

A guidance document to show the qualifications, experience and understanding required to obtain IQP Registration.

This document will be updated as new information becomes available.

Territorial Authority (IQP Requirements): -

Council have to be assured that a person applying to be an Independently Qualified Person (IQP) has the qualifications to do so.

Just because a person applied to become an IQP, it is not an automatic approval that a territorial authority will make.

Section 7 of the Building Act 2004 states that an applicant must be able to supervise all or some of the inspections, maintenance and reporting procedures required for a 'Specified System' stated on any compliance schedule and also certify that procedures have been fully complied with.

The applicant needs to be aware of the Building Act, Regulations, IQP inspections and test sheets, on site log books and requirements of a Form 12A (Certificate of compliance with inspection, maintenance and reporting procedures).

- Application forms must be completed in full and all supporting documentation provided.
- Restrictions may be placed on specified systems depending on qualifications and experience.
- Applicants must participate in Continuous Professional Development/Upskilling to maintain registration.

Note:




- Applications from experienced person without the formal qualifications listed will be considered on a case-by-case basis.
- Applications from qualified person with a lesser period of experience listed will be considered on a case-by-case basis.
- Applicants may be required to undertake an independent assessment (which would incur additional costs - these charges are between applicant and assessor).
- Overseas qualifications must have NZQA equivalency provided.
- Also see Disciplinary Code.




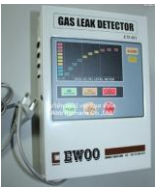
Building Act Knowledge (mandatory):




Building Act 2004

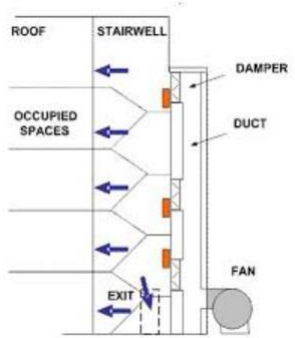
- Competency 1: Understand the Building Act 2004 and amendments - s3 purpose, s100-111 compliance schedule + building warrant of fitness, s164-168 Notice to Fix, 121-126 Dangerous buildings, 362A-363A Public use, Regulations - Infringements, Forms, Specified Systems.
- Competency 2: Understand the key roles - owner, IQP, TA, BCA, courts
- Competency 3: Read and interpret the Compliance Schedule
- Competency 4: Write annual reports, 12A's and Report in Lieu's
- Competency 5: Manage and direct technical personnel in respect to defects/remedial work.



System	Qualifications, experience and understanding	Professional membership
SS1 Automatic systems for fire suppression		
<p>SS1/1 - Automatic sprinkler</p> 	<p>3-5 Years' experience of sprinkler installation, testing, maintenance & inspection Knowledge of NZS4541, NZS4515, AS1851 - gas Knowledge of NFPA25 Bachelor of Engineering. Fixed Fire protection Systems L3 testing - restricted to testing only. Fixed Fire protection systems L3 installation - installation only Fixed Fire Systems L4 - installation, commissioning, testing and servicing of fire sprinkler systems and special hazards fixed Inspection & Testing L4 New Zealand Certificate in Engineering (NZCE) National Diploma in Engineering (NDE) SSC Certified Fire Sprinkler Contractor Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire Assessor for competenz level 3+4 in appropriate area Competent person who has combination of relevant training, qualification or experience. NZQA certification for acceptance of competency and qualification Note: completion of any of these qualifications in their own does not represent competency but contributes significantly to the overall evaluation. NZQA equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of NZ sprinkler Standards and work history. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPANZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS1/2 - Automatic systems for fire suppression</p> <p>Gas foam flood, deluge systems, dry and wet fire extinguishing system</p>  	<p>3-5 Years' experience of sprinkler installation, testing, maintenance & inspection Knowledge of NZS4541, NZS4515, AS1851 - gas Knowledge of NFPA25 Bachelor of Engineering. Fixed Fire protection Systems L3 testing - restricted to testing only. Fixed Fire protection systems L3 installation - installation only Fixed Fire Systems L4 - installation, commissioning, testing and servicing of fire sprinkler systems and special hazards fixed Inspection & Testing L4 New Zealand Certificate in Engineering (NZCE) National Diploma in Engineering (NDE) SSC Certified Fire Sprinkler Contractor Knowledge of Gas suppression systems (ANSUL) Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire Assessor for competenz level 3+4 in appropriate area Competent person who has combination of relevant training, qualification or experience. NZQA certification for acceptance of competency and qualification Note: completion of any of these qualifications in their own does not represent competency but contributes significantly to the overall evaluation. NZQA equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of NZ sprinkler Standards and work history. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPANZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>


