



UAE Fire Code Enforcement Progressing towards a Joint Responsibility

By Sajid Raza

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FLS success in the cities depends on a collective effort by all the stakeholders involved



...UAE Fire Code

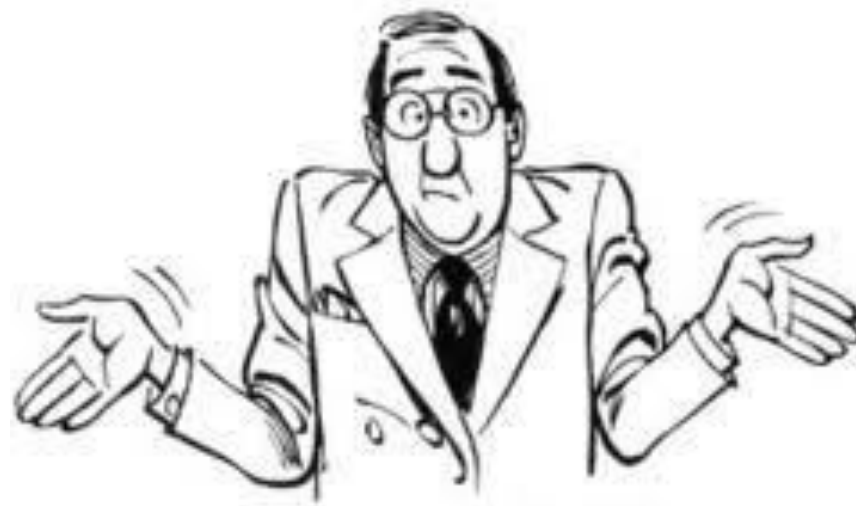


Stakeholders

Building Owners, Architects, Consultants, Contractors,
Authority Having Jurisdiction i.e. Fire Departments,
State Govt., Federal Govt.



Life is precious



Who is responsible?

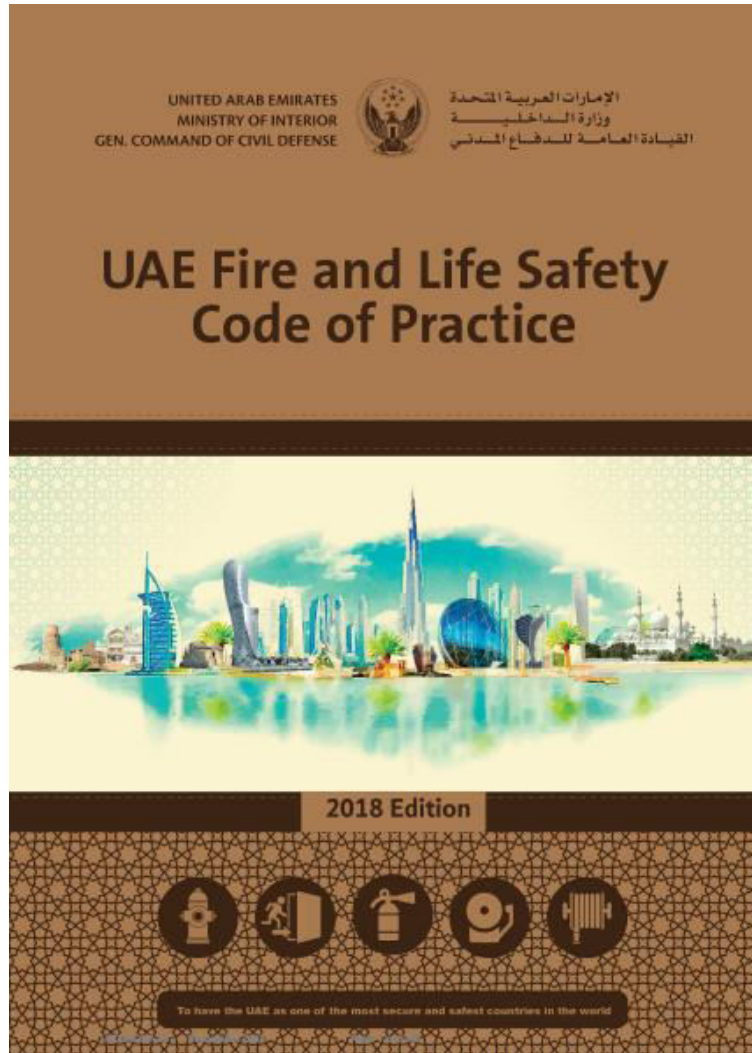


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَمَنْ أَحْيَاهَا فَكَأَنَّمَا أَحْيَا النَّاسَ جَمِيعًا

And whoever saved one life,
it is as though he saved entire mankind

(5:32)





Who?

