



Ministry of Interior, Qatar
General Directorate of Civil Defence
FIRE PREVENTION DEPARTMENT
SAFETY SYSTEMS DIVISION
Doha, Qatar

QCDD-FPD/PROD REV. 8 (updated as of August 2019)
MC-01-S2012

CURRENTLY RECOGNIZED PRODUCT CERTIFICATION BODIES AND TESTING LABORATORIES

No.	THIRD PARTY	COUNTRY		WEBSITE
		CERTIFICATION BODY	TESTING LABORATORY	
1	UNDERWRITERS LABORATORIES (UL)	U.S.A. Canada	U.S.A. Canada	www.ul.com
2	FACTORY MUTUAL GLOBAL APPROVALS LLC (FM) ROOFNAV	U.S.A. U.S.A.	U.S.A. U.S.A.	www.fmglobal.com www.roofnav.com
3	Verband der Sachversicherer (VDS)	Germany	Germany	www.vds.de
4	LOSS PREVENTION CERTIFICATION BOARD (LPCB-BRE)	U.K.		www.redbooklive.com
5	BUREAU VERITAS/BVI (BV)	International		www.bureauveritas.com
6	DET NORSKE VERITAS (DNV)	Norway		www.dnv.com
7	IFC Certification Ltd. (IFC)	U.K.		www.ifccertification.com
8	IMQ S.P.A (IMQ)	Italy		www.imq.it
9	GERMANISCHER LLOYDS (GL)	Germany		www.gl-group.com
10	SGS FIMKO (SGS) SGS CSTC	Finland	China	www.sgs.com
11	BM TRADA Certification Limited	U.K.		www.bmtrada.com

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No.	THIRD PARTY	COUNTRY		WEBSITE
		CERTIFICATION BODY	TESTING LABORATORY	
12	WARRINGTON TESTING AND CERTIFICATION LIMITED (WARRINGTONFIRE) EXOVA WARRINGTONFIRE	U.K.	U.K.	www.warringtoncertification.com www.warringtonfire.net www.exova.com
13	INTERTEK TESTING SERVICES NA. INC. INTERTEK TESTING & CERTIFICATION LTD.	USA UK	International	www.intertek.com
14	BSI / KITEMARK	U.K.	U.K.	www.bsigroup.com
15	MPA DRESDEN GMBH	Germany		http://www.mpa-dresden.com
16	TUV SUD PSB Pte Ltd.	Singapore	Singapore	www.tuv-sud-psb.sg
17	TUV Rheinland GROUP	Germany		www.tuv.com
	TUV RHEINLAND NETHERLANDS	Netherlands	Netherlands	
18	ANPI ASBL / ANPICERT BOSEC	Belgium	Belgium	www.anpi.eu www.anpi.be www.bosec.be
19	LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)	Spain	Spain	www.appluscorp.com
20	MPA iBMB Braunschweig	Germany		www.mpa.tu-bs.de
21	THOMAS BELL-WRIGHT International Consultants	U.A.E.	U.A.E.	www.bell-wright.com

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		CERTIFICATION BODY	TESTING LABORATORY	
22	EFFECTIS France	France	France	www.efectis.com
	EFFECTIS Era Avrasyia	Turkey	Turkey	
	EFFECTIS Nederland		Netherlands	
	EFFECTIS UK / Ireland Limited		UK	
23	DEKRA	Netherlands	Netherlands	www.dekra-certification.com/en
24	CNPP	France	France	https://www.cnpp.com
25	CONFORMITY CERTIFICATION SERVICES (CCS)	U.A.E		www.ccs-certification.com
26	TURKISH STANDARD INSTITUTE (TSE)	Turkey	Turkey	https://basvuruportal.tse.org.tr/Genel/FirmaArama.aspx#open https://basvuruportal.tse.org.tr/Genel/DeneySertifika.aspx#open
27	FIRES	Slovak Republic	Slovak Republic	https://fires.sk/en
28	CNBOP-PIB	Poland	Poland	https://www.cnbop.pl/en
29	KIWA TELIFICATION	Netherlands	Netherlands	https://www.telefication.com
30	DEDAL	Bulgaria		www.dedal-bg.net

***** Nothing Follows *****

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No.	THIRD PARTY	PRODUCTS	
		CERTIFICATION	TESTING
1	UNDERWRITERS LABORATORIES (UL)	<ul style="list-style-type: none"> • <u>Fire Detection and Alarm System</u> • <u>Gas Detection System</u> • <u>Fire Fighting System</u> • <u>Smoke and Heat Control System</u> • <u>Emergency Lighting & Emergency Power System</u> • <u>Passive Fire Protection System</u> <p><u>Other Fire Protection and Life Safety Products</u> (subject to QCDD Review & Approval)</p>	<ul style="list-style-type: none"> • <u>Fire Detection and Alarm System</u> • <u>Gas Detection System</u> • <u>Fire Fighting System</u> • <u>Smoke and Heat Control System</u> • <u>Emergency Lighting & Emergency Power System</u> • <u>Passive Fire Protection System</u> <p><u>Other Fire Protection and Life Safety Products</u> (subject to QCDD Review & Approval)</p>
2	FACTORY MUTUAL GLOBAL APPROVALS LLC (FM) ROOFNAV	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Electrical Signaling (Fire) • Alarm Signal Initiating Devices • Notification Devices • Flammable Gas Equipment • Gas Detection Instruments <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Automatic Sprinkler Systems • Hydrants & Hoses • Fire Pump Systems • Portable Extinguishers • Fixed Extinguishing Systems • Automatic Releases for Extinguishing System Units <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Heat and Smoke Vents for Roofs • Air handling System Components (Smoke Control) • Duct Insulation (Smoke Control) <p><u>Passive Fire Protection System :</u></p> <ul style="list-style-type: none"> • Fire Stopping • Fire Sealing • Fire Retardant Products • Fire Protective Boards • Reactive coating for Fire Protection of Steel Elements • Walls and Ceilings • Fire Door Frames and Accessories • Roofing Systems • Roofing Products & Assemblies • Skylights for Roofs • Miscellaneous Loss Prevention Equipment <p><u>Other Fire Protection and Life Safety Products</u> (subject to QCDD Review & Approval)</p>	<ul style="list-style-type: none"> • <u>Fire Detection and Alarm System</u> • <u>Gas Detection System</u> • <u>Fire Fighting System</u> • <u>Smoke and Heat Control System</u> • <u>Passive Fire Protection System</u> <p><u>Other Fire Protection and Life Safety Products</u> (subject to QCDD Review & Approval)</p>

