



WIRELESS INTERCONNECTED DETECTORS FOR VILLAS

Information Pack - DXB New Regulation

Commencement: Jan 2024

**Testing
Certifying
DXB-Specific COC**

New Regulation Outline

All wireless interconnected detectors for villas intended to be sold in the Emirates of Dubai must be certified by ESL
ESL to verify the connectivity of the wireless mesh systems

Evaluation Criteria:

- Lab is approved and listed by UAE GHQ CD.
- Meeting the requirements of UAE Fire & Life Safety (FLS) code

Required Documents

- Product Datasheets
- Product Manuals
- Product catalogue
- Drawings
- Test reports
- Accreditation details of the lab where the products are tested

Specification

- Smoke detector: EN 14604:2005 + AC:2008
- Heat detector: BS 5446-2:2003
- Installation position: ceiling
- Battery life: 10 Years
- Number of connected units: minimum 15
- Connectivity range: minimum 35meters
- Remote controller: Portable / Wall Mount
- Test function: to test all interlinked alarms from one centralized location
- Silence function: to silence all interlinked smoke and heat alarms and/or silence all wirelessly interlinked alarms except the initiating alarm
- Locate: to locate the device in alarm(automatically or manually)

Steps To Be Followed:

- Client will apply for DXB-specific COC for interconnected wireless detectors
- ESL will review the submitted application along with supporting required documents—either having historical testing evidence or requiring new approval
- ESL will evaluate and verify the submitted documents



Scenario 1

Wireless Detectors - With Historical Reports

- ESL will submit quotation for certification based on the requirements
- Client will confirm order & make payment
- ESL will evaluate product & historical test report
- ESL will perform additional wireless verification tests
- If historical test report are not satisfactory ESL will provide additional quotation for retesting:
 - Samples will be sent to ESL facility or any other ESL authorised lab for testing.
 - Testing by ESL or ESL authorised lab
- Certifying by ESL
- ESL will prepare DXB-specific COC & submit to client
- Client will submit for product registration with DCD

Scenario 2

Wireless Detectors - New Approvals

- ESL will submit quotation for testing & certification based on the requirements
- Client will confirm order & make payment
- ESL will evaluate product
- ESL will perform additional wireless verification tests
- Samples will be sent to ESL facility or any other ESL authorised lab for testing.
- Testing by ESL or ESL authorised lab
- Certifying by ESL
- ESL will prepare DXB-specific COC & submit to client
- Client will submit for product registration with DCD