



ITU/BDT Arab Regional Workshop on “MPLS Technologies and Applications”

Smart Village (6th October Gov.) - Egypt, 12-14 July 2009



FINAL REPORT

Introduction

Reference is made to the 2009 CoE Action Plan, which was approved during the 2nd Advisory Committee Meeting (Cairo, March 2009), in order to build up a relevant capacity process for the professionals in the region.

ITU/ARO conducted the workshop on “**Multi Protocol Label Switching (MPLS) Technologies and Applications**”, in cooperation with the National Telecommunication Institute (Egypt), during the period 12-14 July 2009 in NTI Smart Village premises.

Workshop Description

The workshop covered all issues related to MPLS technologies and applications. Hands-on activities throughout the duration of the workshop reinforced the learning experience and allowed the participant to develop target competencies and to link the theory to real life situations. The workshop also included practical lab presentations to provide the participants the opportunity to articulate the various elements of knowledge acquired.

The workshop focused on the following subjects:

- Why MPLS?
- MPLS components and protocols.
- NGN and MPLS.
- Security for MPLS.
- New trends in MPLS: IPTV over MPLS, GMPLS.
- MPLS Practical Applications.

The delivery methods varied between presentations and practical exercises.

Opening Session

The workshop was officially opened by Dr. Hanaa Ebraheem, on behalf of the NTI, who welcomed the participants and emphasized that NTI will put all its capabilities to the success of this activity.

Mrs. Nefertiti Ali, CoE-ARB Coordinator, on behalf of ITU, gave a brief speech, in which she thanked NTI for the kind hospitality and cooperation. Then she introduced the two main instructors; Mr. Jacques BAUDRON and Dr. Omayma ABDEL MOHSEN.

Participation

The total of (20) participants from (7) Countries, namely:

Djibouti (2), Egypt (5), Jordan (5), Oman (2), Saudi Arabia (2), Sudan (1) and UAE (3).

Annex (1) shows the List of Participants of this workshop and also is available on the website:

www.itu.int/ITU-D/arb/COE/2009/MPLS/FinalListofParticipants-MPLS-cai.doc

Tutors

The main tutors in this workshop were:

- Prof. Jacques BAUDRON, iXLE France.
- Dr. Omayma ABDEL MOHSEN, Assistant Professor, Switching Department, NTI/Egypt.

In addition to (for the practical part):

- Eng. Khaled AWADALLAH
- Eng. Hussein HARB

Agenda and Documents

Annex (2) shows **the Agenda**, which was adopted and contained (10) sessions, in addition to panel discussion and evaluation session. The working papers tackled most of the issues related to the workshop topics.

There were two practical sessions on:

- Routing Review
- MPLS VPN Configuration

Several important questions have been raised and the participants exchanged experience and knowledge on them.

Annex (3) comprises the **List of Documents** submitted in the workshop; all the documents are posted on the following address:

www.itu.int/ITU-D/arb/COE/2009/MPLS/ListofDocs-MPLS.doc

Evaluation and Concluding Session

A special evaluation form was developed and distributed to evaluate the content and the organization of the workshop for improving the future activities , and to know what are the most important workshops that the participants recommend in the future **Annex (4)** contains the **evaluation results**.

The closing session included a brief speech of Dr. Hanaa Ebraheem, on behalf of the NTI, who thanked the participants for their active role during the workshop.

Mrs. Nefertiti Ali, on behalf of ITU, gave special thanks to Mr. Jacques BAUDRON and the NTI instructors for the successful conduct of the workshop. Finally, the participants were awarded participation's certificates.

All Annexes which were mentioned above are available at the website on the following address: www.itu.int/ITU-D/arb/COE/2009/MPLS/