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3	Vds Schadenverhuetzung GmbH (VDS)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Fire alarm devices - Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Voice Alarm and Indicating Equipment • Short Circuit Isolators • Input / Output devices • Aspirating smoke detectors • Visual alarm devices • Loudspeakers • Components using radio links • Smoke Alarm Devices <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Pillar Fire Hydrants • Hose Reels with Semi Rigid Hose <p>Fixed Fire Fighting Systems. Components of gas extinguishing systems. Requirements and test methods for</p> <ul style="list-style-type: none"> • electrical automatic control and delay devices • non-electrical automatic control and delay devices • manual triggering and stop devices • container valves assemblies and their actuators • high and low pressure selector valves and their actuators • non electrical disable devices • connectors • special fire detectors • pressure gauges and pressure switches • mechanical weighing devices • pneumatic alarm devices • check valves and non return valves <p>Fixed firefighting systems. Components for sprinkler and water spray systems.</p> <ul style="list-style-type: none"> • Sprinklers • Wet Alarm Valve Assemblies • Dry alarm valve assemblies • Water motor alarms • Water flow detectors <p>Fixed Fire Fighting Systems. Hose Systems.</p> <ul style="list-style-type: none"> • Hose systems with Hose reels with semi-rigid hose • Hose systems with lay-flat hose <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Specification for Natural smoke and heat exhaust ventilators • Power Supplies <p><u>Passive Fire Protection System :</u></p> <ul style="list-style-type: none"> • Building hardware. Controlled door-closing devices. Requirements and test methods. • Building hardware. Electrically powered hold-open devices for swinging doors. Requirements and test methods. 	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Fire alarm devices - Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Smoke detectors – Line detectors using and optical beam • Multi Sensor Fire Detectors – point detectors using a combination of smoke and heat sensors • Flame Detectors • Manual Call Points • Voice Alarm and Indicating Equipment • Short Circuit Isolators • Input / Output devices • Aspirating smoke detectors • Visual alarm devices • Loudspeakers • Components using radio links • Smoke Alarm Devices • Alarm Systems for fire • Fire Detection and Fire Alarm Systems • Compatibility assessments of systems components • Fire-brigade control and indication panel for fire detection and fire alarm system • Fire-brigade indication panel for fire detection and fire alarm system • Duct smoke detectors • Non-resettable line type heat detectors • Alarm transmission and fault warning routing equipment • Electrical control devices for oxygen reduction systems <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Wet alarm valve stations • Dry alarm valve stations • Dry alarm valve stations with and without accelerator • Pre-action alarm valve • Water spray valve stations • Shut-off valves • Feed valves • Flow measuring devices • Flow detectors • Water systems for fire extinguishing • Sprinklers and nozzles • Alarm bells • Pressure switches • Sprinkler pumps • Pipe joints, fittings & supports • Sprinkler escutcheons • Spark Extinguishing System • Proportioners • Foam generators • Foam pipes • Controllers • Hose Systems • Pillar Fire Hydrants • Fire hose valves

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	<p>(continuation...) VdS Schadenverhuetzung GmbH (VDS)</p>		<p>Fixed Fire Fighting Systems. Components of gas extinguishing systems. Requirements and test methods for</p> <ul style="list-style-type: none"> • electrical automatic control and delay devices • non-electrical automatic control and delay devices • manual triggering and stop devices • container valves assemblies and their actuators • high and low pressure selector valves and their actuators • non electrical disable devices • connectors • special fire detectors • pressure gauges and pressure switches • mechanical weight devices • pneumatic alarm devices • check valves and non return valves <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Specification for Natural smoke and heat exhaust ventilators • Fire detection and triggering devices for natural SHEVS • Pneumatic openings for natural SHEVS • Electromechanical devices for natural SHEVS • Locking of natural SHEVS • Electrical control devices for natural SHEVS • Electrical hand operated devices for natural SHEVS • Power supplies for natural SHEVS • Electrical control devices for powered smoke exhausts • Electrical hand operated devices for powered smoke exhausts • Damper actuators for powered smoke exhausts • Power supplies for powered smoke exhausts • Systems for powered smoke exhausts • Electromechanical damper actuators for exhaust vents for differential pressure systems • Power supplies to differential pressure systems • Electrical hand operated triggering devices for differential pressure systems • Equipment for differential pressure systems <p><u>Passive Fire Protection System :</u></p> <ul style="list-style-type: none"> • Building hardware. Controlled door-closing devices. Requirements and test methods. • Building hardware. Electrically powered hold-open devices for swinging doors. Requirements and test methods.

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4	LOSS PREVENTION CERTIFICATION BOARD - (LPCB-BRE)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire detection & alarm systems • Components using radio link • Control & indicating equipment • Voice Alarm Communicating Equipment • Alarm Transmission and fault warning routing • Power Supplies • Manual call points • Line units • Fire alarm devices • Extinguishing Systems, electrical automatic control and delay devices • Commercial detectors (heat detector, linear heat detector, duct detector, smoke detector, aspirating smoke detectors-point detectors, optical beam detector, flame detector, multisensory fire detector, carbon monoxide detector) • Domestic detectors (domestic smoke detector, domestic carbon monoxide detectors, heat detectors, smoke alarm for the deaf and hard of hearing) • Fire Resistant Cables <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Fire Suppression and Extinguishing Components and Systems • Fire hose reels with Semi-rigid hose • Pumps • Pipe couplings and flexible hose • Fire hose couplings and ancillary equipment • Fire fighting hose • Non-percolating layflat hoses and hose assemblies • Sprinkler heads • Valves • Fire Water Tanks • Components for Sprinkler and water spray systems (dry alarm valve assemblies, water motor alarms, water flow detectors) • Fixed Gaseous fire extinguishing systems • Fire Hydrants systems – Landing valves for wet risers • Fire Hydrants systems – Inlet breeching for dry risers • Fire blanket • Portable Fire Extinguishers <p><u>Smoke & Heat Control System :</u></p> <ul style="list-style-type: none"> • Smoke Dampers • Fire Dampers • Smoke duct sections • Fire resistant ducts • Natural smoke and heat ventilators • Powered Smoke and Heat Exhaust Ventilators • Listing of fire performance of grease filters used in commercial kitchen extract systems <p><u>Passive Fire Protection System :</u></p> <ul style="list-style-type: none"> • Fire Doorsets, Lift landing Doors and shutters • Self-supporting double skin metal faced insulating panel • Fire resistance and smoke control characteristics 	

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	(continuation...) LOSS PREVENTION CERTIFICATION BOARD - (LPCB-BRE)	<p>(pedestrian doorsets, industrial, commercial, garage doors and windows)</p> <ul style="list-style-type: none"> • Passive Fire Protection for structural steels • Wall and Floor Linear gap seals • Built-up cladding and sandwich panel systems (for external envelope of building) • Sandwich panels and built-up systems (for internal construction in buildings) • Temporary Protective covering materials • Listing for Fire performance of temporary protective covering materials for interior buildings • Fire resistance requirements for elements of construction used to provide compartmentation • Roofing Systems (protection against fire from outside the building) • Non-load bearing external cladding systems external cladding systems applied to masonry face of the building • Non-load bearing external cladding systems external cladding systems fixed to and supported by structural frames • Reaction to Fire (RTF) classification for materials and products • Fire Protection for structural steel – intumescent thin film coating system 	
5	BUREAU VERITAS/BVI - (BV)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire Detection and Alarm System Components <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Fire Hydrants 	
6	DET NORSKE VERITAS - (DNV)	<p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Sprinkler and Standpipe System Components • Automatic Extinguishing System • Fire Extinguishers <p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire Alarm System Components <p><u>Emergency Lighting and Power System :</u></p> <ul style="list-style-type: none"> • Emergency Lights 	
7	IFC Certification Ltd. (IFC)	<p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Natural smoke and heat exhaust ventilators • Powered smoke and heat ventilator • Smoke duct sections • Smoke control dampers • Power Supplies • Fire damper • Fire resisting ducts systems • Fire resisting duct sections <p><u>Passive Fire Protection System :</u></p> <ul style="list-style-type: none"> • Timber fire doors and doorset • Intumescent seals • Smoke seals 	

