



MAURITAS A25

Generic Competence of MAURITAS
Certification Body Assessors and
Technical Experts for witnessing of QMS
audits

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Foreword

The MAURITIUS ACCREDITATION SERVICE (MAURITAS) is a governmental body established in 1998 to provide a national, unified service for the accreditation of Conformity Assessment Bodies (CABs) such as calibration/testing laboratories, certification bodies and inspection bodies. Organizations that comply with the MAURITAS requirements are granted accreditation by MAURITAS.

About MAURITAS publications

MAURITAS publications are categorized as follows:

- R series Publications containing general policy and requirements related to MAURITAS accreditation.
- G series Publications providing guidance on MAURITAS requirements.
- A series Publications related to assessment procedures.
- P series MAURITAS quality system procedures
- F series MAURITAS Forms
- Directories Classified listing of accredited organizations.

Mauritius Accreditation Service (MAURITAS)
4th Floor, Crescent House
Corner Deschartes and Foucault Streets
Port Louis
Mauritius
Tel : +230 208 1690
Fax : +230 210 6101
Email : mauritas@govmu.org
Website : www.mauritas.org

Generic Competence of MAURITAS Certification Body Assessors and Technical Experts for witnessing of QMS audits

1. Purpose

1.1 This document ensures the consistent and harmonized application of ISO/IEC 17011 for defining the generic competence of MAURITAS Assessors and Technical Experts involved in the accreditation of Certification Bodies for witnessing of QMS audits. This document is to be used together with MAURITAS A2 and A3 procedure.

2 Scope and Responsibilities

2.1 It is the responsibility of MAURITAS to make use of this document when demonstrating the competence of MAURITAS Certification Body Assessors and Technical Experts through interviews, personal interaction and/or during on site evaluations.

3. References

The following documents contain provisions which, through reference in this text, constitute provisions of the MAURITAS accreditation system. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated MAURITAS references, the latest edition of the document referred to applies. MAURITAS maintains a register, of the current valid MAURITAS accreditation documents.

3.1 MAURITAS A series documents

3.2 MAURITAS G series documents

3.3 ISO/IEC 17011 : Conformity assessment – General requirements for accreditation bodies accrediting conformity assessment bodies

3.4 IAF MD 20 : Generic Competence for AB Assessors: Application to ISO/IEC 17011

4 Definitions

4.1 Assessor

An assessor is a person assigned by MAURITAS to perform, alone or as part of an assessment team, an assessment of a CAB. He/she may perform individual assessments of limited and technical scope based on acceptance from the Director.

4.2 Technical expert (TE)

A technical expert is a person assigned by MAURITAS, working under the responsibility of an assessor, who provides specific knowledge or expertise with respect to the scope of accreditation to be assessed and does not assess independently.

5 Process for determining the competence of Certification Body Assessors and Technical Experts

5.1 MAURITAS shall have Certification Body Assessors or other personnel (e.g. Technical Experts and MAURITAS Staff) with competence to perform the witnessing of QMS audits to demonstrate compliance with IAF MD 20 in accordance with the Generic Assessment Competencies related to:

- Accreditation
- Planning and Scheduling
- Document Review
- On-Site Assessment
- Reporting Activities

5.2 MAURITAS shall qualify Technical Experts based on qualifications, work experience and demonstrated competence in the relevant Technical Areas through interviews or by any appropriate means in order to carry out witnessing of QMS audits in the IAF scopes which correspond to “critical code” areas. However, in scarcity areas, MAURITAS may qualify Technical Expert(s) from academic institutions, based on their knowledge in the relevant Technical Area. MAURITAS will consider these areas and agree on the witnessing team competence with the approval of the Director.

The minimum qualification shall be a Degree in the relevant Technical Area and the work experience shall be a minimum of 5 years in one or more activities as described in the table below. In the context of the IAF scopes which correspond to areas that are termed as “non-critical code”, MAURITAS will consider these areas and agree on the witnessing team competence on a case to case basis with the approval of the Director. Records will be kept in the resource review form. Competent Technical Expert shall be qualified as Technical Assessors by MAURITAS on the basis of demonstrated knowledge of:

- Auditing principles, practices and techniques
- Business management practices
- Specific management system standards/normative documents

5.3 Where any assessment is carried out by a team, the level of competence required should be held within the team as a whole and not by each individual member of the team. MAURITAS shall maintain records for selecting, training and monitoring of Assessors and Technical Experts competencies in the individual Assessor/Technical Expert file.

