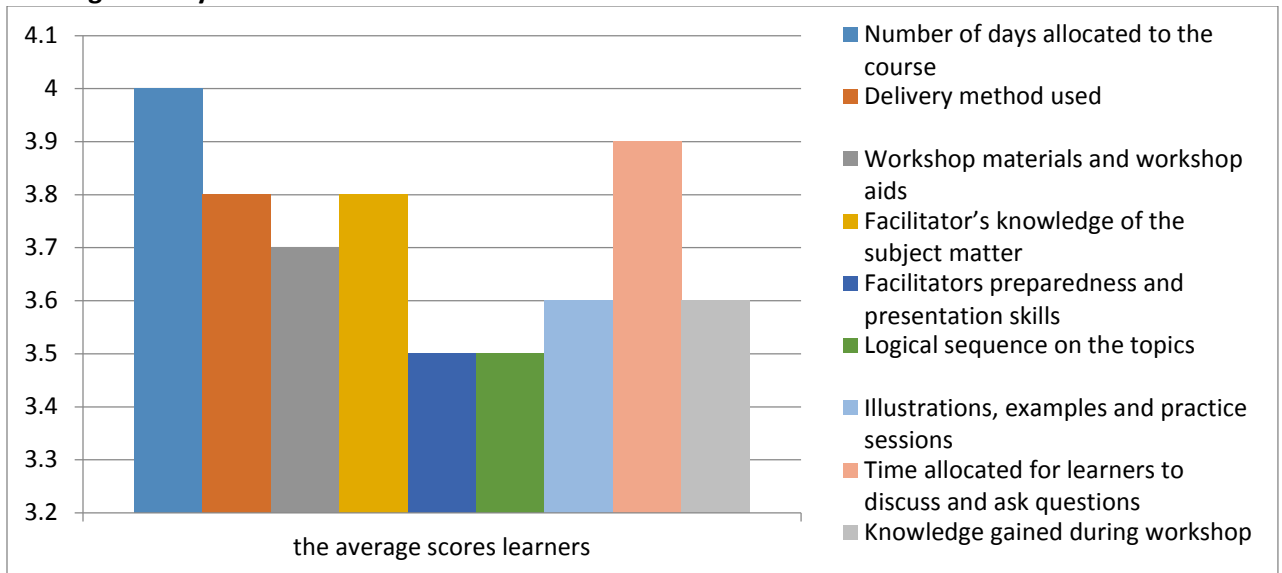| №	Participant	17/05/2016	18/05/2016	19/05/2016	20/05/2016	%
1	Saadakbayev Azamat	+	+	+	+	100
2	Turaliyev Taalaybek	+	+	+	+	100
3	Zhukov Vadim	+	+	+	+	100
4	Kolesnikov Roman	+	+			50
5	Kagaramov Sergei	+	+		+	75
6	Domnina Svetlana	+	+	+	+	100
7	Kalchoroyeva Aiperi	+	+	+	+	100
8	Aychurok Maralbek kyzy	+	+	+	+	100
9	Zubanov Kirill	+	+	+	+	100
10	Zasukhin Nikolay	+	+	+	+	100
11	Kazansky Vladimir	+	+	+	+	100
12	Tashmatova Kunduz	+	+	+	+	100