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	(continuation...) IFC Certification Ltd. (IFC)	<ul style="list-style-type: none"> • Air transfer grills • Metal fire doorsets • Smoke Barriers • Controlled door closing devices • Fire resisting glass • Single axis hinges • Retractable fire resistant fabric curtain • Thin film intumescent coatings for the protection of structural steel • Penetration Seals • Linear Gaps • Panic exit devices • Emergency exit devices operated by handle or push pad • Mechanically operated locks • Electrically powered hold open devices for swing doors • Fire resisting partitions and internal glazed screens • Fire safe modular buildings • Fire resisting dampers • Smoke control dampers • Rendering (spray) for the protection of structural • Boards for the protection of structural steel • Internal and external wall and ceiling finishes, internal partition kits • Fire stopping • Fire sealing and fire protective products • Fire retardant products • Smoke barrier 	
8	IMQ S.P.A (IMQ)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Fire alarm devices - Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Voice Alarm and Indicating Equipment • Short Circuit Isolators • Input / Output devices • Aspirating smoke detectors • Visual alarm devices • Loudspeakers • Components using radio links • Point fire detectors using carbon monoxide sensors • Duct smoke detectors • Non resettable line type heat detectors • Multi sensor fire detectors – Point detectors using a combination of smoke and heat sensors • Multi sensor fire detectors – Point detectors using a combination of carbon monoxide and heat sensors • Multi sensor fire detectors – Point detectors using a combination of smoke, carbon monoxide and optionally heat sensors • Smoke Alarm Devices • Electrical apparatus for the detection of combustible gases in domestic premises 	

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	(continuation...) IMQ S.P.A (IMQ)	<u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Luminaires for Emergency Lighting • Central Power Supply Systems 	
9	GERMANISCHER LLOYDS (GL)	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Sprinkler and Standpipe System Components • Automatic Extinguishing System • Fire Extinguishers <u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Fire Alarm System Components <u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Emergency Lights 	
10	SGS FIMKO (SGS) SGS CSTC	<u>Emergency Lighting and Power System</u> <ul style="list-style-type: none"> • Emergency Lights • Central Power Supply System 	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Test Method for Surface Burning Characteristic of Building Materials • Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanded Vinyl Wall Coverings on Full Height Panels and Walls • Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
11	BM TRADA Certification Limited (BM TRADA)	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Fire Door • Cylinder Locks • Fire Stopping • Building Insulation Products 	
12	WARRINGTON TESTING AND CERTIFICATION LIMITED (WARRINGTONFIRE)	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Penetration Seals • Fire Resisting Doorset and Openable Windows • Intumescent Seals • Fire resisting industrial doors • Building Hardware for Fire Doors • Fire protective products including Steelwork Protection • Linear gap products • Installed products in Construction Class B/Class C • Cavity Barriers • Air Transfer Grille • Woodbased Panel products • Products with Class 0 and Class 1 performance • Products with Class B or Class C performance • Materials of Restricted Combustibility and Non- 	

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	<p>(continuation...) WARRINGTON TESTING AND CERTIFICATION LIMITED (WARRINGTONFIRE)</p> <p>EXOVA WARRINGTON</p>	<p>combustibility</p> <ul style="list-style-type: none"> • Smoke and Toxicity • Fire protection systems for Tunnel Linings • Reaction to fire performance requirements – Rigid Cellular Foam • Mineral Fiber Products • Fire upgrading systems for previously painted surfaces • External Walls including Sandwich Panels • Separating Elements • Reaction to fire performance requirements: materials used to clad scaffolding • Reaction to fire performance requirements: materials used as temporary protective covering • The Contribution of top and bottom pivots to the performance of fire/smoke resisting door assemblies • The Contribution of electromechanically operated locks and strikes to the performance of fire resisting doorsets • The Contribution of lever handles and knob furniture to the performance of fire resisting door assemblies • The Contribution of variable geometry un-sprung and concealed hinges to the performance of fire resisting door assemblies • Ceilings • Fire Resisting Glass and Glazing Materials • Internal Partitioning Kits • External thermal insulation composite systems / kits with rendering • Metal frames building kits, units and prefabricated elements • Thermal Insulating Products • Suspended ceilings • Floor coverings • Fire protection products under EWCL2 and EWCL5 <p><u>Emergency Lighting and Power System</u></p> <ul style="list-style-type: none"> • Reaction to fire performance requirements: Electric cables 300/500v & 600/1000v fire resistant screened cables having low emission of smoke and corrosive gases when affected by fire. Multicore and multipair cables. <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Ductwork • Smoke and Fire Dampers • Powered Heat and Smoke Ventilators • Natural Heat and Smoke Ventilators 	<p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Roof Structures • Walls and Partitions • Door, Windows and Shutter Assemblies • Intumescent Seals • Glazing • Cavity Barrier • Penetration Seals • Linear Joint Seals • Building Product; Fire Classification

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	(continuation...) EXOVA WARRINGTON		<ul style="list-style-type: none"> • Building Hardware; Fire Characterization • Smoke Barrier <p style="margin-left: 20px;"><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Components for Natural Smoke and Heat Ventilators • Fire Damper • Fire Resisting Ducts
13	INTERTEK TESTING SERVICES NA. INC.	<p style="margin-left: 20px;"><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat detectors • Smoke detectors • Flame detectors • Manual Call points • Beam smoke • Compatibility assessment of system components • Voice Alarm Control and Indicating Equipment • Short circuit protection devices • Input / output devices • Aspirating smoke detectors • Transmissions equipment • Beacons • Loudspeakers • Radio devices • Duct smoke alarms • Domestic smoke alarms • Multi sensor smoke/heat • Multi sensor smoke/CO • Carbon Monoxide detectors • Smoke alarm devices <p style="margin-left: 20px;"><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Fire resistance of loadbearing elements of construction • Fire resistance of non-loadbearing elements of construction • Tests methods for determining the contribution to the fire resistance of structural members. Applied protection to steel members • Tests methods for determining the contribution to the fire resistance of structural members. Applied reactive protection to steel members • Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services • Fire Doorset, Windowset and Components • Firestop Systems • Fixtures for Recessed Installation in Fire Rated Constructions • Roof Coverings Systems • Roof/Ceiling, Floor/Ceiling, Beam & Column Assemblies • Wall Assemblies and Components • Exterior Insulation and Finish Systems (EIFS) 	<p style="margin-left: 20px;"><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat detectors • Smoke detectors • Flame detectors • Manual Call points • Beam smoke • Compatibility assessment of system components • Voice Alarm Control and Indicating Equipment • Short circuit protection devices • Input / output devices • Aspirating smoke detectors • Transmissions equipment • Beacons • Loudspeakers • Radio devices • Duct smoke alarms • Domestic smoke alarms • Multi sensor smoke/heat • Multi sensor smoke/CO • Carbon Monoxide detectors • Smoke alarm devices <p style="margin-left: 20px;"><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Fire resistance of loadbearing elements of construction • Fire resistance of non-loadbearing elements of construction • Tests methods for determining the contribution to the fire resistance of structural members. Applied protection to steel members • Tests methods for determining the contribution to the fire resistance of structural members. Applied reactive protection to steel members • Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services • Fire Doorset, Windowset and Components • Firestop Systems • Fixtures for Recessed Installation in Fire Rated Constructions • Roof Coverings Systems • Roof/Ceiling, Floor/Ceiling, Beam & Column Assemblies • Wall Assemblies and Components • Exterior Insulation and Finish Systems (EIFS) • Fire-resistance tests - elements of building construction part 1: general requirements • Fire resistance tests - elements of building construction part 2: alternative and additional procedure