6 Competence Criteria for Technical Experts for witnessing of QMS audits

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
1	1	Agriculture	Growing of crops, market gardening, horticulture Growing of cereals & other crops n.e.c; Growing of vegetables, horticultural specialities & nursery products Growing of fruit, nuts, beverage & spice crops Landscape gardening Agricultural service activities; landscape gardening Farming of animals	Qualifications: Degree related to Agricultural Sciences or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Farming of cattle, dairy farming Farming of sheep, goats, horses, asses, mules & hinnies Farming of swine Farming of poultry Other farming of animals Agricultural & animal husbandry service activities, except veterinary activities Animal husbandry service activities, except veterinary activities	Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Forestry	Forestry & logging Forestry & logging related service activities Support services to forestry	Qualifications: Degree related to Forestry or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Fishing	Fishing Fish farming Operation of fish hatcheries and fish farms & related service activities Fishing and aquaculture Marine aquaculture Freshwater culture	Qualifications: Degree related to Biological Sciences, Marine Sciences Aquaculture or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
2	3	Food products	Production, processing & preserving of meat & meat products Production & preserving of meat Production & preserving of poultry meat Production of meat & poultry meat products Processing & preserving of fish & fish products Processing & preserving of fruit &	Qualifications: Degree related to Food Sciences, Process Engineering or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			vegetables Processing & preserving of potatoes; Manufacture of fruit & vegetable juice Processing & preserving of fruit & vegetables n.e.c Manufacture of vegetable & animal oils & fats Manufacture of crude oils & fats Manufacture of refined oils & fats Manufacture of margarine & similar edible fats Manufacture of dairy products Operation of dairies & cheese making Manufacture of ice cream Manufacture of grain mill products, starches & starch products Manufacture of grain mill products Manufacture of starches & starch products Manufacture of prepared animal feeds; Manufacture of prepared feeds for farm animals; Manufacture of prepared pet foods Manufacture of other food products Manufacture of bread; manufacture of fresh pastry goods & cakes Manufacture of rusks & biscuits Manufacture of preserved pastry goods & cakes; Manufacture of sugar Manufacture of cocoa; chocolate & sugar confectionery Manufacture of macaroni, noodles, couscous & similar farinaceous products Processing of tea & coffee Manufacture of condiments & seasonings Manufacture of homogenized food preparations & dietetic food Manufacture of other food products n.e.c	Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Beverages	Manufacture of beverages Manufacture of distilled potable alcoholic beverages Production of ethyl alcohol from fermented materials Manufacture of wines Manufacture of cider & other fruit wines Manufacture of other non-distilled fermented beverages Manufacture of beer Manufacture of malt Production of mineral waters & soft drinks	Qualifications: Degree related to Food Sciences, Process Engineering or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
		Tobacco	Manufacture of tobacco products	<p>monitoring or equivalent</p> <p>Qualifications: Degree related to Food Sciences, Process Engineering or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
3	4	Textiles and textile products	<p>Manufacture of textiles</p> <p>Preparation & spinning of textile fibres</p> <p>Preparation & spinning of cotton-type fibres</p> <p>Preparation & spinning of woolen-type fibres</p> <p>Preparation & spinning of worsted-type fibres</p> <p>Preparation & spinning of flax-type fibres</p> <p>Throwing & preparation of silk including from noils, & throwing & texturing of synthetic or artificial filament yarns</p> <p>Manufacture of sewing threads</p> <p>Preparation & spinning of other textile fibres</p> <p>Textile weaving</p> <p>Cotton-type weaving</p> <p>Woolen-type weaving</p> <p>Worsted-type weaving</p> <p>Silk-type weaving</p> <p>Other textile weaving</p> <p>Finishing of textiles</p> <p>Manufacture of made-up textile articles, except apparel</p> <p>Manufacture of other textiles</p> <p>Manufacture of carpets & rugs</p> <p>Manufacture of cordage, rope, twine & netting</p> <p>Manufacture of non-wovens & articles made from non-wovens, except apparel</p> <p>Manufacture of wearing apparel</p> <p>Dressing & dyeing of fur</p> <p>Manufacture of leather clothes</p> <p>Manufacture of other wearing apparel & accessories</p>	<p>Qualifications: Degree related to Textile Technology, Textile Engineering, Manufacturing Engineering, Fashion Design or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Manufacture of work wear Manufacture of other outerwear Manufacture of underwear Manufacture of other wearing apparel & accessories n.e.c. Manufacture of knitted & crocheted articles Manufacture of knitted & crocheted hosiery Manufacture of knitted & crocheted pullovers, cardigans & similar articles Dressing & dyeing of fur; manufacture of articles of fur Manufacture of other textiles n.e.c Manufacture of knitted & crocheted fabrics	
4	9	Printing companies	Printing & service activities related to printing Printing of newspapers Printing n.e.c Bookbinding and finishing; Pre-press activities Reproduction of recorded media Composition and plate making and other activities related to printing Ancillary activities related to printing	<p>Qualifications: Degree related to Printing Technology or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
5	12	Chemicals, chemical products	Manufacture of chemicals & chemical products Manufacture of basic chemicals Manufacture of industrial gases Manufacture of dyes & pigments Manufacture of other inorganic basic chemicals Manufacture of other organic basic chemicals Manufacture of fertilizers & nitrogen compounds Manufacture of plastics in primary forms Manufacture of synthetic rubber in primary forms Manufacture of pesticides & other agro-chemical products Manufacture of paints, varnishes & similar coatings, printing ink & mastics Manufacture of soap & detergents, cleaning & polishing preparations,	<p>Qualifications: Degree related to Chemistry / Applied Chemistry, Chemical Engineering or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			perfumes & toilet preparations Manufacture of soap & detergents, cleaning & polishing preparations Manufacture of perfumes & toilet preparations Manufacture of other chemical products Manufacture of explosives Manufacture of glues & gelatines Manufacture of essential oils Manufacture of photographic chemical material Manufacture of prepared unrecorded media Manufacture of other chemical products n.e.c.	
		Fibres	Manufacture of man-made fibres	Qualifications: Degree related to Material Science or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
6	13	Pharmaceuticals	Manufacture of pharmaceuticals, medicinal chemicals & botanical products Manufacture of basic pharmaceutical products Manufacture of pharmaceutical preparations.	Qualifications: Degree related to Pharmaceutical Sciences, Pharmaceutical Chemistry or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
7	14	Rubber	Manufacture of rubber products Manufacture of rubber tyres & tubes	Qualifications: Degree related to Chemistry /