- Owner
- Owner's Representative
- Developer
- Consultant (Lead/Main)
- House of Expertise
- Contractors
- Manufacturer
- Agent
- Supplier or Distributor
- Testing Laboratory
- Conformity Certification/
Conformity Assessment
body
- Facility Management



Intention

- ❑ To familiarize the stakeholders of their FLS responsibilities
- ❑ To create awareness of the mandatory duties of individual stakeholders



Responsibility

- ❑ **Building Owners, Developers, Consultants, House of Expertise and Contractors**
- ❑ Material Manufacturers, Agents, Suppliers, **Material Testing Laboratories** and Conformity & Certification Bodies
- ❑ Facility Management - Assembly, Educational, Healthcare, Office, Detention, Mall...



Responsibility

Dubai to have region's first safety lab

Facility will test cladding, other building materials and systems

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Ali Al Shouk, Staff Reporter



The Directorate General Of Dubai Civil Defence stall at the Intersec 2019, the ongoing trade show for security, safety and fire protection under way at DWTC.
Image Credit: Clint Egbert/Gulf News

“Our team of experts has extensive experience in fields such as fire resistance testing with loading, reaction to fire and façade testing. We will have Emirati skilled employees to work in the lab in the coming three years”



- Col Ali Al Mutawa, Assistant director general for protection and safety at Dubai Civil Defence

What will the lab test?

- Customised fire testing
- Fire resistance
- Reaction to fire
- Façade testing
- Smoke/heat detector testing



Owner/Developer

- ❑ Appoint/Nominate FLS Representative
- ❑ Shall include FLS requirements into Contract
- ❑ Shall be actively involved – from Design till completion
- ❑ Ensure all parties involved adhere to CD regulation
- ❑ Shall not start Construction without required approvals
- ❑ Appoint CD Licensed HoE during Construction and Commissioning, if required



Consultant

- ❑ Shall convey to Owner/Developers the FLS requirements
- ❑ Appoint Licensed HoE to verify FLS Systems Installation and Commissioning, if required
- ❑ Any modification shall require re-approval
- ❑ Not to Over Design



Contractor

- ❑ **Shall be CD Licensed for Applicable Category**
- ❑ Shall appoint Qualified Engineers/Technicians
- ❑ Receive CD approved Drawings from Consultant prior to starting the work
- ❑ Verify Supplier Valid Registration/approval with CD
- ❑ Shall obtain clearance for Firestopping works prior to concealment
- ❑ Shall handover Supply & Installation certificates



House of Expertise

- ❑ **Shall be Civil Defence Licensed**
- ❑ Shall employ Licensed Engineers
- ❑ Comply with Drawings Submission Guidelines
- ❑ Shall Stamp Drawings as “Reviewed & Approved”
- ❑ Shall ensure Commissioning of FLS Systems is Complete
- ❑ Shall Involve Owner, Consultant, Contractor and jointly sign off Acceptance Test(s)
- ❑ Not to compromise FLS aspects through PBD!



House of Expertise

- ❑ FLS Design
- ❑ Façade Evaluation
- ❑ Risk Assessment
- ❑ Emergency Evacuation Plan
- ❑ Inspection & Field Quality Control
 - ✓ Fire Protection and Suppression Systems
 - ✓ Fire Detection, Alarm and Voice Evac Systems
 - ✓ Emergency Lighting and Exit Signs



Who can Inspect?

House of Expertise undertaking Inspection shall be
Accredited to IAS AC291 / ISO IEC 17020 Criteria



IBC - Chapter 17

- ❑ Owner/consultant/contractor shall employ one or more approved agencies to perform inspections during construction
- ❑ Few of the Services
 - ✓ Firestopping
 - ✓ EIFS
 - ✓ SFRM
 - ✓ Intumescent coatings



Commitment

- ❑ Awareness
- ❑ Owners Involvement – Design to Completion
- ❑ Professional Commitment of Consultant & Contractors
- ❑ Violations are Legally Punishable
- ❑ Acquire further information



Duty of Care

- ❑ **Life is Precious**
- ❑ Public Awareness
- ❑ Education & Training
- ❑ Code Implementation
- ❑ Code Enforcement
- ❑ Code Compliance
- ❑ Follow-up



Questions



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