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	INTERTEK TESTING & CERTIFICATION LTD.	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control & Indicating Equipment • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Beam Detectors • Compatibility Assessment of System Components • Voice Alarm Control & Indicating Equipment • Short Circuit Isolators • Input / Output Devices • Aspirating Smoke Detectors • Transmission Equipment • Beacons • Loudspeakers • Radio Devices • Duct Smoke Detectors • Domestic Smoke Alarms • Carbon Monoxide Point Detectors • Multi-Sensor Fire Detectors smoke/heat • Multi-Sensor Fire Detectors smoke/CO • Multi-Sensor Fire Detectors smoke/CO and optionally heat sensors • Carbon Monoxide Detectors <p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Fire Doors and Fire Door Hardware • Load bearing and Non-load bearing elements 	
14	BSI/KITEMARK (BSI)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire Alarm System Components • Smoke Detectors • Heat Detectors • Multi Criteria Detectors • Manual Call Points • Short Circuit Isolators • Input / Output Devices • Sounders • Fire Extinguishing Panels • Manual Release and Hold Devices • Power Supply Equipment • Control & Indicating Equipment (Fire Panels) • Beam Detectors • Flame Detectors • Voice Alarm System • Loudspeakers • Voice Alarm Control & Indicating Equipment • Carbon Monoxide Alarms • Combustible Gas Alarms • Domestic Smoke Alarms • Domestic Heat Alarms • Compatibility Assessment of System Components • Visual Alarm Devices 	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control & indicating equipment • Heat Detector • Manual Call Point • Power Supply Equipment • Smoke Detectors • Compatibility Assessment of System Components • Sounders • Loudspeakers • Voice Alarm Control and Indicating Equipment • Short Circuit Isolators • Input/Output Devices • Visual Alarm Devices • Heat Alarm • Smoke Alarm <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Portable Fire Extinguishers • Hose Reels • Fire Hose • Fire Hydrants • Fire Hose Couplings • Valves

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	(continuation...) BSI/KITEMARK (BSI)	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Sprinkler and Standpipe System Components, • Automatic Extinguishing System • Fire Extinguishers • Aerosol Fire Extinguishers • Lay flat Hose • Semi-rigid Hose • Pillar Hydrants • Fire Blankets • Fire Hose Reels • Mobile Fire Extinguishers • Ancillary Equipment • Landing Valve and Wet Riser • Landing Valve and Dry Riser • Inlet Breeching for Dry Riser Inlets • Fixed Fire Fighting Systems – Gas Extinguishing Systems <u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Emergency Lights • Central Power Supply Systems • Automatic test systems for battery powered emergency escape lighting, • Components for Emergency Lighting Luminaires (LED Drivers, ballasts, electronic modules and miscellaneous electronics) <u>Smoke and Heat Control System :</u> <ul style="list-style-type: none"> • Smoke and heat control systems - Specification for powered smoke and heat exhaust ventilators <u>Passive Fire Protection :</u> <ul style="list-style-type: none"> • Fire Doors 	<u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Emergency Luminaires • Requirements for DC Supplied Electronic Ballast for Emergency Lighting • Automatic test for battery powered emergency escape lighting • Central Power Supply Systems
15	MPA DRESDEN GMBH	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Portable Fire Extinguisher • Mobile Fire Extinguisher • Fire Extinguishing Agents <u>Passive Fire Protection :</u> <ul style="list-style-type: none"> • Fire Protection Penetration Seals and Linings • Fire-resistant storage cabinet • External thermal insulation material / kits with rendering • Floor Covering • Roof coverings, rooflights, roof window and ancillary products for purposes subject to guidelines on fire behavior • Internal and external wall and ceiling finishes • Prefabricated load bearing panels made of woods and wood based materials and light weight (self-supporting) composites 	

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		CERTIFICATION	TESTING
16	TUV SUD PSB Pte Ltd.	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire Alarm Panel • Fire Resistant Cable • Manual Call Points <p><u>Emergency Lighting & Emergency Power System :</u></p> <ul style="list-style-type: none"> • Emergency exit sign • Self-luminous fire safety sign • Emergency Lighting & power pack <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Fire extinguisher • Breeching inlet • Landing valve • Fire fighting hose (Standby hose) • Fire hose reel • Fire Extinguishing System <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Fire damper • Air Distribution Duct Supplementary Material • Fire Rated Duct System <p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Raised Floor Panel • Composite Panel (Cladding to External Wall) • Fire Retardant Solution / Paint • Thermal Insulation Material • Finishing material for wall / ceiling • Material for wall / ceiling construction • Roof covering material • Smoke curtain fabric • Fire rated sliding / swing door • Bin / Linen Chute Door • Door Closers • Fire Rated Collar • Fire Rated Partition Compartment Walls • Fire Rated Partition – Protected Shaft Enclosing Lift • Fire Rated Partition – Partition Shaft Enclosing Staircase and Services • Fire Rated Ceiling - Compartmentation • Fire Rated Ceiling – Protected to timber / steel flooring • Fire Rated Enclosure – Protected to steel structure • Fire Rated Enclosure – Protected to firefighting system • Fire Rated Enclosure – Protected to building services • Smoke Curtain System • Fire Stopping Material • Fire Rated Glass Block / Partition / Panel • Fire Rated Lift Landing / Dumb Waiter Door / Hatch Door • Fire Shutter / Fire Curtain • Fire Rated Refuse Hopper • Intumescent Coating Systems (for protection to steel structure) • UPVC Window Frame Material 	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Fire Alarm Panel • Fire Resistant Cable • Bunch Wires or Cables (Flame Propagation) <p><u>Emergency Lighting & Emergency Power System :</u></p> <ul style="list-style-type: none"> • Emergency and Exit sign • Central Power Supply <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Fire extinguisher • Lay flat Hose • Semi-rigid Hoses • Fire Extinguishers • Landing Valves • Breeching Inlets • Cast Iron Pipes & Fittings <p><u>Passive Fire Protection :</u> Reaction to Fire</p> <ul style="list-style-type: none"> • Building Material • Doors • Doors Shutters • Partition Walls • Wall Dampers

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17	TUV Rheinland GROUP	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Fixed Automatic Extinguishing Systems • Fire Extinguishers, Hydrants • Sprinkler and Standpipe System Components <u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Fire Alarm System Components <u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Emergency Lights <u>Smoke & Heat Control System :</u> <ul style="list-style-type: none"> • Powered Smoke and Heat Exhaust Ventilato • Fire Rated Ducts <u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Fire Rated Doors and Windows • Dampers • Fire Curtains/ Shutters • Sealants • Intumescent Paints • Spray Coatings • External Cladding Materials • Composite Panels 	
	TUV Rheinland Netherlands	<u>Smoke & Heat Control System :</u> <ul style="list-style-type: none"> • Natural Smoke and Heat Exhaust Ventilator <u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Fire Resisting Glass • Fire Doorsets • Curtain Walling • Resilient Floor Covering • Smoke Curtain 	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Fire Resisting Glass
18	ANPI ASBL ANPICERT BOSEC	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Hose reels with semi rigid hose • Hose systems with lay-flat hose • Gas Extinguishing System <u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Heat detectors – point detectors • Smoke detectors – point detectors using scattered light, transmitted light or ionization • Control and indicating equipment • Power supply equipment • Fire alarm devices – sounders • Short circuit isolators • Input/output devices • Manual Call Point • Smoke detectors – Line detectors using an optical beam • Voice alarm control and indicating equipment • Components of voice alarm systems – loudspeakers • Components using radio link • Smoke Alarm 	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Firefighting: Mobile and fixed manual means for particular and first intervention teams • Portable fire extinguishers • Fire blankets • Portable fire-extinguishing aerosols generators • Hydrants and Hose Reels • Extinguishing automatic system • Extinguishing products (foams, powders, gas) • Fire hydraulic extinguishing systems (sprinklers) • Fixed gas extinguishing systems • Fixed extinguishing control and indicating equipment • Fire detection with extinguishing modules • Manual triggering and stop devices for gas extinguishing systems • Extinguishing module for industrial fryers • Extinguishing module for boilers <u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Alarm devices • Point type heat detector • Point type smoke detector