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Retreading & rebuilding of rubber tyres Manufacture of other rubber products	Applied Chemistry or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Plastic products	Manufacture of plastic products; Manufacture of plastic plates, sheets, tubes & profiles; Manufacture of plastic packing goods; Manufacture of builders' ware of plastic; Manufacture of other plastic products.	Qualifications: Degree related to Chemistry / Applied Chemistry or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
8	16	Concrete, cement, lime, plaster etc.	Manufacture of cement Manufacture of lime and plaster Manufacture of articles of concrete, cement and plaster Manufacture of concrete products for construction purposes Manufacture of plaster products for construction purposes Manufacture of ready-mixed concrete Manufacture of mortars	Qualifications: Degree related to Chemistry / Applied Chemistry, Material Science, Civil Engineering or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
9	17	Basic metals	<p>Manufacture of basic metals</p> <p>Manufacture of basic iron & steel & of ferro-alloys</p> <p>Manufacture of tubes</p> <p>Manufacture of cast iron tubes</p> <p>Manufacture of steel tubes</p> <p>Other first processing of iron & steel</p> <p>Cold drawing</p> <p>Cold rolling of narrow strip</p> <p>Cold forming or folding</p> <p>Wire drawing</p> <p>Manufacture of basic precious & non-ferrous metals</p> <p>Precious metals production</p> <p>Aluminium production</p> <p>Lead, zinc & tin production</p> <p>Copper production</p> <p>Other non-ferrous metal production</p> <p>Casting of metals</p> <p>Casting of iron</p> <p>Casting of steel</p> <p>Casting of light metals</p> <p>Casting of other non-ferrous metals</p>	<p>Qualifications:</p> <p>Degree related to Chemistry/ Applied Chemistry, Material Science, Mechanical Engineering or equivalent</p> <p>Work experience:</p> <p>Technical experience in one or more of the NACE Industry Classification Activities</p> <p>Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence:</p> <p>In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
		Fabricated metal products	<p>Manufacture of fabricated metal products, except machinery & equipment</p> <p>Manufacture of structural metal products</p> <p>Manufacture of metal structures & parts of structures</p> <p>Manufacture of builders' carpentry & joinery of metal</p> <p>Manufacture of tanks, reservoirs & containers of metal; manufacture of central heating radiators & boilers</p> <p>Manufacture of tanks, reservoirs & containers of metal</p> <p>Manufacture of central heating radiators & boilers</p> <p>Manufacture of steam generators, except central heating hot water boilers</p> <p>Forging, pressing, stamping & roll forming of metal; powder metallurgy</p> <p>Treatment & coating of metals; general mechanical engineering</p> <p>Treatment & coating of metals</p> <p>General mechanical engineering</p>	<p>Qualifications:</p> <p>Degree related to Material Science, Mechanical Engineering or equivalent</p> <p>Work experience:</p> <p>Technical experience in one or more of the NACE Industry Classification Activities</p> <p>Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence:</p> <p>In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Manufacture of cutlery, tools & general hardware Manufacture of cutlery Manufacture of tools Manufacture of locks & hinges Manufacture of other fabricated metal products Manufacture of steel drums & similar containers Manufacture of light metal packaging Manufacture of wire products Manufacture of fasteners, screw machine products, chain & springs Manufacture of other fabricated metal products n.e.c.	
10	18	Machinery and equipment	Manufacture of machinery & equipment n.e.c. Manufacture of machinery for the production & use of mechanical power, except aircraft, vehicle & cycle engines Manufacture of engines & turbines, except aircraft, vehicle & cycle engines Manufacture of pumps & compressors Manufacture of taps & valves Manufacture of bearings, gears, gearing & driving elements Manufacture of other general purpose machinery Manufacture of furnaces & furnace burners Manufacture of lifting & handling equipment Manufacture of non-domestic cooling & ventilation equipment Manufacture of other general purpose machinery n.e.c. Manufacture of agricultural & forestry machinery Manufacture of agricultural tractors Manufacture of other agricultural & forestry machinery Manufacture of machine tools Manufacture of portable hand held power tools Manufacture of other metalworking machine tools Manufacture of other machine tools n.e.c. Manufacture of other special purpose machinery Manufacture of machinery for metallurgy Manufacture of machinery for mining, quarrying & construction Manufacture of machinery for food, beverage & tobacco processing	<p>Qualifications: Degree related to Mechanical Engineering or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Manufacture of machinery for textile, apparel & leather production Manufacture of machinery for paper & paperboard production Manufacture of other special purpose machinery n.e.c. Manufacture of weapons & ammunition Manufacture of domestic appliances n.e.c. Manufacture of electric domestic appliances Manufacture of non-electric domestic appliances	
