

**COINS Summer School** 

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## Industry/Standards Groups

Forum	Group Name	Launch Date	Objective	Proposed Output
ETSI	NFV Security Experts Group	Mar. 2013	Design security into NFV from the start and ensure security accreditation bodies address NFV	Document existing solutions/recommended practices and identify subsequent research requirements
ONF	Security Working Group	Apr. 2013	Define security requirements for OpenFlow SDN architecture	SDN Security Standards Documents Threat Model/Analysis Document
ITU-T	Study Group SG11/SG13 (SG17)	Jun. 2013	Contribute to standardization of SDN	Recommendations

ETSI ISG Network Functions Virtualization Security Expert Group (http://www.etsi.org/technologies-clusters/technologies/nfv)
Open Networking Foundation Security Working Group. (https://www.opennetworking.org/technical-communities/areas/services)
ITU-T SG13 Future Networks - Questions Under Study. (http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/questions.aspx)

## **ONF Security Working Group**

## Recent Work:

- Principles and Practices for Securing Software Defined Networks
- Recommendations to Extensibility WG Updates to OpenFlow Switch Specification v1.3.5
  - Specify that a secure version of TLS is recommended (EXT-525)
  - Clarify certificate configuration of the switch (EXT-304)
  - Specify that malformed packet refer to those in the datapath (EXT-528)
  - Specify how to deal with malformed OpenFlow messages (EXT-528)
  - Specify that counters must use the full bit range (EXT-529)
- Threat Analysis

## ONF-Certified SDN Professional Program (CSDN)





https://www.opennetworking.org/skills-associate https://www.opennetworking.org/skills-engineer