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		CERTIFICATION	TESTING
			<ul style="list-style-type: none"> • Manual call device • Vocal alarm and evacuation devices: VACIE • Power supply equipment • Smoke detectors using scattered light, transmitted light or ionization • Multi-sensor detector • Stand alone smoke detector • Components using radio links • Short circuit isolators • Control and Monitoring modules <p><u>Emergency Lighting & Emergency Power System :</u></p> <ul style="list-style-type: none"> • Emergency Lights
19	LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors – Point detectors using scattered light, transmitted light or ionization • Flame Detectors • Manual Call Point • Smoke Detectors – Line detectors using an opticle light beam • Compatibility Assessment of System components • Voice alarm control and indicating equipment • Short circuit isolators • Input/output devices • Aspirating smoke detectors • Alarm transmission and fault warning routing equipment • Fire alarm devices – Visual alarm devices. • Components of Voice Alarm Systems • Components using radio links • Smoke alarm devices <p><u>Emergency Lighting & Power System :</u></p> <ul style="list-style-type: none"> • Power, control and communication cable, cables for general in construction works subject to reaction to fire requirements <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Natural smoke and heat ventillators • Powered smoke and heat ventillators • Specification for pressure diferrential. Kits • Smoke duct sections • Smoke control dampers • Power supplies • Fire Dampers • Pressure diferrential system. Kits • Fire resistance of ventilation ducts • Fire Resistive Metallic HVAC Duct Systems • Single compartment smoke extraction ducts • Fire classification of construction products and building elements. Classification using data from fire resistance tests on products and elements used in building service installation: fire resisting ducts and dampers • Classification using data from fire resistance tests on components of smoke control systems 	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Sounders • Heat Detectors • Smoke Detectors – Point detectors using scattered light, transmitted light or ionization • Manual Call Point • Short circuit isolators • Input/output devices • Components of Voice Alarm Systems • Smoke alarm devices <p><u>Emergency Lighting & Power System :</u></p> <ul style="list-style-type: none"> • Power, Control and Communication Cables. Vertical flame propagation. Procedure for 1kW pre-mixed flame • Fire class. of power, control and communication cables <p><u>Passive Fire Protection :</u></p> <p>Fire Testing</p> <ul style="list-style-type: none"> • Fire Resistance, general requirements • Fire Resistance, alternative and additional procedures • Non-load bearing walls • False ceilings • Curtain walling • Load bearing walls • Floors and roofs • Beams • Pillars • Balconies and walkways • Stairs • Fire tests on building materials and structures • Fire resistance of loadbearing elements of construction • Fire resistance of non-loadbearing elements of construction • Building construction and materials • Building Constructions and Materials, Fire resistance • Building Constructions and Materials • Penetration seals • Linear joint seals • Service ducts and shafts • Raised access and hollow core floors • Conveyor systems and their closures • Fire resistance. Penetration seals

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		CERTIFICATION	TESTING
	(<i>continuation...</i>) LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)	<u>Passive Fire Protection :</u> <ul style="list-style-type: none"> • Pedestrian doorsets, industrial, commercial, garage doors and openable windows – Product standard, performance characteristics – Fire resisting and/or smoke control characteristics • Emergency exit devices operated by a lever handle or push pad for use on escape routes • Panic exit devices operated by a horizontal bar, for use on escape routes • Controlled closing devices • Electrically powered hold open devices for swing fire doors • Door coordinator devices • Single-axis hinges • Locks and latches mechanically operated • Locks and latches electromechanically operated • Smoke barriers • Non-load bearing walls • False Ceilings • Curtain walling • Air transfer grilles • Load bearing walls • Floors and roofs • Fire resistance of loadbearing elements of construction • Fire resistance of non-loadbearing elements of construction • Building construction and materials • Penetration Seals • Linear Joint Seals • Doors and gap closing elements and openable windows • Door assemblies • Door Assemblies. Positive pressure fire test • Horizontal protective membranes • Vertical protective membranes • Protection of concrete • Protection of Steel Structures • Concrete/profiled sheet composite • Concrete filled hollow steel columns • Steel beams with web opening • Protection to solid steel bar in tension • Contribution of Components to the Fire Resistance of a Structure • Fire Classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services • Hose stream • Rapid Rise Fire Tests of Protection Materials for Structural Steel <u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Hose reels with semi-rigid hose • Hose systems with lay-flat hose • Sprinklers • Wet alarm valve assemblies • Dry alarm valve assemblies • Water flow detectors • Pillar fire hydrants Fixed Fighting Systems. Components for gas extinguishing systems: <ul style="list-style-type: none"> • Electrical automatic control and delay devices 	<ul style="list-style-type: none"> • Window Assemblies, Fire resistance • Fire tests to door assemblies • Door Assemblies: Positive Pressure Fire Tests • Fire protective curtains • Vault and file room doors • Fire damper walkways • Door Assemblies • Through-penetration firestops • Smoke door assemblies and other opening protectives • Horizontal protective membranes • Vertical protective membranes • Protection of concrete • Protection of steel structures • Concrete/profiled sheet composite • Concrete filled hollow steel columns • Protection of wood structures • Protection of steel structure • Protection systems to steel beams with web opening • Protection to solid steel bar in tension. Contribution to the fire resistance of structural members • Coverings - Determination of fire protection ability • Resistance to jet fires of passive fire protection materials and systems • Components to the fire resistance of a structure • Fire class. of construction products and building elements Classification using data from reaction to fire tests • Fire class. of construction products and building elements excluding ventilation services • Fire classification of external fire exposure to roofs tests • Extended application of test results for fire resistance • Extended application reports on the fire performance • Doorsets and openable windows with fire resisting and/or smoke control characteristics - Requirements and classification • Secure storage units • Hose stream • Rapid Rise Fire Tests of Protection Materials for Structural Steel • Electric circuit protective system • NFPA 215 • Flame Chamber • Flammability and flame propagation (wire) • Flame penetration • Emergency exit devices operated by a lever handle or push pad for use on escape routes • Panic exit devices operated by a horizontal bar, for use on escape routes • Controlled closing devices • Electrically powered hold open devices for swing fire doors • Door coordinator devices • Single-axis hinges <u>Smoke and Heat Control System :</u> <ul style="list-style-type: none"> • Smoke extraction ducts

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		CERTIFICATION	TESTING
	<p><i>(continuation...)</i> LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)</p>	<ul style="list-style-type: none"> • Non-electrical automatic control and delay devices • Manual triggering and stop devices • Container valve assemblies and their actuators • High and low pressure selector valves and their actuators • Non-electrical disable devices • Connectors • Special fire detectors • Connectors pressure gauges • Mechanical weighing devices • Mechanical for pneumatic alarm devices • Check valves and non-return valves 	<ul style="list-style-type: none"> • Single compartment smoke extraction ducts • Ducts • Smoke dampers • Fire dampers • Non-mechanical fire barrier for ventilation ductwork • On-mechanical fire barrier for ventilation ductwork • Smoke Barriers • Natural smoke & heat • Smoke and heat control systems • Fire Resistive Metallic HVAC Duct Systems • Smoke control test for door and shutters • Fire resistance of ventilation ducts • Fire classification of construction products and building elements. Classification using data from fire resistance tests on products and elements used in building service installation: fire resisting ducts and dampers • Classification using data from fire resistance tests on components of smoke control systems • Curtain walling <p><u>Fire Fighting System :</u> Fixed Fighting Systems. Components for gas extinguishing systems:</p> <ul style="list-style-type: none"> • Electrical automatic control and delay devices • Manual triggering and stop devices
20	<p>MPA iBMB Braunschweig</p>	<p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Natural Smoke and Heat Exhaust Ventilators • Powered Smoke and Heat Exhaust Ventilators • Smoke Duct Section • Smoke Control Dampers • Fire Dampers <p><u>Emergency Lighting and Power System :</u></p> <ul style="list-style-type: none"> • Power, Control & Communication Cables subject to reaction to fire <p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Fire Doors and Shutters • Smoke Barriers • Reactive Coatings • Rendering and Rendering kits • Fire Protective Boards, Slab and Mat products and kits • Penetration Seals • Linear Joint & Gap Seals • Gypsum Boards 	