11	28	Construction	Construction Site preparation Demolition & wrecking of buildings; earth moving Test drilling & boring Building of complete constructions or parts thereof; civil engineering General construction of buildings & civil engineering works Erection of roof covering & frames Construction of motorways, roads, airfields & sport facilities Construction of water projects Other construction work involving special trades Building installation Installation of electrical wiring & fittings Insulation work activities Plumbing Other building installation Building completion Plastering Joinery installation Floor & wall covering Painting & glazing Other building completion Renting of construction or demolition equipment with operator	<p>Qualifications: Degree related to Building Services, Civil Engineering or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
12	29	Wholesale and retail trade	Sale, maintenance & repair of motor vehicles & motorcycles; retail sale of automotive fuel Sale of motor vehicles Maintenance & repair of motor vehicles Sale of motor vehicle parts & accessories Sale, maintenance & repair of motorcycles & related parts & accessories Retail sale of automotive fuel Wholesale trade & commission trade, except of motor vehicles & motorcycles Wholesale on a fee or contract basis	<p>Qualifications: Degree related to Business Management, Mechanical Engineering, or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			<p>Agents involved in the sale of agricultural raw materials, live animals, textile raw materials & semi-finished goods</p> <p>Agents involved in the sale of fuels, ores, metals & industrial chemicals</p> <p>Agents involved in the sale of timber & building materials</p> <p>Agents involved in the sale of machinery, industrial equipment, ships & aircraft</p> <p>Agents involved in the sale of furniture, household goods, hardware & ironmongery</p> <p>Agents involved in the sale of textiles, clothing, footwear & leather goods</p> <p>Agents involved in the sale of food, beverages & tobacco</p> <p>Agents specializing in the sale of particular products or ranges of products n.e.c.</p> <p>Agents involved in the sale of a variety of goods</p> <p>Wholesale of agricultural raw materials & live animals</p> <p>Wholesale of grain, seeds & animal feeds</p> <p>Wholesale of flowers & plants</p> <p>Wholesale of live animals</p> <p>Wholesale of hides, skins & leather</p> <p>Wholesale of unmanufactured tobacco</p> <p>Wholesale of food, beverages & tobacco</p> <p>Wholesale of fruit & vegetables</p> <p>Wholesale of meat & meat products</p> <p>Wholesale of dairy produce, eggs & edible oils & fats</p> <p>Wholesale of alcoholic & other beverages</p> <p>Wholesale of tobacco products</p> <p>Wholesale of sugar & chocolate & sugar confectionery</p> <p>Wholesale of coffee, tea, cocoa & spices</p> <p>Wholesale of other food, including fish, crustaceans & molluscs</p> <p>Non-specialized wholesale of food, beverages & tobacco</p> <p>Wholesale of household goods</p> <p>Wholesale of textiles</p> <p>Wholesale of clothing & footwear</p> <p>Wholesale of electrical household appliances & radio & television goods</p> <p>Wholesale of china & glassware, wallpaper & cleaning materials</p> <p>Wholesale of perfume & cosmetics</p> <p>Wholesale of pharmaceutical goods</p> <p>Wholesale of other household goods</p> <p>Wholesale of non-agricultural intermediate products, waste & scrap</p>	<p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Wholesale of solid, liquid & gaseous fuels & related products Wholesale of metals & metal ores Wholesale of wood, construction materials & sanitary equipment Wholesale of hardware, plumbing & heating equipment & supplies Wholesale of chemical products Wholesale of other intermediate products Wholesale of waste & scrap Wholesale of machinery, equipment & supplies Wholesale of machine tools Wholesale of mining, construction & civil engineering machinery Wholesale of machinery for the textile industry & of sewing & knitting machines Wholesale of computers, computer peripheral equipment & software Wholesale of other office machinery & equipment Wholesale of other electronic parts & equipment Wholesale of other machinery for use in industry, trade & navigation Wholesale of agricultural machinery & accessories & implements, including tractors Other wholesale	
