
 OFFICE LUXEMBOURGEOIS D'ACCREDITATION ET DE SURVEILLANCE	A005 – Accreditation domains covered by OLAS			
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A005

Accreditation domains covered by OLAS

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Introduction

This annex lists all general and technical domains accredited by OLAS for every accreditation program. The accreditation programs covered by OLAS are defined in the quality manual under point 4.6.1.

Testing laboratories (ISO/IEC 17025)

Environment and Agri-food

LAB1	General domain : Food analytical chemistry / biochemistry	
	Technical domains :	
	1.1	Mycotoxins
	1.2	Pesticides
	1.3	Other agricultural and industrial contaminants (colorants, preservatives)
	1.4	Additives
	1.5	Oenology
	1.6	Vitamins
	1.7	Inhibitory substances
	1.8	Macroconstituent
	1.9	Inorganic contaminants characterization
	1.10	Physicochemical characterisation
LAB2	General domain : Water microbiology	
	Technical domains :	
	2.1	Bacteriology
	<i>Categories of matrices:</i>	
		- <i>Fresh waters: waters intended for human consumption, sanitary waters, natural or treated bathing waters, swimming pool waters, surface waters (rivers and lakes), groundwater, thermal waters, bottled or packaged water, dialysis water, osmosis water and care facilities , rainwater</i>
		- <i>Wastewaters: domestic, industrial or artisanal waste water</i>
		- <i>Waters of cooling towers</i>
		- <i>Salt waters</i>
LAB19	General domain : Food microbiology	
	Technical domains :	
	19.1	Bacteriology
	19.2	Yeasts and molds
LAB3	General domain : Food biology	
	Technical domains :	
	3.1	Molecular biology
	3.2	Cellular enumeration
LAB5	General domain : Water chemistry	
	Technical domains :	
	5.1	Physical-chemical characterization
	5.2	Inorganic contaminants characterization
	5.3	Organic contaminants characterization
	5.4	Radio-toxicology

	<i>Categories of matrices:</i>
	- <i>Fresh waters: waters intended for human consumption, sanitary waters, natural or treated bathing waters, swimming pool waters, surface waters (rivers and lakes), groundwater, thermal waters, bottled or packaged water, dialysis water, osmosis water and care facilities, rainwater</i>
	- <i>Wastewaters: domestic, industrial or artisanal waste water</i>
	- <i>Waters of cooling towers</i>
	- <i>Salt waters</i>
	- <i>Process water (eluate, leachate, sparging solution, ...)</i>
LAB6	General domain : Soil chemistry
	Technical domains :
	6.1 Physical-chemical characterization
	6.2 Inorganic contaminants characterization
	6.3 Organic contaminants characterization
	<i>Categories of matrices:</i>
	- <i>Land</i>
	- <i>Sludge</i>
	- <i>Biosolides</i>
	- <i>Waste</i>
	- <i>Solid filters</i>
	- <i>Organic products</i>
	- <i>Sediments</i>
	- <i>Soil</i>
LAB7	General domain : Air quality
	Technical domains :
	7.1 Organic contaminants characterization
	7.2 Mineral and metal contaminants characterization
LAB8	General domain : Solid chemistry
	Technical domains :
	8.1 Physical-chemical characterization
	8.2 Organic contaminants characterization
	8.4 Inorganic contaminants characterization
	<i>Categories of matrices:</i>
	- <i>Wood</i>
	- <i>Fuel</i>
LAB9	General domain : Liquid chemistry
	Technical domains :
	9.2 Mineral contaminants characterization
LAB12	General domain : Radiation protection
	Technical domains :
	12.1 Radiation physics / Radiation chemistry