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21	THOMAS BELL- WRIGHT IC	<p><u>Passive Fire Protection :</u> Fire Rated Doors and Hardware</p> <ul style="list-style-type: none"> • Steel Doors • Wooden Doors • Composite Doors • Fully Glazed Doors • Door Hardware • Rolling Shutter • Sliding Fire Door <p>Fire Rated Separating Constructions</p> <ul style="list-style-type: none"> • Gypsum based wall construction (steel and stud) • Insulated and un-insulated Block walls as load and non-load bearing construction types • Glazed fixes and opening windows • Fully glazed partition, facades and skylights • Suspended Ceiling • Floors (timber, concrete, steel based and glazed units) • Permanent and demountable partitions <p>Exterior Wall Assemblies, Claddings, Curtain Walls, Building Materials, Products & Assemblies</p> <ul style="list-style-type: none"> • Exterior Insulation Finish Systems(EIFS) or Synthetic Stucco • Metal composite material cladding(MCM) • High Pressure Laminates • Structural Insulation Panel Systems (SIPS) and Insulated Sandwich Panel Systems (with Foam or Rockwool insulation) • Weather-resistive Barriers • External timber paneling and facades including laminated timber <p>• Building Materials, Products and Assemblies:</p> <ul style="list-style-type: none"> - Pipe & Duct Insulation materials - Textile, Paper or Polymeric (including vinyl) wall or ceiling coverings and of facing and wood veneers intended to be applied on site over a wood substrate - Caulks & Sealants - Tapes - Reflective Insulation, Radiant barrier and Vinyl stretch ceiling Materials - Site-Fabricated Stretch Systems - Wood products - Adhesives - Batt or blanket type insulating materials - Coating Materials - Cementitious Mixtures - Sprayed Fibers - Plastics - Composite assemblies/panels - Flooring <ul style="list-style-type: none"> • Fire Doors <p>Single system manufacture of fire doors by licensed fabricators as both basic fire door cores for further processing and/or semi-finished door leaves and frames for minor adjustment and decoratively finished by licensees</p> <ul style="list-style-type: none"> • Safety Glass 	<p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • BUILDING CONSTRUCTION COMPONENTS AND MATERIALS <p>Fire resistance (General Requirements) Reaction to Fire - surface burning characteristics Reaction to fire - non-combustibility Reaction to fire – ignitability Reaction to fire (calorific value) Reaction to fire (cone calorimeter)</p> <ul style="list-style-type: none"> • BUILDING PRODUCTS (EXCLUDING FLOORINGS) <p>Reaction to fire – single burning item</p> <ul style="list-style-type: none"> • FLOOR COVERINGS <p>Reaction to fire - critical radiant flux of floor-covering systems</p> <ul style="list-style-type: none"> • PLASTICS <p>Reaction to fire – ignition temperature</p> <ul style="list-style-type: none"> • FIRE DOORS AND SHUTTERS <p>Fire resistance</p> <ul style="list-style-type: none"> • WALLS AND PARTITIONS -non load bearing <p>Fire resistance</p> <ul style="list-style-type: none"> • CURTAIN WALLING <p>Fire resistance</p> <ul style="list-style-type: none"> • NON-LOADBEARING EXTERNAL CLADDING SYSTEMS <p>Reaction to fire</p> <ul style="list-style-type: none"> • EXTERNAL CLADDING SYSTEMS <p>Reaction to fire – fire propagation and classification</p> <ul style="list-style-type: none"> • EXTERNAL THERMAL INSULATION <p>Classification of fire performance of external thermal insulation for walls of multi-storey buildings</p> <ul style="list-style-type: none"> • EXTERNAL WALL ASSEMBLIES <p>Reaction to fire (ignitability using a radiant heat energy source)</p> <ul style="list-style-type: none"> • GLAZING <p>Fire resistance</p> <ul style="list-style-type: none"> • DAMPERS <p>Fire resistance</p> <ul style="list-style-type: none"> • PENETRATION SEALS <p>Fire resistance</p> <ul style="list-style-type: none"> • HOSE STREAM APPLICATION <p>Integrity of building elements after fire exposure</p> <ul style="list-style-type: none"> • CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS <p>Fire classification</p> <ul style="list-style-type: none"> • Large-scale Fire Propagation Testing <p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • SMOKE MANAGEMENT SYSTEMS <p>Hot smoke test</p>

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22	EFFECTIS France	<p><u>Smoke and Heat Control System :</u></p> <ul style="list-style-type: none"> • Fire Dampers • Smoke barrier • Natural smoke and heat exhaust ventilators • Powered smoke and heat exhaust ventilators • Smoke duct sections • Smoke control damper <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Components for gas extinguishing systems – high and low pressure selector valves and their actuators • Components for gas extinguishing systems – connectors • Components for gas extinguishing systems – pressure gauges and pressure switches • Components for gas extinguishing systems - check valves and non-return valves <p><u>Emergency Lighting and Power System :</u></p> <ul style="list-style-type: none"> • Cables for general applications in construction works subject to reaction to fire requirements <p><u>Passive Fire Protection :</u></p> <ul style="list-style-type: none"> • Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services • Fire classification of construction products and building elements. Classification using data from reaction to fire tests, excluding ventilation services • Fire stopping, Fire sealing and fire protective products – General • Reactive coating for fire protection of steel elements • Rendering and Rendering Kit intended for fire resisting applications • Fire protective board, slab and mat product and kit • Fire resistance of loadbearing elements of construction • Fire resistance of non-loadbearing elements of construction • Pedestrian doorsets, industrial, commercial, garage doors and openable windows — Product standard, performance characteristics — Fire resisting and/or smoke control characteristics • Wall Assemblies and Components • Glazed elements (windos, partition doors, floors) • Building Materials, Products and Assemblies: <ul style="list-style-type: none"> - wall covering - floor covering - Thermal insulation products - Sandwich panels - Wood based products 	<p><u>Passive Fire Protection :</u></p> <p>Fire Resistance Test General requirements Alternative and additional procedures Elements of building construction – general requirements Fire test on building materials and structures. Method for determination of the fire resistance of elements (general principles</p> <ul style="list-style-type: none"> • Construction elements – resistance to fire <p>Test methods for determining the contribution to fire resistance of structural members</p> <ul style="list-style-type: none"> • Horizontal protective membranes • Vertical protective members • Applied protection to concrete members • Applied passive protection to steel members • Applied reactive protection to steel members <p>Methods of determination of the fire resistance of non-load bearing elements of construction</p> <ul style="list-style-type: none"> • Walls • Ceilings • Curtain walls – full configuration • Curtain walls – part configuration • Doors, shutters and openable windows • Elements of building hardware • Landing door fire resistance test <p>Methods of determination of the fire resistance of load bearing elements of construction</p> <ul style="list-style-type: none"> • Walls • Floors and roofs • Beams • Columns <p>Fire resistance test for service installation</p> <ul style="list-style-type: none"> • Ducts • Fire dampers • Penetration seals • Raised access floors and hallow floors • Smoke extraction ducts • Smoke control dampers • Fire resisting ducts and dampers <p>Resistance to Fire - classification</p> <ul style="list-style-type: none"> • Fire dampers • Penetration seals • Linear joint seals • Raised access floors and hallow floors • Smoke extraction ducts • Smoke compartment ducts • Smoke control dampers • Specification for smoke barriers • Specification for natural smoke and heat exhaust ventilators • Specification for powered smoke and heat exhaust ventilators • Components of smoke control systems

