

# PROGRAM <sup>1)</sup>

---

## **Establishment Session**

Speaker(s): TBC

Duration: 1 hour

- General presentation of the objective of the program
- Attention to doubts and questions

## **Module 1 – Introduction to UL Enterprise and the Young Professionals Program**

Speaker(s): TBC

Time: 2 h

- Objective of the Young Professionals Program
  - Modules, dates, and times
  - Selection criteria
- UL Standards & Engagement
  - Main activities, goals, and objectives
- UL Research Institutes
  - Main activities, goals, and objectives
- UL Solutions
  - Main activities, goals, and objectives

## **Module 2 – Legal framework of Technical Regulations and Standards**

Speaker(s): TBC

Time: 2 h – 3 h

- Relevance of the World Trade Organization when developing Standards and Technical Regulations
  - Technical Barriers to Trade Agreement
- National legal framework
  - Quality Infrastructure Law and Its Regulation
  - National Quality Infrastructure System
  - Relevant actors of the System and their duties and faculties
- Technical Regulations
  - Legitimate public objectives
  - Advisory Committees for National Standardization, Technical Regulations (NOM) and their Regulatory Impact Analysis
  - Process for developing, issuing and withdrawal of Technical Regulations (NOM)

---

<sup>1)</sup> Program subject to change without prior notice

- Standards
  - National Standardization Bodies and their authorizations before DGN
  - National Standardization Technical Committees and their deliverables (Mexican Standards)
  - Process for developing, issuing and withdrawal of Mexican Standards (NMX)

### **Module 3 – Conformity assessment, actors, and their deliverables**

Speaker(s): TBC

Time: 2 h

- Introduction to Conformity Assessment
  - Trust and safety as a result of conformity assessment
- Conformity Assessment Bodies
  - Testing labs
  - Inspection Bodies
  - Certification Bodies (for products, systems, and processes)
  - Surveillance and verification activities

### **Module 4 – Introduction to Fire Safety**

Speaker(s): TBC

Time: 2 h – 3 h

- Fire Safety Ecosystem (Overview)
  - Prevention, Detection and Communication, Occupant Protection, Contention and Suppression as essential elements for a comprehensive fire protection
- Active fire protection measures
  - Main elements and design/installation considerations
- Passive fire protection measures
  - Main elements and design/installation considerations
- Science-based Standards
  - Analysis of the Fire Situation in México
    - Data gathering, statistics and trends identification
  - Fire Safety Research Institute
    - Research and study of fire behavior (fire characterization), as well as its contribution to the development of standards
- Fire Safety Standards
  - UL library on fire safety standards (aligned with the fire safety ecosystem)
  - UL Standards case studies
  - Emerging technologies and trends on fire safety

## **Module 5 – Applied fire safety**

**Speaker(s): TBC**

**Time: 2 h – 3 h**

- Risk analysis for an effective fire protection system
  - Firefighters' perspective and the importance of compliant facilities and building designs
  
- Safety Codes and applicable regulations
  - Applicable Technical Regulations (NOM) and Mexican Standards (NMX)
    - NOM-002-STPS-2010
    - NMX-S-069-SCFI-2020
    - PROY-NMX-S-071-SCFI-2021
  - Mexico City Building Code
  - NFPA codes
  
- Relevant aspects to be considered on field
  - Installation
  - Maintenance
  - Inspections

### **Field Activity**

Visit the Fire Protection Training Center (FIPTRAC)

### **Contact**

Jonathan López, Senior Standards Specialist

(+52) 55 3000 5439

[JonathanLopez@ul.org](mailto:JonathanLopez@ul.org)