Assessments

Overall percentages of performance is 82%. The final tests are available in the Annex 1.
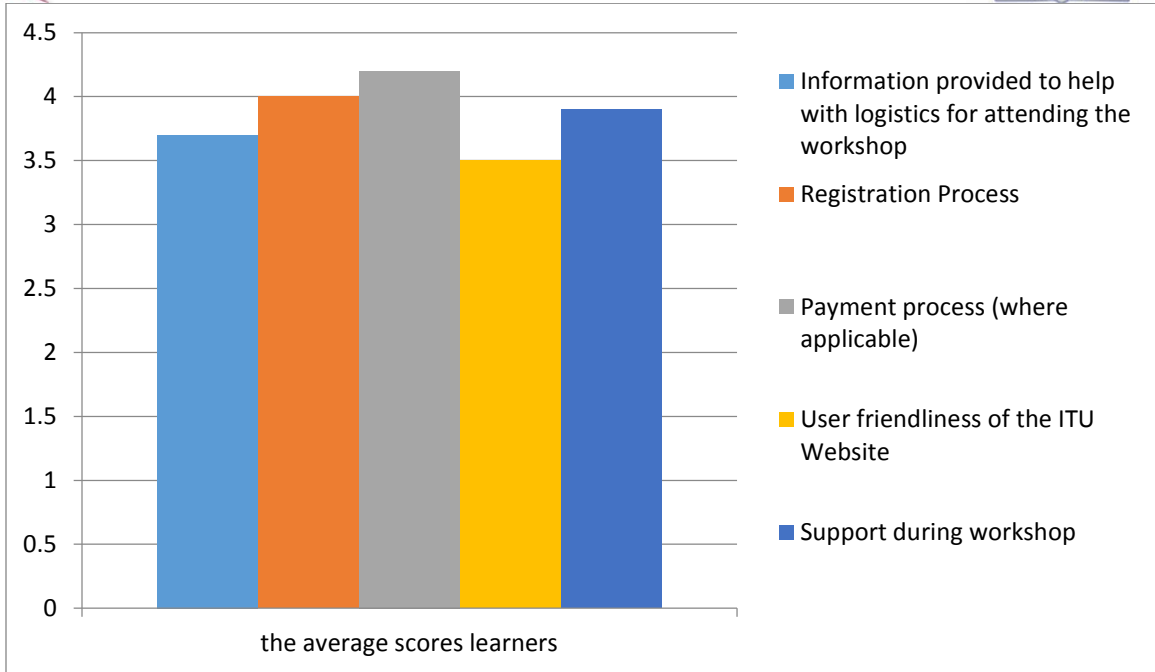
Participants Feedback
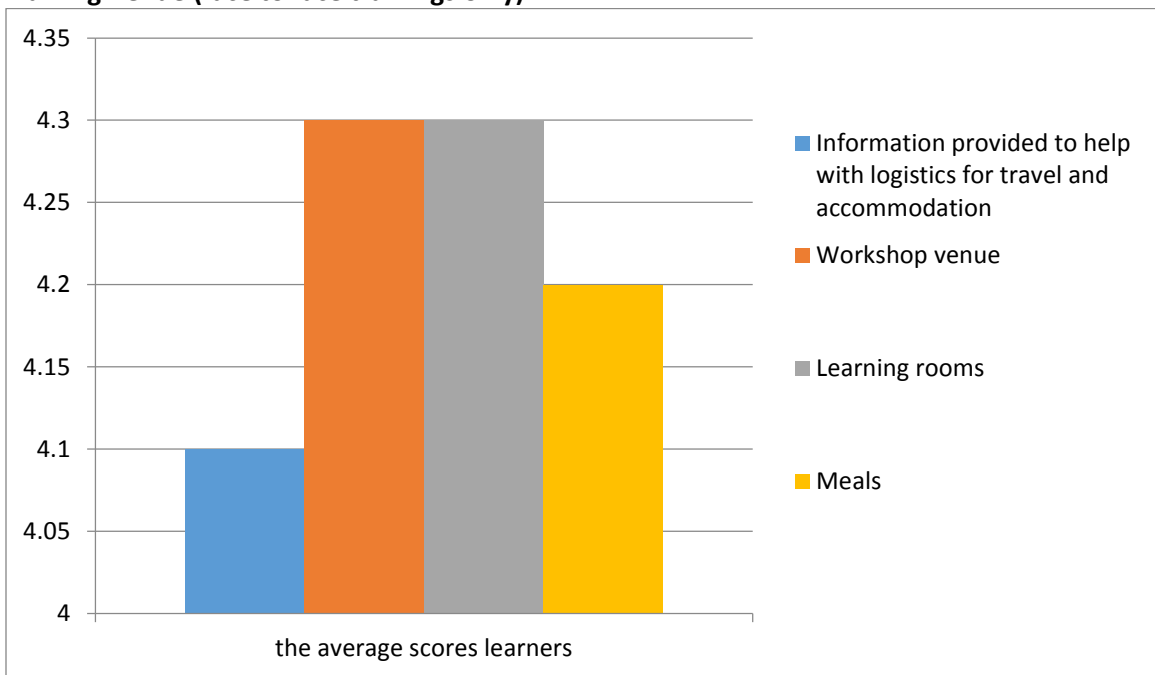1. **Relevance of workshop**