System	Qualifications, experience and understanding	Professional membership
SS2 Automatic or manual emergency warning systems		
<p>SS2/1 - Automatic or manual fire alarms</p>   	<p>2-3 Years' experience of Fire alarm, installation, testing, maintenance & inspection NZQA fire detection and alarm systems L3 - inspection and testing only NZQA Fire detection and alarm systems L4 - installation and maintenance of the detection and alarm systems NZQA fire protection systems technology L4 - inspection and testing fire safety systems NZCE, NDE Institute of Fire Engineers. Vesda design Engineer (aspirating smoke detection). Knowledge of NZS4512, AS1851, NZS4541, NZS5263, NZS4561, AS2220 FPA Certified Fire Alarm Contractor Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire Assessor for Competenz level 3 + 4 in appropriate area Type 1 and 2 alarms for maintenance - evidence of suitable experience Knowledge of New Zealand Building Code clauses F7 Warning Systems NZQA certification for acceptance of competency and qualification. Competent person who has combination of relevant training, qualification and / or experience. Independent assessment may be required where there is insufficient qualification, experience.</p> <hr/> <p>Type 3 and 4 alarms - evidence of a working knowledge of NZBC clause F7 warning systems, and New Zealand Building Code clause F8 signs. Three years' experience as a technician Testing only: evidence of suitable experience in testing systems. Vesda design engineer (aspirating smoke detection) Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPANZ. Institute of Fire Engineers. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS2/2 - Gas leak detection - identify which type of gas:- Carbon monoxide, ammonia, chloride etc.</p> 	<p>2-3 Years' experience of Fire alarm testing, maintenance & inspection Fire Detection and Alarm Systems (Testing) L3 NZQA, Fire Detection and Alarm Systems Level 4 NZQA. Institute of Fire Engineers. Vesda design Engineer. Knowledge of NZS4512, AS1851, NZS4541, NZS5263, NZS4561, AS2220. Industry training. NZS5263. FPA25. Knowledge of refrigeration (ammonia) NZS 1677 Refrigeration system NZS 2927 2001: Storage and handling of liquefied chlorine gas and odorization part 5.8.1 HSNO approved handler NZS4641: Electrical apparatus for detection of oxygen and other gases NZS60079: Gas detectors selection installation use and maintenance of detectors for flammable gas and oxygen Evidence of suitable experience in gas detection and odorization. Health & Safety course - HSNO training, HAZTEC, Site Safe, Unit standards, chemical handling course, product training, Knowledge of New Zealand Building Code clause F3 Hazardous substances and processes Industry based training in particular brands Competent person who has combination of relevant training, qualification or experience. Independent assessment may be required where there is insufficient qualification, experience.</p>	



System	Qualifications, experience and understanding	Professional membership
SS3 Electromagnetic or automatic doors or windows		
<p>SS3/1 Automatic doors or windows</p>  	<p>2-3 Years' experience of installation maintenance & inspection Electrical Service Technician. Registered Electrical Inspector. Knowledge of NZS4239, AS4085, AS4178, AS4290, AS5007. Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire Registered Electrician. Advanced Trade Cert - Electrical Building Services & Industrial installation Electrical Engineering degree/certificate/diploma NZQA National Certificate Competent person who has combination of relevant training, qualification or experience. Independent assessment may be required where there is insufficient qualification, experience. Appropriate qualification. NZCE, NZME, NZ Trade Certificate - Electrical and or diploma in Electronics Note: Registered electrician part A+B now superseded by A. Electrical appliance service person and B electrical as per compliance schedule handbook 3/1 3/2 3/3.</p>	<p>Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS3/2 - Access-controlled doors</p> 	<p>As above (where appropriate) including: Appropriate Qualification - NZCE, NZME, NZQA National Certificate. National Cert Electronic Security, level 3+4 covers electronic security/CCTV/access control. Independent assessment may be required where there is insufficient qualification, experience. Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire.</p>	<p>Relevant Chartered Professional Engineer. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS3/3 - Interfaced fire or smoke doors or windows</p> 	<p>As above (where appropriate) including: Fire Detection and Alarm Systems Level 4 NZQA. Fire Detection and Alarm systems (testing) Level 3 NZQA. Knowledge of fire alarm testing. Knowledge of AS4178, NZS4232, NZS4239, AS5007. Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire Fire detection and alarm systems L3 NZQA inspection and testing only. Fire detection and alarm systems L4 NZQA installation and maintenance of detection and alarm fire systems. NZQA National cert electronics security level 3 Evidence of suitable experience as installation and/or service technician. Note essential that the type of doors is to be inspected is identified Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Relevant Chartered Professional Engineer. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>





System	Qualification, experience and understanding	Professional membership
<p data-bbox="140 221 405 266">SS4 - Emergency lighting systems</p> 	<p data-bbox="507 221 1150 707"> 2-3 Years' experience of installation, testing, maintenance & inspection Knowledge of AS/NZS 2293, NZS 6742, NZS 6104, Registered Electrician/Electrical Technician, Electrical Inspector NZ Practising Licence for Registered Electrician NZ Trade Certificate - Electrical and or diploma in electronics NZQA National Cert in Fire detection and alarms systems (Levels 3 to 7) If no electrical qualifications - test/inspection only Electrical Technician testing only Fire detection and alarm systems L4 New Zealand Qualifications authority installation and maintenance of fire detection and alarm systems Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, experience with examples, knowledge of NZ emergency lighting standards and work history Knowledge of New Zealand Building Code Clause F6 Visibility in Escape Routes Independent assessment may be required where there is insufficient qualification, experience. </p>	<p data-bbox="1193 221 1445 365"> Member of the FPA NZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks. </p>