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	(continuation...) EFFECTIS Nederland		<ul style="list-style-type: none"> • Bulkheads and decks • Non-load-bearing elements: partition walls • Non-load-bearing elements: curtain walls • Load-bearing elements: partition walls • Load-bearing elements: floors and roofs • fire baffles • Joints • Fire Doors and hatches • Floor coverings • Construction materials and products (fire class and fire resistance) • Passive protection applied to steel structures • Reactive protection applied to steel structures • Roofs • Cable support systems • fire doors and hatches (smoke resistance) • Plasterboard, blocks, ceiling elements and plaster, fibrous cast plaster elements, including relevant associated products • Wood-based sheet material, with or without a veneered or protective covering • Fixed floor finishes • Kits for partition walls: Applications covered by the fire performance regulations • Kits for partition walls: Fire compartments • Curtain wall systems • Flat and profiles sheeting • Pan-tiles, roofing slates, roofing tiles and roofing • Prefabricated composite or sandwich panels • Skylights • Roof windows • Eaves and boarding • Internal and external finishes for walls and ceilings • Panels • Rolls of wall covering Ceiling claddings Shingles Cladding Suspended ceilings (construction kits) • Visible profiles • Load-bearing structures • Construction kits for self-supporting transparent roofs (with the exception of construction kits with glazed elements) • Thermal insulation products • Products with fire-retardant and fire-sealing properties • Fire-resistant products (including coatings) • Flat and curved glass, U-profile glass, Insulating glass elements, Glass blocks, Glass-block wall panels <p><u>Smoke and Heat Control Systems</u></p> <ul style="list-style-type: none"> • Ducts • Natural smoke and heat exhaust ventilators • Ventilation ducts fitted with fire baffles <p><u>Passive Fire Protection</u></p> <ul style="list-style-type: none"> • Building Elements General • Structural Members • Load bearing elements • Non-load bearing elements • Building Material reaction to fire
	EFFECTIS UK / Ireland		

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		CERTIFICATION	TESTING
	(continuation...) EFFECTIS UK / Ireland		<ul style="list-style-type: none"> • Fire Classification <u>Smoke and Heat Control Systems</u> <ul style="list-style-type: none"> • Smoke barriers • Natural smoke and heat exhaust ventilators
23	DEKRA	<u>Emergency Lighting & Emergency Power System :</u> <ul style="list-style-type: none"> • Luminaires for Emergency Lighting • Lamp Control Gear. Battery supplied electronic controlgear for emergency lighting <u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Fire rated cables 	
24	CNPP	<u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Control and Indicating Equipment • Fire alarm devices – Sounders • Power supply equipment • Heat Detectors – Point detectors • Smoke detectors – Point detectors • Flame detectors – Point detectors • Manual call points • Smoke detectors – Line detectors • Voice alarm control and equipment • Short-circuit isolators • Input/Output devices • Aspiratingsmoke detectors • Alarm transmission and fault warning routing equipment • Fire alarm devices – visual alarms • Loadspeakers • Components using radio links • Smoke alarm devices <u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Sprinklers • Wet alarm valve assemblies • Dry alarm valve assemblies • Water motor alarms • Water flow detectors Components of Gas Extinguishing System <ul style="list-style-type: none"> • Electrical automatic control and delay devices • Non-electrical automatic control and delay devices • Manual trigerring and stop devices • Container valve assemblies and their actuators • Non-electrical disable devices • Connectors • Special fire detectors • Pressure gauges and pressure switches • Check valves and nonreturn valves <u>Smoke and Heat Control System:</u> <ul style="list-style-type: none"> • Smoke control dampers • Fire dampers • Power Supplies for Smoke and heat control systems <u>Passive Fire Protection :</u> <ul style="list-style-type: none"> • Doors, windows, shutters, blinds, gates and related 	<u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Control and Indicating Equipment • Fire alarm devices – Sounders • Power supply equipment • Heat Detectors – Point detectors • Smoke detectors – Point detectors • Flame detectors – Point detectors • Manual call points • Smoke detectors – Line detectors • Voice alarm control and equipment • Short-circuit isolators • Input/Output devices • Aspiratingsmoke detectors • Alarm transmission and fault warning routing equipment • Fire alarm devices – visual alarms • Loadspeakers • Components using radio links • Smoke alarm devices

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		CERTIFICATION	TESTING
	(continuation...) CNPP	building hardware (1/1) : - Windows (with or without related hardware) (fire/smoke compartmentation and on escape routes), Doors and gates (with or without related hardware) (fire/smoke compartmentation and on escape routes.	
25	CONFORMITY CERTIFICATION SERVICES (CCS)	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Load and Non-Load Bearing Fire Rated Doors and Shutters • Building Enclosure (Building Materials and Assemblies 	
26	TURKISH STANDARD INSTITUTE (TSE)	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Thermal insulation products for buildings • Fire Rated Doorset and Window 	<u>Passive Fire Protection System :</u> Construction Materials and Transportation Sector <ul style="list-style-type: none"> • Reaction to Fire tests for products – determination of gross heat of combustion (calorie value) • Reaction to fire test – non-combustibility test • Reaction to fire test for building products – ignitability test of products subjected to direct impingement of flame – part 2: single-flame source test • Reaction to fire test for building products – building products excluding floorings exposed to the thermal attack by a single burning item • Reaction to fire test for floorings – part 1 determination of burning behavior using a radiant heat source • Test methods of external fire exposure to roofs • Fire classification of building products and elements – part 1: classification using data from reaction to fire tests • Thermal insulating materials for building application – determination of organic content • Reaction to fire test – spread of flame – part 2: lateral spread on building and transport products in vertical configuration • Plastics- smoke generation – part 2 determination of optical density by a single chamber test • Determination of smoke toxicity in the test chamber using FTIR Spectroscopy • Reaction to fire tests – heat releases, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) • Reaction to fire tests – heat releases, smoke production and mass loss rate – Part 2: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) • Plastics – determination of burning behavior by oxygen index – Part 2 ambient temperature test • Standard test method for specific optical density of smoke generated by solid materials • Fire classification of construction products and building elements - part 5: classification using data from external fire exposure to roof tests Fire Classification of Construction Products and Building Elements <ul style="list-style-type: none"> • Walls • Ceilings