Chart legend:
- Relevance of course content to my work
- Topics being in line with my expectations
- Course relevance to current trends

the average scores learners

2. Training Delivery

Chart legend:
- Number of days allocated to the course
- Delivery method used
- Workshop materials and workshop aids
- Facilitator's knowledge of the subject matter
- Facilitators preparedness and presentation skills
- Logical sequence on the topics
- Illustrations, examples and practice sessions
- Time allocated for learners to discuss and ask questions
- Knowledge gained during workshop

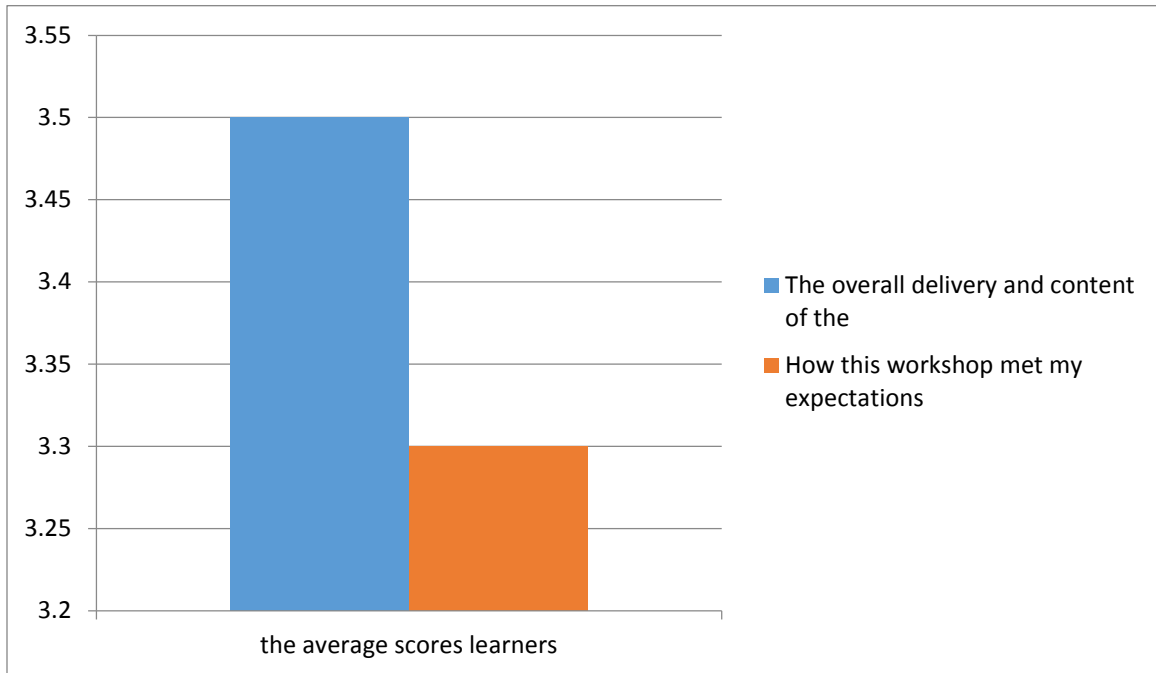the average scores learners

3. Training Logistics

4. Training Venue (face to face trainings only)

5. Overall

Participants Feedback

Participants are satisfied with the training. Also, they expressed wishes to:

1. Reduce generalized information in favour of detailed consideration of the important features.
2. Increase the number of labs
3. Reinforce the theoretical information laboratories
4. Pay attention to the training schedule (the laboratory for local area networks was immediately after training on optics).

Proposed Future trainings
1. Communication Research
2. Cisco
3. Wi-Fi
4. Communication network and switching system
5. PS core

Recommendations
See wishes expressed by participants in the Participants Feedback.