Industrial products / Materials

LAB8	General domain : Solid chemistry		
	Technical domains :		
	8.1	Physical-chemistry	
	8.3	Characterization of raw materials and industrial products	
LAB9	General domain : Liquid chemistry		
	Technical domains :		
	9.1	Physical-chemistry	
LAB10	General domain : Gas chemistry		
	Technical domains :		
	10.1	Physical-chemistry	
LAB13	General domain : Properties of materials		
	Technical domains :		
	13.1	Mechanical testing	
	13.2	Chemical testing	
	13.3	Environmental testing	
	13.4	Non-destructive testing	
	13.5	Surface condition testing	
	13.6	Thermal tests	
		13.6.1	Heating
		13.6.2	Resistance to heat and fire
	13.7	Dimension, durability, noise, resistance, grip of tires	
	13.8	Physical testing	
	13.9	Air permeability	
	13.10	Waterproofing	
	13.11	Wind pressure	
LAB14	General domain : Characterisation of materials		
	Technical domains :		
	14.1	Asbestos	
LAB15	General domain : Climatic and thermostatic chambers		
	Technical domains :		
	15.1	Characterisation and verification of climatic and thermostatic chambers	

Product safety

LAB13	General domain : Properties of materials		
	Technical domains :		
	13.1	Mechanical testing	
	13.6	Thermal tests	
		13.6.1	Heating
		13.6.2	Resistance to heat and fire
	13.8	Physical testing	
LAB17	General domain : Electrical safety		
	Technical domains :		
	17.1	Electrical testing	
	17.2	Testing of electromagnetic compatibility - emission	

17.3	Testing of electromagnetic compatibility - immunity
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Biology / Health / Forensic

LAB20	General domain : Veterinary microbiology	
	Technical domains :	
	20.1	Bacteriology
	20.2	Mycology
	20.3	Parasitology
	20.4	Virology
	20.5	Non-conventional transmissible agents
	20.6	Infectious molecular biology
LAB21	General domain : Veterinary biochemistry	
	Technical domains :	
	21.1	General and specialized biochemistry
LAB22	General domain : Veterinary hematology	
	Technical domains :	
	22.1	Hemocytology
	22.2	Coagulation
	22.3	Immunohematology
LAB4	General domain : Veterinary serology	
	Technical domains :	
	4.1	Infectious serology
LAB12	General domain : Radioprotection	
	Technical domains :	
	12.2	Radiotoxicology
	12.3	Personal dosimeters
LAB16	General domain : Forensic biology	
	Technical domains :	
	16.1	Molecular genetics
	16.2	Biology - Biochemistry
LAB18	General domain : Biologic analyses	
	Technical domains :	
	18.1	Molecular biology
	18.2	Cellular enumeration
	18.3	Immunoenzymatic assays
LAB24	General domain : Forensic chemistry	
	Technical domains :	
	24.1	Analysis of drugs and controlled substances

Mechanical / Automotive / Boats

LAB23	General domain : Homologation of vehicles	
	Technical domains :	
	23.1	Engine/toxic emission

Calibration laboratories (ISO/IEC 17025)

Metrology

CAL1	General domain : Electricity	
	Technical domains :	
1.1	Voltage (V)	
	1.1.1	Voltage measurers – Direct current (DCV)
	1.1.2	Voltage measurers – Alternative current (ACV)
	1.1.3	Single phase alternative current energy counters
	1.1.4	Three-phase alternative current energy counters
	1.1.5	Voltage generators – Direct current (DCV)
	1.1.6	Voltage generators – Alternative current (ACV)
	1.1.7	Voltage measuring transformers
1.2	Amperage (A)	
	1.2.1	Current measurers – Direct current (DCI)
	1.2.2	Current measurers – Alternative current (ACI)
	1.2.3	Current measuring transformers (A)
	1.2.4	Current generators (A) – Direct current (DCI)
	1.2.5	Current generators (A) – Alternative current (ACI)
1.3	Resistance (Ω)	
	1.3.1	Ohmmeters resistance measurers (Ω)
	1.3.2	Resistance generators (Ω)
	1.3.3	Standard resistor (Ω)
1.4	Power (W)	
1.5	Energy (Ws)	
CAL2	General domain : Time / frequency	
	Technical domains :	
2.1	Frequency Counters	
	2.1.1	Frequency meters / counters – square wave
	2.1.2	Frequency meters / counters – sine wave
	2.1.3	Frequency generators – square wave
	2.1.4	Frequency generators – sine wave
	2.1.5	Multimeters / Calibrators – square wave
	2.1.6	Multimeters / Calibrators – sine wave
2.2	Time Interval	
2.3	Time scale difference	
CAL3	General domain: Mass	
	Technical domains :	
3.1	Mass	
3.2	Non-automatic weighing instruments	
CAL4	General domain: Dimensional	
	Technical domains :	
4.1	Dimensional	
CAL5	General domain: Flow rate	
	Technical domains :	
5.1	Volume conversion devices	