			Retail trade, except of motor vehicles & motorcycles; repair of personal & household goods Retail sale in non-specialized stores Retail sale in non-specialized stores with food, beverages or tobacco predominating Other retail sale in non-specialized stores Retail sale of food, beverages & tobacco in specialized stores Retail sale of fruit & vegetables Retail sale of meat & meat products Retail sale of fish, crustaceans & molluscs Retail sale of bread, cakes, flour confectionery & sugar confectionery Retail sale of alcoholic & other beverages Retail sale of tobacco products Other retail sale of food, beverages & tobacco in specialized stores Retail sale of pharmaceutical & medical goods, cosmetic & toilet articles Dispensing chemists Retail sale of medical & orthopaedic goods Retail sale of cosmetic & toilet articles	<p>Qualifications: Degree related to Business Management Mechanical, Electrical Engineering, or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			<p>Other retail sale of new goods in specialized stores Retail sale of textiles Retail sale of clothing Retail sale of footwear & leather goods Retail sale of furniture, lighting equipment & household articles n.e.c. Retail sale of electrical household appliances & radio & television goods Retail sale of hardware, paints & glass Retail sale of books, newspapers & stationery Other retail sale in specialized stores Retail sale of second-hand goods in stores Retail sale not in stores Retail sale via mail order houses Retail sale via stalls & markets Other non-store retail sale</p>	
		<p>Repair of motor vehicles, motorcycles and personal and household goods Repair of motor vehicles, motorcycles and personal and household goods</p>	<p>Repair of personal & household goods Repair of boots, shoes & other articles of leather Repair of electrical household goods Repair of watches, clocks & jewellery Repair n.e.c.</p>	<p>Qualifications: Degree related to Mechanical, Electrical Engineering, Mechanic and Repair Technologies or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
13	30	Hotels and restaurants	<p>Hotels & restaurants Hotels Camping sites & other provision of short-stay accommodation Youth hostels & mountain refuges Camping sites, including caravan sites Other provision of lodgings n.e.c. Restaurants Bars Canteens & catering Canteens Catering</p>	<p>Qualifications: Degree related to Travel and Tourism, Hospitality Management, or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
				interaction and/or on-site monitoring or equivalent
14	31	Transport	Land transport; transport via pipelines Transport via railways Other land transport Other scheduled passenger land transport Taxi operation Other land passenger transport Freight transport by road Transport via pipelines Supporting & auxiliary transport activities; activities of travel agencies Other supporting transport activities Other supporting land transport activities Other supporting water transport activities Other supporting air transport activities Activities of travel agencies & tour operators; tourist assistance activities n.e.c. Activities of other transport agencies	Qualifications: Degree related to Transport and Logistics or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
			Air transport Scheduled air transport Non-scheduled air transport Space transport	Qualifications: Degree related to Air Transport and Logistics or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
			Water transport Sea & coastal water transport Inland water transport	Qualifications: Degree related to Water Transport and Logistics or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
				monitoring or equivalent
		Storage	Cargo handling & storage Cargo handling Storage & warehousing	<p>Qualifications: Degree related to Store Management, Supply Chain Management, Procurement or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
		Communication	Post & telecommunications Post & courier activities National post activities Courier activities other than national post activities Telecommunications	<p>Qualifications: Degree related to Electronics Engineering, Telecommunication Engineering, Transport & Logistics activities or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems</p> <p>Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent</p>
15	32	Financial intermediation	Financial intermediation, except insurance & pension funding Monetary intermediation Central banking Other monetary intermediation Other financial intermediation Financial leasing Other credit granting Other financial intermediation n.e.c. Insurance & pension funding, except compulsory social security Life insurance	<p>Qualifications: Degree related to Accounting/Finance, Banking, Actuarial Science or equivalent</p> <p>Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management</p>

