







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

QCD-PRO/PROC REV. 8 (updated as of August 2020)
 MO-03-02012

CURRENTLY RECOGNIZED PRODUCT CERTIFICATION BODIES & TESTING LABORATORIES
 (updated as of August 2020)

No.	THIRD PARTY	PRODUCT SCOPE	
		CERTIFICATION	TESTING
19	<p>LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)</p> <p>country: Spain website: www.appluscorp.com</p> <p>source of accreditation: Certification Body Testing Laboratory</p> <p>write on company logo / product marking:</p>    	<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 optic 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 Ventilation System :</u></p> <ul style="list-style-type: none"> Natural smoke and heat ventilators Powered smoke and heat ventilators Specification for pressure differential. Kits Smoke duct sections Smoke control dampers Power supplies Fire Dampers Pressure differential 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>Passive Fire Protection :</u></p> <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 	<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 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

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	<p>(continuation...)</p> <p>LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)</p>	<ul style="list-style-type: none"> • 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 • Rapid Rise Fire Tests of Protection Materials for Structural Steel • Chimney <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 • Sprinklers • Wet alarm valve assemblies • Dry alarm valve assemblies • Water flow detectors • Pillar fire hydrants <p>Fixed Fighting Systems. Components for gas extinguishing systems:</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 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"> • 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 <p><u>Smoke and Heat Control Ventilation System :</u></p> <ul style="list-style-type: none"> • Smoke extraction ducts • 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

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	(continuation...) LGAI TECHNOLOGICAL CENTER, S.A. (APPLUS)		<ul style="list-style-type: none"> • 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