	5.2	Gas flow rate
CAL6	General domain: Temperature	
	Technical domains :	
	6.1	Temperature measurement system and other thermometers

Biomedical laboratories (ISO 15189)

Medical Biology

MED1	General domain : Clinical biochemistry	
	Technical domains :	
	1.1	General and specialized biochemistry
	1.2	Pharmacology – Toxicology and radio-toxicology
	1.3	Calculated parameters
MED2	General domain : Haematology	
	Technical domains :	
	2.1	Hemocytology
	2.2	Coagulation
	2.3	Immunohematology
MED3	General domain : Immunology	
	Technical domains :	
	3.1	Allergy
	3.2	Autoimmune diagnostics
	3.3	Specialized cellular immunology and histocompatibility
MED4	General domain : Medical microbiology	
	Technical domains :	
	4.1	Non-conventional transmissible agents
	4.2	Medical bacteriology
	4.3	Medical parasitology
	4.4	Medical mycology
	4.5	Medical virology
	4.6	Infectious molecular biology
	4.7	Calculated parameters
MED5	General domain : Serology	
	Technical domains :	
	5.1	Infectious serology
MED6	General domain : Genetics	
	Technical domains :	
	6.1	Molecular genetics
	6.2	Cytogenetics
MED7	General domain : Reproductive biology	
	Technical domains :	
	7.1	Spermiology
	7.2	Medically assisted procreation
MED8	General domain : Anatomy-pathology	
	Technical domains :	

	8.1	Cytopathology
MED9	General domain : Collection of biological samples	
	Technical domains :	
	9.1	Collection of biological samples, carried out by the laboratory or under its responsibility

Inspection bodies (ISO/IEC 17020)

Building / construction

INS1	General domain : Asbestos	
	Technical domains :	
	1.1	Control of the concentration of asbestos fibres
	1.2	Control of asbestos removal
INS 2	General domain : Building safety	
	Technical domains :	
	2.1	Building safety
	2.1.1	Evacuation routes
	2.1.2	Safety signs
	2.1.3	Various issues related to security
	2.1.4	Ventilation and air conditioning systems
	2.1.5	Heating systems
	2.1.6	Gas facilities
	2.2	Fire safety
	2.2.1	Fire barriers
	2.2.2	Fire detection and fire alarm
	2.2.3	Fire sprinkler system
	2.2.4	Gas Fire extinguishing system
	2.2.5	Manual fire fighting systems
	2.2.6	Smoke extraction system
	2.3	Facilities for personal safety
	2.3.1	CO detection and parking ventilation
	2.4	Lighting control on workplaces
	2.4.1	Security lighting
	2.4.2	Lighting on workplaces
INS 3	General domain : Atmosphere of workplaces	
	Technical domains :	
	3.1	Control of sanitations
	3.2	Control of the air quality on workplaces
	3.3	Control and analysis of noise and vibration intensities on workplaces
	3.4	Control of radiations
	3.4.1	Non-ionising radiations
INS 4	General domain : Pressure equipment	
	Technical domains :	
	4.1	Control of cold production facilities
	4.2	Control of facilities and pressure equipment
	4.2.1	Control of pressure vessels containing compressed air or liquefied gases, compressed or dissolved