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Pension funding Non-life insurance Activities auxiliary to financial intermediation Activities auxiliary to financial intermediation, except insurance & pension funding Administration of financial markets Security broking & fund management Activities auxiliary to financial intermediation n.e.c. Activities auxiliary to insurance & pension funding	systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Real estate and renting	Real estate activities Real estate activities with own property Development & selling of real estate Buying & selling of own real estate Letting of own property Real estate activities on a fee or contract basis Real estate agencies Management of real estate on a fee or contract basis Renting of machinery & equipment without operator & of personal & household goods Renting of automobiles Renting of other transport equipment Renting of other land transport equipment Renting of water transport equipment Renting of air transport equipment Renting of other machinery & equipment Renting of agricultural machinery & equipment Renting of construction & civil engineering machinery & equipment Renting of office machinery & equipment, including computers Renting of other machinery & equipment n.e.c. Renting of personal & household goods n.e.c.	Qualifications: Degree related to Accounting/Finance, Property Management, Business Management or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
16	33	Information technology	Computer programming, consultancy and related activities Computer consultancy activities Computer facilities management activities Other information technology and computer service activities Data processing, hosting and related activities Web portals Publishing of computer games and other software	Qualifications: Degree related to Computer Science/ Engineering, Software Engineering, Information Technology or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
				systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
17	34	Engineering services	Engineering activities and related technical consultancy Scientific research and development Technical testing and analysis Specialised design activities Architectural activities	Qualifications: Degree related to Science/Engineering, Architecture or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
18	35	Other services	Legal and accounting activities Management consultancy activities Public relations and communication activities Advertising and market research Photographic activities Translation and interpretation activities Service to buildings and landscape activities Employment activities Office administrative, office support and other business activities Cleaning activities	Qualifications: Degree related to legal studies, accounting, public relations, management or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
19	36	Public administration	Public administration & defence; compulsory social security Administration of the State & the economic & social policy of the community General (overall) public service activities Regulation of the activities of agencies that provide health care, education, cultural services & other social services, excluding social security	Qualifications: Degree related to Law, Management, Public Administration or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			Regulation of & contribution to more efficient operation of business Supporting service activities for the government as a whole Provision of services to the community as a whole Foreign affairs Defence activities Justice & judicial activities Public security, law & order activities Fire service activities Compulsory social security activities	quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
20	37	Education	Childhood education Primary education Secondary education General secondary education Technical & vocational secondary education Higher education Tertiary education Adult & other education Driving school activities Adult & other education n.e.c.	Qualifications: Degree related to Scientific/ Technical/Social/ Economic/ Classical Subjects, Teaching and Learning, Childhood, primary, secondary and tertiary education or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
21	38	Health	Human health activities Hospital activities Medical practice activities Dental practice activities Other human health activities Veterinary activities	Qualifications: Degree related to Medical field, Health studies, Veterinary medicine, Sport medicine or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent
		Social work	Social work activities Social work activities with	Qualifications: Degree related to Social work

Serial No.	IAF Accreditation Scope	Technical Area	NACE Industry Classification Activities	Competence of Technical Expert
			accommodation Social work activities without accommodation Child day - care activities Other social work activities without accommodation n.e.c	or equivalent Work experience: Technical experience in one or more of the NACE Industry Classification Activities Experience in some aspects of quality assurance/management systems Demonstrated competence: In the relevant Technical Area by interview, personal interaction and/or on-site monitoring or equivalent

Appendix A: Amendment Table

SN	Section	Amendment