ITU REGIONAL DEVELOPMENT FORUM FOR EUROPE

ICTs FOR SUSTAINABLE DEVELOPMENT

27-28 September 2016

Avala Resorts&Villas Hotel

Budva, Montenegro

The European Network of Centres of Excellence

Opportunities for capacity building in the EUR

➢ Annual training plan for 2015 was established in consultation with CoEs at the first meeting of the Steering Committee (SC), held on 11 February 2015 in Copenhagen, Denmark and hosted by the European Communication Office.

➢ The objective of the SC-CoE-EUR was to take a key strategic decisions aimed at implementation of the approved new Centres of Excellence strategy and its related Operational Processes and Procedures.

➢ Out of the total 11 courses planned in the annual training plan for 2015, 4 courses have been implemented and 7 courses have been postponed to 2016 due to the lack of interest from potential participants (no registrations have been received for those courses).

Course title	Dates, 2016	CoE	Modality	Fee Applied in 2015
Cyber Security Awareness for SMEs	TBD	CTU	Face-to-face Prague	1000 USD
Cyber Security Lifecycle of the New Millennium	TBD	CTU	Face-to-face Prague	1000 USD
Network and IT Security	TBD	TUC	Face-to-face Chemnitz	800 EUR
Broadband Access	TBD	TUC	Face-to-face Chemnitz	800 EUR
CE for Telecommunication, Achieving compliance: From the Directives to the Test Lab	TBD	ISQ	Face-to-face Porto	1200 USD
Software conformance testing and audit	TBD	ISQ	Face-to-face Porto	1000 USD
E-Waste Management: From Waste to Resource	TBD	ISQ	Face-to-face Porto	700 USD

Centres of Excellence for Europe selected for 2015-2018 cycle

The following five institutions were selected as Centres of Excellence for Europe:

1. Czech Republic - Czech Technical University, Faculty of Electrical Engineering (CTU)
   Priority Area: Cybersecurity

2. Germany - Technische Universitat Chemnitz (TUC)
   Priority Areas: Cybersecurity and Broadband Access

3. TFYR of Macedonia - Ss. Cyril and Methodius University in Skopje, Faculty of Electrical Engineering and Information Technologies (FEEIT)
   Priority Area: Broadband Access

4. Poland - National Institute of Telecommunications (NIT)
   Priority Area: Capacity Building in Internet Governance

5. Portugal - Institute for Technology and Quality (ISQ)
   Priority Areas: e-Waste and Conformance and Interoperability

Annual training plan for 2015

- In consultation with the Centres of Excellence a draft annual training plan for Europe has been agreed at the first meeting of the Steering Committee, held on 11 February 2015:

1. **Czech Republic -** Czech Technical University, Faculty of Electrical Engineering (CTU)
   - Online Course "Cybersecurity Awareness Training for SMEs"
     5 October - 2 November 2015
   - Online Course "Cyber Security Lifecycle of the New Millennium"
     1-29 October 2015

2. **Germany -** Technische Universität Chemnitz (TUC)
   - Face-to-face Course "Cybersecurity"
     14-15 September 2015
   - Face-to-face Course "Broadband Access"
     17-18 September 2015

3. **FYR of Macedonia -** Ss. Cyril and Methodius University in Skopje, Faculty of Electrical Engineering and Information Technologies
   - Online Course "Next Generation Broadband Internet Access"
     26 May – 22 June 2015
   - Online Course "Mobile Broadband"
     17 November – 14 December

4. **Poland -** National Institute of Telecommunications (NIT)
   - Face-to-face Course " Strategic aspects for Internet governance and Innovations "
     5-6 November 2015
   - Face-to-face Course "End-to-End QoS Network Design"
     19-20 November 2015

5. **Portugal -** Institute for Technology and Quality (ISQ)
   - Face-to-face Course " E-Waste Management: From Waste to Resource"
     18-20 November 2015
   - Face-to-face Course CE for Telecommunication, Achieving compliance: From the Directives to the Test Lab"
     11-13 November 2015
   - Face-to-face Course "Software conformance testing and audit"
     29-30 October 2015

Status	Course title	Dates, 2015	CoE	Applied fees	Modality	Number of participants
Implemented	Next Generation Broadband Internet Access	26 May – 22 June	FEEIT	150 USD	e-learning	86
Implemented	Strategic Aspects for Internet Governance and Innovations	5 – 6 November	NIT	500 USD	Face-to-face	9
Implemented	End-to-End QoS Network Design	19 – 20 November	NIT	450 USD	Face-to-face	8
Implemented	Mobile Broadband	17 Nov – 14 December	FEEIT	150 USD	e-learning	157
Total						260

CoE challenges:

- **Financial challenges**
  - Due to registering to EUR CoE courses of non-European citizens appears such challenges as payment, registration and "soonest" visa obtain (no credit cards, request official document to transfer fee, invitation letter and etc.);
  - Challenges that public entities face when buying foreign currency and making overseas payments;
  - Fund transfer from ITU to CoE hub may experience delays of up to 2 months;
  - High training fees which cause some delays in interest to register and to rake course, especially, in face-to-face courses;
  - Lack of motivation of registrants due to short period of face-to- face courses (2-3 days) and high fees.