	4.2.2	Control of facilities and steam machines
	4.2.3	Control of mobile pressure vessels intended to store liquefied gases compressed or dissolved
	4.2.4	Control of metal pipes for the transport of fluids within a company
	4.3	Approval of permanent joining personnel
	4.4	Approval of permanent joining procedures
INS 5	General domain : Constructions stability and safety of work sites	
	Technical domains :	
	5.1	Control of constructions stability
	5.2	Control and analysis of safety measures for construction and demolition work sites
	5.3	Control of scaffolding and ladders
INS 6	General domain : Electrical installations	
	Technical domains :	
	6.1	Control of electrical installations
	6.1.1	Transformer medium voltage
	6.1.2	Auxiliary electrical generator
	6.1.3	Low voltage electrical installations
	6.1.4	Lightning protection installations
	6.1.5	Electrical installations in potentially explosive atmospheres
INS 7	General domain : Machines / protective equipment	
	Technical domains :	
	7.1	Control of lifting equipment
	7.1.1	Lifting equipment
	7.1.2	Lifts and elevator
	7.1.3	Escalators
	7.2	Safety control of machines and work equipment
	7.3	Control of protective equipment
INS 8	General domain : Dangerous fluids	
	Technical domains :	
	8.1	Control of dangerous fluids
INS13	General domain: Television inspection of sewers	
	Technical domains :	
	13.1	Television inspection of wastewater mains
INS14	General domain: Energy	
	Technical domains :	
	14.1	Certification of the energy performance of buildings (EPB)
INS15	General domain: Technical control of construction	
	Technical domains :	
	15.1	Geotechnics
	15.1.1	Slopes, sheeting and planking (provisional and definitive)
	15.1.2	Foundations (superficial and deep) and pavements
	15.2	Stability of constructions
	15.2.1	Buildings
	15.2.2	Works of art (bridges, tunnels, covered cuttings, docks,...)
	15.3	Building envelope
	15.3.1	Casings (sealing of buried parts, pools, tanks, swimming pools, etc.)
	15.3.2	Flat roofs and blankets (including waterproofing of works of art)

	15.3.3	Exterior facades (brick facade, prefabricated concrete facade, attached stone facade, coated facades, glued thin coating)
	15.3.4	Glazed facades (exterior cabinets, curtain walls, VEC, VEA, etc.), canopies and cladding
15.4	Completion	
	15.4.1	Floors (layer, coverings, waterproofing)
	15.4.2	Elevations (walls, plastering, interior carpentry, including coatings, sealing, wall coverings, railings, etc.)
	15.4.3	Raised floors and suspended ceilings
15.5	Technical equipment	
	15.5.1	HVAC: Ventilation — Heating — Air Conditioning
	15.5.2	Sanitary (EP, EU, EF, EC)
	15.5.3	Electricity
	15.5.4	Lifts

Metrology

INS 9	General domain : Legal metrology	
	Technical domains :	
	9.1	Non-automatic weighing instruments
	9.2	Road measuring systems

Biology / Health / Forensic

INS 11	General domain: Veterinary	
	Technical domains :	
	11.1	Animal health control
	11.2	Control of food of animal origin
	11.3	Control of imports of animals and food of animal origin

Mechanical / Automotive / Boats

INS 10	General domain: Transports – transportation means	
	Technical domains :	
	10.1	Road vehicles control
INS12	General domain : Homologation of vehicles	
	Technical domains :	
	12.1	Engine/toxic emission
	12.1.1	Determination of engine power
	12.2	Sound emission
	12.2.1	Audible warning devices
	12.3	Braking- and steering system
	12.3.1	Testing of steering systems
	12.3.2	Testing of braking systems
	12.4	Wheels/Tyres
	12.4.1	Wheel cover
	12.5	Lighting devices
	12.6	Strength testing/Coupling devices

	12.7	Electric/electronic systems
	12.7.1	Electromagnetic compatibility
	12.8	Sight
	12.8.1	Indirect field of view
	12.9	Passive safety
	12.9.1	Interior fittings, identification of controls, tell-tales and indicators
	12.10	Exterior safety
	12.10.1	External projections
	12.11	Measuring and control devices
	12.11.1	Speedometer

Certification bodies for products, processes and services (ISO/IEC 17065)

Mechanical / Automotive / Boats

PRO1	General domain : Industrial products certification		
	Technical domains :		
	1.2	Homologation of vehicles	
	1.8	Recreational craft	
	1.8.1	Recreational craft / Personal watercraft	
	1.8.2	Propulsion engines / Exhaust emissions	
	1.8.3	Propulsion engines / Noise emissions	
	1.8.4	Components	
	1.9	Noise emission in the environment by equipment for use outdoors	
	1.10	Pyrotechnic articles	
	1.10.1	Airbags	
	1.10.2	Seat belt pretensioners	

