



ITU Centres of Excellence Network for Europe

National Institute of Telecommunications

Online Training Course on

**Legal and regulatory barriers to the introduction
of cloud services in the EU**

20 – 27 May 2019

COURSE OUTLINE

COURSE DESCRIPTION

Title	Legal and regulatory barriers to the introduction of cloud services in the EU
Description	<p>The interest in cloud services has grown rapidly over the last few years. It is reported that public spending on the procurement of cloud services is estimated to have reached USD 107 billion by the year 2017. The rapid development of cloud services is driven by cloud characteristics, such as: elasticity, scalability, universal access, low entry cost, flexible and adjustable billing and easy metering.</p> <p>On the other hand, moving business activity to the cloud is also subject to significant challenges and risks, such as, in particular, compliance, security, privacy as well as competition issues (including vendor lock-in). Those challenges and risks are mostly driven by lack of a uniform regulatory framework devoted to cloud computing activity, the complexity of service models and service delivery over the cloud, the low awareness of cloud computing service provisioning by both vendors and regulators due to, among other things, insufficient governmental information campaigns on the benefits and risks of cloud services.</p>

Objectives	<p>The subject of this workshop is to discuss, from a practical point of view, the legal and regulatory barriers to the development of cloud services. During the workshop, the existing sources of law will be outlined and discussed from a national and international perspective, in the context of various, differentiating cloud definitions, cloud service models and different subject matter of such services. In addition, future regulations such as, for example, the General Data Protection Regulation and its impact on the cloud regulatory framework, will be discussed. The discussion will also encompass the practical and legal issues related to cloud standardization and the extent to which standardization may support, from a practical perspective, the legal framework related to the cloud environment.</p> <p>The workshop will also cover issues related to service procurement, including the contents of cloud contracts, Service Level contracts and the enforcement of such contracts. The risks connected with cloud contracts from the perspective of cloud vendors, including state and local government vendors and private vendors, cloud service providers and brokers as well as auditors, will be discussed. The workshop will also include a discussion on legal and practical issues involved in auditing cloud services, as well as issues related to legal and regulatory barriers connected with internet (cloud) access services.</p>
Dates	20 – 27 May 2019
Duration	8 days
Registration deadline	20 May 2019
Training fees	USD 150
Course code	19OI24243EUR-E

LEARNING OUTCOMES

At the end of the training, the participant should have gained an understanding of the key aspects of:

- Cloud computing – phenomenon
- Sources of law relating to cloud computing
- The role of standardization in the development and provision of security measures aimed at protecting services offered in the cloud
- Different types of information as the subject matter of services delivered in the cloud
- The role of participants in cloud computing contracts and its legal aspects
- Legal and regulatory burdens related to the provision of services in the cloud
- Auditing the cloud – the aim, scope, results and benefits of an audit
- Enforcement of contracts for the provision of services in the cloud
- Access to cloud services and access barriers
- Application of cloud services to the local and state government

TARGET POPULATION

The course is in particular addressed to: members of IT teams, sales and legal departments considering the procurement of cloud solutions, regulators, (in house) lawyers and anyone interested in cloud services.

TUTORS/INSTRUCTORS

NAME OF TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
Dr Andrzej Krasuski	akrasuski@akrasuski.com

EVALUATION

On the last day of the course a quiz test will be assigned. It will consist of 20 questions (multiple choice) which should be solved in a time frame of 90 minutes, with at least 12 correct answers (60%).

The course evaluation for obtaining the certificate at the end is based primarily on the results from the Quiz, however, replies to the raised discussion topics may also be considered in the evaluation process.

TRAINING SCHEDULE AND CONTENTS

There are in total eight days, from which first 5 days (20 – 24 May) there will be given recorded video lectures, 2 per day, five days in total and that gives the total of 10 video lectures in this course. The lectures are on the following subjects:

Lecture	Subject
Lecture 1	Description of the “cloud computing” – phenomenon; depiction of common characteristics in the light of a wide variety of different definitions
Lecture 2	The role of participants in cloud computing contracts and its legal aspects
Lecture 3	Sources of law relating to cloud computing in the context of the lack of specific regulations concerning cloud computing
Lecture 4	Different types of information as the subject matter of services delivered in the cloud
Lecture 5	The role of standardization in the development and provision of security measures aimed at protecting services offered in the cloud
Lecture 6	Legal and regulatory burdens related to the provision of services in the cloud
Lecture 7	Auditing the cloud – the aim, scope, results and benefits of an audit
Lecture 8	Enforcement of contracts for the provision of services in the cloud
Lecture 9	Access to cloud services and access barriers
Lecture 10	Application of cloud services to the local and state government

The course has a blended mode of a course, which means that there are live talks at face-to-face course, which are well recorded, production is carried by the NIT (National Institute of Telecommunication), Warsaw, Poland. While typical face-to-face courses last two full days, typical elearning (with reading materials, not video lectures) last four weeks, the blended mode lasts 8 days, which provides feeling as in face-to-face lectures, but at the time suitable for each participant, which gives flexibility and commodity provided by elearning courses via the ITU Academy platform.

