



Arab ICT Organization

## Training workshop

# " Cyber Security for Control Systems and Critical Information Infrastructure Protection :CIIP "



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**Date** : 23-26 May 2016 [4 days]

**Venue** : Istanbul - Turkey

**Aicto Focal Point:** Mahmoud Abdelwahab

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### Framework :

- "AICTO" Technical study : "**Struggling Against the Use of Internet by Terrorists**"
- "AICTO" Action plan [2016] - Pillar III "**Capacity Building**" : Building Arab skills capacity in the field of ICT.

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### Main objectives :

- To provide an overview of the Security for ICS framework and its core elements
- To formally establish a governance framework to ensure that ICS security risk are managed consistently and appropriately on an ongoing basis
- To gain a thorough understanding of the risk that the Arab institutions and organisations are facing in order to identify and drive the appropriate level of security protection required
- To identify key third parties and effectively manage the associated risks that may have an impact on the security of an organisation's ICS
- To increase ICS security awareness throughout the Arab industrial ecosystem and to ensure that all personnel have the appropriate knowledge and skills required to fulfil their role

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### Target Audience :

**Arab ministries of Interior, Arab ministries of Defence, Public sector (ICT Ministries and public institutions), Cybersecurity agencies, ICT regulators, ICT companies, ICT research organizations, Service providers, Telecom. Operators, Academia & All interested parties.**



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## Agenda :

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### Day 1 Fundamentals of ICS Security

- Key ICS components (network components, control components)
- ICS characteristics, vulnerabilities, and threats
- Incident handling in ICS infrastructures
- Taxonomy of available security solutions for ICS

### Day 2 Deploying and managing an ICS security program

- Performing risk and vulnerability assessment
- Defining the mitigation controls
- Training and promoting team awareness
- Analyzing a business case for ICS security

### Day 3 ICS security controls

- Management controls
  - Asset classification, effort and cost estimation, security program management
- Operational controls
  - Contingency planning, personnel security, configuration management, maintenance and troubleshooting
- Technical controls
  - Identification and authentication, authorization and accounting, access control, intrusion detection and prevention

### Day 4 Standards and certifications

- Asset, Vulnerability, and Risk Assessments: GAO-04-354, Critical Infrastructure Protection: Challenges and Efforts to Secure Control Systems, U.S. GAO
- INGAA Control Systems Cyber Security Guidelines for the Natural Gas Pipeline Industry: Interstate Natural Gas Association of America (INGAA), April 2011
- ANSI/ISA-62443-2-1 (99.02.01)-2009 - Security for Industrial Automation and Control Systems: Establishing an Industrial Automation and Control Systems Security Program



## Registration Fees

- **Registration Fees 1000 USD\$**
  - *20% of discount is applied for AICTO members*
  - *For 2 registered from same structure, 3<sup>rd</sup> registration is free*
  
- **Registration fees cover**
  - *Training*
  - *Documentation*
  - *Lunches*
  - *Coffee breaks*
  
- **Payment Modalities**
  - *Bank transfer in advance*
  - *Cash*

If you're interested in attending this training course, please fill out the attached "Training Form" and send it back by fax at this number : **00 216 71 846 865**.

If needed AICTO can provide interested participants by a list of hotels with preferential prices