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No.	THIRD PARTY	PRODUCTS	
		CERTIFICATION	TESTING
	(continuation...) TURKISH STANDARD INSTITUTE (TSE)		<ul style="list-style-type: none"> • Curtain Walling – Full Configuration • Curtain Walling – Part Configuration • Floors and Roofs • Beams • Columns • Linear Joint Seals • Horizontal and Protective Membranes • Vertical Protective Membranes • Applied Protection to Concrete Members • Applied Passive Protection to Steel Members • Fire Resistance Doors and Shutter Assemblies and Openable Windows • Door, Shutter and Openable Windows Assemblies and Elements of the Building Hardware • Smoke Control Doors and Shutter Assemblies • Light Fire Storage Units • Landing Doors • Safety Storage Cabinets for Flammable Liquids • Safety Cabinets for Pressure Gas Cylinder • Smoke Barriers • Non-loading Construction Products • Raised Access Floors and Hollow Floors • Penetration Seals • Applied Reactive Protection to Steel Members • Building Elements Construction Elements – Resistance to Fire <ul style="list-style-type: none"> • Loadbearing • Electric Cables – Resistance to Fire • Fire Test of Door Assemblies • Double Skin Metal Faced Insulating Panels
27	FIRES	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Roof coverings. Continuous rooflights of plastics with or without upstands with fire performance • Pedestrian doorsets, industrial, commercial, garage doors and openable windows with performance and/or smoke control characteristics Suspended Ceilings with fire performance <u>Smoke and Heat Control System :</u> <ul style="list-style-type: none"> • Fire Dampers. • Smoke Barriers • Smoke Control Dampers • Smoke Duct Sections • Natural Smoke and Heat Exhaust Ventilators • Powered Smoke and Heat Exhaust Ventilators 	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Construction products with Fire Resistance • Construction products preventing smoke leakage (smoke control) • Construction products (reaction to fire)
28	CNBOP-PIB	<u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Line Detectors using an optical light beam • Voice alarm control and indicating equipment • Short-circuit isolators 	<u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Fire alarm systems • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Line Detectors using an optical light beam • Voice alarm control and indicating equipment • Short-circuit isolators

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No.	THIRD PARTY	PRODUCTS	
		CERTIFICATION	TESTING
	(continuation...) CNBOP-PIB	<ul style="list-style-type: none"> • Input/output devices • Aspirating smoke detectors • Alarm transmission and fault warning routing equipment • Visual alarm devices • Loudspeakers • Components using radio links • Smoke alarm devices <p><u>Emergency Lighting and Power System :</u></p> <ul style="list-style-type: none"> • Power cables, control cables and communication cables. Reaction to Fire • Reaction to fire of cables <p><u>Smoke & Heat Control System :</u></p> <ul style="list-style-type: none"> • Natural smoke and heat exhaust ventilators • Smoke control dampers • Power supplies • Fire dampers <p><u>Fire Fighting System</u></p> <ul style="list-style-type: none"> • Hose reels with semi-rigid hose • Hose systems with lay-flat hose • Electrical automatic control and delay devices • Manual triggering and stop devices • Sprinklers • Pillar fire hydrants 	<ul style="list-style-type: none"> • Input/output devices • Aspirating smoke detectors • Alarm transmission and fault warning routing equipment • Resettable line type heat detector • Visual alarm devices • Loudspeakers • Components using radio links • Duct smoke detector, Air duct detector housing • Multi criteria fire detector • Remote indicator <p><u>Emergency Lighting and Power System :</u></p> <ul style="list-style-type: none"> • Emergency lighting systems • Luminaires for emergency lighting • Electrical cables and wires Rated voltage: up to 80/30 kV Outside diameter: up to 100 mm • Safety signs <p><u>Smoke & Heat Control System :</u></p> <ul style="list-style-type: none"> • Electro-mechanical fire dampers • Manual buttons for smoke-vent system Control and indicating equipment for ventilation and smoke exhaust devices Driver of smoke ventilation <p><u>Fire Fighting System</u></p> <ul style="list-style-type: none"> • Extinguishing electrical control systems • Extinguishing control and indicating equipment • Manual triggering and stop devices (electrical) • Network of control and indicating equipment for fire protection equipment • Panel of parallel signaling • Control and indicating equipment for fire protection equipment Integrating devices for fire protection equipment
29	KIWA Telefication	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Line Detectors using an optical light beam • Voice alarm control and indicating equipment • Short-circuit isolators • Input/output devices • Aspirating smoke detectors • Alarm transmission and fault warning routing equipment • Loudspeakers • Components using radio links • Smoke Alarm Devices 	<p><u>Fire Detection and Alarm System :</u></p> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Manual Call Points • Compatibility assessment of system components • Voice alarm control and indicating equipment • Short-circuit isolators • Input/output devices • Alarm transmission and fault warning routing equipment • Visual Alarm Devices • Loudspeakers • Components using radio links • Smoke Alarm <p><u>Fire Fighting System :</u></p> <ul style="list-style-type: none"> • Components of Gas Extinguishing Systems

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No.	THIRD PARTY	PRODUCTS	
		CERTIFICATION	TESTING
	(continuation...) KIWA Telefication	<u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Electrical automatic control and delay devices • Manual triggering and stop devices • Special Fire Detector • Pneumatic Alarm Devices <u>Smoke & Heat Control System :</u> <ul style="list-style-type: none"> • Power Supplies 	
30	DEDAL	<u>Fire Detection and Alarm System :</u> <ul style="list-style-type: none"> • Control and Indicating Equipment • Sounders • Power Supply Equipment • Heat Detectors • Smoke Detectors • Flame Detectors • Manual Call Points • Line Detectors using an optical light beam • Voice alarm control and indicating equipment • Short-circuit isolators • Input/output devices • Aspirating smoke detectors • Alarm transmission and fault warning routing equipment • Loudspeakers • Components using radio links • Smoke Alarm Devices <u>Fire Fighting System :</u> <ul style="list-style-type: none"> • Dry Alarm Valve • Pillar Fire Hydrant • Hose Reels with semi-rigid hose • Hose Systems with lay-flat hose • Sprinklers • Water Motor Alarms • Water Flow Detectors • Wet Alarm Valve Assemblies <p>Fixed Fire Fighting Systems. Components of gas extinguishing systems. Requirements and test methods for</p> <ul style="list-style-type: none"> • Pneumatic Alarm Devices • Check Valves • Electrical and Automatic Control & Delay Devices • Connectors • Container Valve Assemblies and their actuators • Manual Triggering and Stop Devices • Non-electrical automatic control and delay devices • Non-electrical disable delay devices • Special Fire Detectors <u>Smoke & Heat Control System :</u> <ul style="list-style-type: none"> • Power Supplies • Natural Smoke and Heat Control System • Powered Smoke and Heat Control Ventilator • Pressure Differential System. Kits • Smoke Duct Sections • Smoke Dampers • Fire Damper 	

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No.	THIRD PARTY	PRODUCTS	
		CERTIFICATION	TESTING
	(continuation...) DEDAL	<u>Passive Fire Protection System :</u> <ul style="list-style-type: none"> • Gypsum products • Curtain Walling • Timber products • Floor coverings • Roof coverings • External and internal walls and ceilings covering products, external wall covering kits • Thermal Insulation • Door, Windows and Shutters • Autoclave Aerated Concrete • Glass 	

Notes:	1. International Certification Bodies and Testing Laboratories concerned with product evaluation are organizations referred to and currently recognized by QCDD with regard to product regulations.
	2. Fire Protection and Life Safety Systems products that are regulated by QCDD are required to be listed, labeled or approved based on international codes, standards and/or local regulations to ensure that equipment/material has met appropriate designated standard or has been tested and found suitable for a specified purpose in addition to maintaining periodic inspection of production and labeling conditions.
	3. Product Certificates issued by QCDD are valid only if products / materials are designed, installed, tested & maintained in accordance with international codes, standards, manufacturer's recommendation and/or local regulations that are acceptable to the Authority Having Jurisdiction (QCDD).
	4. Test Reports acceptance are subject to the technical review of the Safety Systems Division and approval of Head of Division.
	5. Other related Fire Protection and Life Safety Systems products / materials and new innovations not included in this list shall be referred to QCDD Safety Systems Division for review and evaluation.

BY AUTHORITY OF THE DIRECTOR :

Capt. Eng. KHALID SAADON AL-KUWARI
Head of Safety Systems Division
Fire Prevention Department
General Directorate of Civil Defence
Ministry of Interior – State of Qatar

***** Nothing Follows *****