- **Compliance challenges**
  - Risk of being put under investigation or audit by tax authorities due to monetary flows from and to abroad
  - Risk of investigation of being affiliated with illicit foreign funds

CoE challenges:

- **ITU Academy portal challenges**
    - Technical failures;
    - Spam/"weird" non-European registrants with requesting the soonest invitation letter to get a Schengen visa;
    - Delays in course publication (up to 2 weeks);
    - Need to involve HQ staff to subscribe to a course (in case of cashless payments);
    - Platform limitations (e.g. doesn't allow sending messages to trainees);
    - No means to collect feedback and run tests in automated fashion;
    - Overcomplicated bank transfer tracking;
    - No means to introduce a pay scale.
- **Promotion challenges**
    - Limited distribution of promotion materials by Administrations;
    - No opportunity to organize a free training within CoE framework;
    - Necessity to consider other academia/organizations involvement of existing and neighboring countries of EUR region to the ITU Academia platform.

Recommendations:

- **Content**
  - To consider courses fees;
  - To consider mode of courses: would be better to move to eLearning type. More success on it;
  - More courses where we can offer unique expertise, avoid repetition;
  - Expand to other countries of EUR region: Diversify;
  - Actively cooperate with vendors, system integrators and other private entities to ensure that the content is up-to-date.

- **Structure**
  - More programmatic approach to capacity building: so we can reduce mobilization efforts, raise attendance and make our trainings more coherent;
  - Better follow-up with trainees (e.g. alumni communities).

- **Processes and procedures**
  - Brainstorm and establish an enhanced promotion and outreach mechanism;
  - To organize on-line/conference calls with all CoE FP to discuss pros an cons of courses.

2016

EUROPE

Training Opportunities through Centers of Excellence

25-27 April 2016, (face-to-face): CyberSecurity Awareness for SMEs, Czech Technical University in Prague, Faculty of Electrical Engineering (CTU), Czech Republic

30 May-1 June 2016 (face-to-face): Cybersecurity Lifecycle of the New Millennium, Czech Technical University in Prague, Faculty of Electrical Engineering (CTU), Czech Republic

31 May - 27 June 2016 (e-learning): Broadband Internet and Future Networks, Faculty Of Electrical Engineering and Information Technologies (FEEIT), FYR of Macedonia

20-21 June 2016 (face-to-face): Software Conformance Testing and Audit, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

19 – 20 July 2016 (face-to-face): Network and IT Security, Technische Universität Chemnitz (TUC), Germany

21-22 July 2016 (face-to-face): Broadband Access, Technische Universität Chemnitz (TUC), Germany

10- 12 August 2016 (face-to-face): Information Security Management and Compliance in Telecommunications, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

21-23 September 2016 (face-to-face): Managing IT Services in the Cloud According to International Standards, - Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

26 September-3 October (e-learning): Strategic Aspects for Internet Governance and Innovation, – National Institute of Telecommunications (NIT), Poland

28 - 30 September 2016 (face-to-face): Fiber Optic Splicing and Installation Course Operating Unit Installation of Fiber Optic Cable Plants, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

3-5 October 2016 (face-to-face): CE mark for Telecommunication: Achieving compliance from the Directives to the Test Lab, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

17-18 October 2016 (face-to-face): Software Conformance Testing and Audit, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

19-21 October 2016 (face-to-face): IPv6 Deployment and Configuration, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

3-4 November 2016 (face-to-face): Wireless Access Technologies to Internet Network, National Institute of Telecommunications (NIT), Poland

16-18 November 2016 (face-to-face): E-Waste Management: From Waste to Resource, Instituto de Soldadura e Qualidade (Institute for Technology and Quality, (ISQ), Portugal

22 November- 19 December 2016 (e-learning): 4G and Next Generation Mobile Internet, Faculty Of Electrical Engineering and Information Technologies, (FEEIT), FYR of Macedonia

24-25 November 2016 (face-to-face): Teletraffic engineering for Internet and analytical approach, National Institute of Telecommunications (NIT), Poland

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