Industrial products / Materials

PRO1	General domain : Industrial products certification		
	Technical domains :		
	1.3	Construction products	
	1.3.1	Aggregates	
	1.3.2	Bituminous mixtures	
	1.3.3	Superficial coatings	
	1.3.4	Bituminous binders	
	1.3.5	Cold cast hydrocarbon asphalt	

Building / construction

PRO1	General domain : Industrial products certification		
	Technical domains :		
	1.1	Lifts	
	1.4	Pressure equipment	
	1.4.1	Pressure equipment	
	1.4.2	Simple pressure vessels	

Product safety

PRO1	General domain : Industrial products certification		
	Technical domains :		
	1.5	Individual protective equipment (IPE)	
	1.5.1	IPE dedicated to protect against mechanical shocks	
	1.5.2	IPE dedicated to protect against compression (static) to a part of the body	
	1.5.3	IPE dedicated to protect against physical injury (abrasion, punctures, cuts, bites)	
	1.5.4	IPE dedicated to protect against heat and/or fire	
	1.7	Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX)	

Management system certification bodies (ISO/IEC 17021-1)

QMS/EMS/OH&SMS Management systems

SMQ1	General domain : Management system certification according to ISO 9001		
	Cluster	Technical domains :	Critical code(s)
	1.1	Food	
		1 Agriculture, fishing	3
		3 Food products, beverages and tobacco	
		30 Hotels and restaurants	
	1.2	Mechanical	
		17 Basic metals and fabricated metal products	22 or 20
		18 Machinery and equipment	
		19 Electrical and optical equipment	
		20 Shipbuilding	
		22 Other transport equipment	
	1.3	Paper	
		7 Pulp, Paper and paper products	9
		8 Publishing companies	
		9 Printing companies	
	1.4	Minerals	
		2 Mining and Quarrying	2 or 15
		15 Non-metallic mineral products	
		16 Concrete, cement, lime, plaster, etc.	
	1.5	Construction	
		28 Construction	28
		34 Engineering services	
	1.6	Goods production	
		4 Textiles and textile products	5 or 14
		5 Leather and Leather products	
		6 Wood and wood products	
		14 Rubber and plastic products	
		23 Manufacturing not elsewhere classified	
	1.7	Chemicals	
		7 Pulp, Paper and paper products	12
		10 Manuf. of coke and refined petroleum products	
		12 Chemicals, chemical products and fibbers	
	1.8	Supply	
		25 Electricity Supply	26
		26 Gas Supply	
		27 Water Supply	
	1.9	Transport & Waste management	
		24 Recycling	24
		31 Transport, storage and communication	
		39 Other social services	
	1.10	Services	
		29 Wholesale and retail trade: Repair of motor vehicles, motorcycles and personal and household goods	37 or 33

		32	Financial intermediation; real estate; renting	
		33	Information Technology	
		35	Other Services	
		36	Public administration	
		37	Education	
	1.11	Nuclear		
		11	Nuclear fuel	11
	1.12	Pharmaceutical		
		13	Pharmaceuticals	13
	1.13	Aerospace		
		21	Aerospace	21
	1.14	Health		
		38	Health and social work	38

SMQ4	General domain : Certification of environmental management system according to the standard ISO 14001			
	Cluster :	Technical domains :		Critical code(s)
	4.1	Agriculture, forestry and fishing		
		1	Agriculture, fishing	1
	4.2	Food		
		3	Food products, beverages and tobacco	3
		30	Hotels and restaurants	
	4.3	Mechanical		
		17	Basic metals and fabricated metal products	20 or 21
		18	Machinery and equipment	
		19	Electrical and optical equipment	
		20	Shipbuilding	
		21	Aerospace	
		22	Other transport equipment	
	4.4	Paper		
		7	Pulp, Paper and paper products	9
		8	Publishing companies	
		9	Printing companies	
	4.5	Construction		
		28	Construction	28
		34	Engineering services	
	4.6	Goods production		
		4	Textiles and textile products	4 and 5
		5	Leather and Leather products	
		6	Wood and wood products	
		23	Manufacturing not elsewhere classified	
	4.7	Chemicals		
		7	Pulp, Paper and paper products	7 and 10 and 12 and 13
		10	Manuf. of coke and refined petroleum products	
		12	Chemicals, chemical products and fibbers	
		13	Pharmaceuticals	
		14	Rubber and plastic products	