The course begins on Monday, and ends the Monday after.

Each working day there will be posted a discussion topic before noon (according to the GMT+1 time) by the course tutor (posted in Forum) and they are intended to point to the participants the main subject covered in the video lectures on the given day.

Participants could also raise their own discussion topic thread on the appropriate place for it that is "General discussions" forum.

At the end of each day, from Monday to Friday, I will give a summary of the day on the raised daily Forum topics.

All course news and announcement will be given in the News Forum on the cover page of the course.

Days	Activity	Exercises and interactions
Day 1	Learning	Watching and listening to video lectures 1 and 2. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 2	Learning	Watching and listening to video lectures 3 and 4. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 3	Learning	Watching and listening to video lectures 5 and 6. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 4	Learning	Watching and listening to video lectures 7 and 8. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 5	Learning	Watching and listening to video lectures 9 and 10. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 6-7	Consolidation of knowledge	Possibility to watch all video lectures one again with possibility to ask questions to the tutor.
Day 8	Solving the Final Quiz	Solving the Final Quiz.

METHODOLOGY

The course methodology will be as follows:

- Each day from 20 to 24 May 2019 there will be made available two recorded video lectures, which are recorded in the face-to-face ITU Centre of Excellence workshop organised by National Institute of Telecommunications in Poland. In total there are 10 video lectures during the course.
- Discussion forum will be organized based on discussion topics given on a daily basis, where students are highly encouraged to participate and interact with instructors and other students.
- Quiz test will be assigned on the last day of the course, 27 May 2019.
- All announcements for all events (lectures, quiz and forum) will be given in a timely manner (prior to the event) by the course tutor.

COURSE COORDINATION

Course coordinator: Name: Sylwester Laskowski Email address: s.laskowski@itl.waw.pl	ITU coordinator: Name: Ms Rosheen Awotar-Mauree Email address: Rosheen.awotar@itu.int ; eurregion@itu.int
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REGISTRATION AND PAYMENT

ITU Academy portal account

Registration and payment should be made online at the ITU Academy portal. To be able to register for the course you **MUST** first create an account in the ITU Academy portal at the following address: <https://academy.itu.int/index.php/user/register>.

Course registration

When you have an existing account or created a new account, you can register for the course online at the following link: <https://academy.itu.int/index.php/training-courses/full-catalogue/legal-and-regulatory-barriers-introduction-cloud-services-eu>

You can also register by finding your desired course in our training catalogue <https://academy.itu.int/index.php/training-courses/full-catalogue>.

Payment

1. On-line payment

A training fee of USD 150 per participant is applied for this training. Payment should be made via the online system using the link mentioned above for training registration at <https://academy.itu.int/index.php/training-courses/full-catalogue/legal-and-regulatory-barriers-introduction-cloud-services-eu>

2. Payment by bank transfer

Where it is not possible to make payment via the online system, select the option for offline payment to generate an invoice using the same link as above. Download the invoice to make a bank transfer to the ITU bank account shown below. Then send the proof of payment/copy of bank transfer slip and the invoice copy to Hcbmail@itu.int and copy the course coordinator. **All bank transaction fees must be borne by the payer.**

Failure to submit the above documents may result in the applicant not being registered for the training.

3. Group payment

Should you wish to pay for more than one participant using bank transfer and need one invoice for all of them, create an account as **Institutional Contact**. **Institutional Contacts** are users that represent an organization. Any student can request to be an institutional contact or to belong to any existing organization.

To do this, head to your profile page by clicking on the **“My account”** button in the user menu. At the bottom of this page you should see two buttons:

- a. If you want to **become an institutional contact**, click on the **“Apply to be an Institutional Contact”** button. This will redirect you to a small form that will ask for the organization name. After you fill the name of the organization you want to represent, click on **“continue”** and a request will be created. An ITU Academy manager will manually review this request and accept or deny it accordingly.
- b. If you want to **belong to an existing organization**, click on the **“Request to belong to an Institutional Contact”** button. This will redirect you to a small form that will ask you to select the organization you want to join from an organization list. After you select the correct organization, click on **“continue”**, a request will then be created. The Institutional Contact that represents that organization will manually accept or deny your request to join the organization.

ITU BANK ACCOUNT DETAILS:

Name and Address of Bank:	UBS Switzerland AG Case postale 2600 CH 1211 Geneva 2 Switzerland
Beneficiary:	Union Internationale des Télécommunications
Account number:	240-C8108252.2 (USD)
Swift:	UBSWCHZH80A
IBAN	CH54 0024 0240 C810 8252 2
Amount:	USD150
Payment Reference:	CoE- 19OI24243EUR-E-WBS No. P.40595.1.04

4. Other method of payment

If due to national regulations, there are restrictions that do not allow for payment to be made using options 1 & 2 above, please contact the ITU coordinator for further assistance.