		15	Non-metallic mineral products	
		16	Concrete, cement, lime, plaster, etc.	
		17	Basic metals and fabricated metal products	
	4.8	Mining and quarrying		
		2	Mining and Quarrying	2
	4.9	Supply		
		25	Electricity Supply	25 or 26
		26	Gas Supply	
		27	Water Supply	
	4.10	Transport & Waste management		
		24	Recycling	24 and 39 (limited to NACE 37, 38.1, 38.2, 39)
		31	Transport, storage and communication	
		39	Other social services	
	4.11	Services		
		29	Wholesale and retail trade: Repair of motor vehicles, motorcycles and personal and household goods	29 or 35 or 36
		32	Financial intermediation; real estate; renting	
		33	Information Technology	
		35	Other Services	
		36	Public administration	
		37	Education	
	4.12	Nuclear		
		11	Nuclear fuel	11
	4.13	Health		
		38	Health and social work	38

SMQ5	General domain : Certification of occupational health and safety management system according to the standard ISO 45001			
	Cluster	Technical domains :		Critical code(s)
	5.1	Agriculture, forestry and fishing		
		1	Agriculture, fishing	1
	5.2	Mechanical		
		17	Basic metals and fabricated metal products	20 and 21
		18	Machinery and equipment	
		19	Electrical and optical equipment	
		20	Shipbuilding	
		21	Aerospace	
		22	Other transport equipment	
	5.3	Paper		
		7	Pulp, Paper and paper products	9
		8	Publishing companies	
		9	Printing companies	
	5.4	Construction		
		28	Construction	28
		34	Engineering services	
	5.5	Goods production		
		4	Textiles and textile products	

	5	Leather and Leather products	4 (with tannage) and 5 or 6
	6	Wood and wood products	
	23	Manufacturing not elsewhere classified	
5.6	Chemicals		7 and 10 and 12 and 13 and 16 or 17
	7	Pulp, Paper and paper products	
	10	Manuf. of coke and refined petroleum products	
	12	Chemicals, chemical products and fibbers	
	13	Pharmaceuticals	
	14	Rubber and plastic products	
	15	Non-metallic mineral products	
	16	Concrete, cement, lime, plaster, etc. Concrete, cement, lime, plaster, etc. Concrete, cement, lime, plaster, etc.	
	17	Basic metals and fabricated metal products	
5.7	Mining and quarrying		
	2	Mining and Quarrying	2
5.8	Supply		
	25	Electricity Supply	25 or 26
	26	Gas Supply	
	27	Water Supply	
5.9	Transport & Waste management		
	24	Recycling	31 (limited to dangerous goods) and 24 or 39 (limited to NACE 37, 38.1, 38.2, 39)
	31	Transport, storage and communication	
	39	Other social services	
5.10	Services		
	29	Wholesale and retail trade: Repair of motor vehicles, motorcycles and personal and household goods	29 or 35 or 36
	32	Financial intermediation; real estate; renting	
	33	Information Technology	
	35	Other Services	
	36	Public administration	
	37	Education	
5.11	Nuclear		
	11	Nuclear fuel	11
5.12	Health		
	38	Health and social work	38
5.13	Food		
	3	Food products, beverages and tobacco	3
	30	Hotels and restaurants	

SMQ7	General domain : Evaluation of quality management systems within the regulatory framework for CE marking		
	Technical domains :		
	7.1	Noise emission in the environment by equipment for use outdoors	
	7.2	Recreational craft	
	7.3	Pyrotechnic articles	

ISMS/PSDC Management systems

SMQ3	General domain : Certification of information security management systems according to the standard ISO 27001		
	Technical domains :		
	3.1	Certification of information security management systems	
SMQ6	General domain: Certification of service providers for digitization and electronic archiving according to standards ISO 27001, ISO 27002 and technical rule		
	Technical domain:		
	6.1	Digitization or e-archiving services	
	6.1.1	Digitisation	
	6.1.2	e-archiving	