System	Qualifications, experience and understanding	Professional membership
<p>SS5 - Escape route pressurisation systems - Stair Pressurisation Corridor Pressurisation</p> 	<p>3 years' experience in design, commissioning, maintenance and testing of systems, Registered Fire Engineer NZ Mechanical, Electrical, Diploma IANZ Qualifications Assessment Report Registered Electrician. Suitable qualification or i.e. NZ Trade Cert in Heating Ventilation and Air Conditioning Personnel qualified to applicable industry training programme recognised by the NZQA shall be deemed to satisfy competency and qualified requirements Competent person who has combination of relevant training, qualification and / or experience. Knowledge of: AS 1668.1: fire and smoke control in multi-compartment buildings Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire NZQA National Cert in Refrigeration and Air Con level 4. Independent assessment may be required where there is insufficient qualification, experience. NZS 3666 Air handling and water systems of buildings New Zealand Building Code AS 1-7 fire Safety NZCE in HVAC now replaced by NZQA National Cert in Engineering - level 5 or equivalent Advanced Trade NZQA National Cert in Heating, Ventilation and Air Con (Mechanical Services level 4) Diploma in applied engineering (Refrigeration and Air Con level 5) Diploma Building Services level 6 Diploma Mechanical Engineering level 6 Graduate/Bachelor of Engineering level 7 Registered engineering associated (Mechanical and HVAC) Electrical/Electronic Engineer Heating, Ventilation and Air Con (HVAC) fitter Refrigeration and Air Con Engineer. Independent assessment may be required where there is insufficient qualification, experience. NZCE Mechanical, Diploma Building Services Level 6, Registered Engineering Associate (Mechanical and HVAC) , Refrigeration + Air Conditioning Trade Cert. Electrical Service Technician. HVAC Fitter. Cert Engineering Technician. AS1851 Maintenance of Fire Protection Systems AS/NZS 1905.1:1997 Means of Escape from Fire C/AS1 Fire Safety AS 1851-2005 Maintenance of fire protection systems and equipment. Vesda Design Engineer (aspirating smoke detection) Evidence of suitable experience in gas detection Knowledge of refrigeration (ammonia), NZS5263 Gas detection and odorization Chemical handling course Product training Knowledge of New Zealand Building Code clauses F3 Hazardous substance processes Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>M IRHACE Grad IPENZ MIPENZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>


System	Qualifications, experience and understanding	Professional membership
<p>SS6 - Riser mains</p>  	<p>3-5 years' experience as an installation / maintenance Testing technician Knowledge of NZS 4510:2008(1998) Bachelor of Engineering. NZQA Fixed Fire Systems testing L3 - restricted to testing/installation only NZCE NDE Installation, commissioning, testing and servicing of fire sprinkler systems and special hazards fixed fire protection systems - Fixed fire protection systems L4. Competent person who has combination of relevant training, qualification or experience. Personnel qualified with industry training programme recognised by the NZQA Equipment including fire vehicle. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPANZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

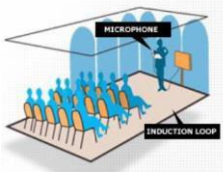

System	Qualifications, experience and understanding	Professional membership
<p data-bbox="140 221 416 266">SS7 - Automatic back-flow preventors</p> 	<p data-bbox="507 221 1166 920"> 1-2 Years' experience installation, maintenance and / or testing. Registered craftsman plumber. Demonstration of a working knowledge as an installation technician; or suitable NZQA standard qualifications. Back flow preventer tester course - NZQA. Apprenticeship Plumber and Gasfitting. NZQA Drainlayer. Registered Drainlayer. Registered Plumber. NZ Trade Cert Plumbing and Gasfitting. Proof of working knowledge as an installation technician; or a suitable NZQA qualification Nat Cert of Water Reticulation. IQP backflow device tester only, has attended and passed an approved backflow course. Current NZQA unit standard 23848 and/or NZQA unit standard 23847 and or NZQA unit standard 2117. This person is unable to carry out the maintenance of devices. Other qualifications may be approved as long as they match or exceed the criteria of the above unit standard (s). Competent person who has acquired thorough training, qualifications and / or experience. Knowledge of New Zealand Building Code clause G12 Water Supplies Knowledge of AS 2845.3 Water supply - backflow prevention devices field testing and maintenance of testable devices. A Backflow Prevention refresher course is required every 3 years Independent assessment may be required where there is insufficient qualification, experience. Knowledge of Health (Drinking Water) Amendment Act 2007 (section 69ZZZ) </p>	<p data-bbox="1193 221 1445 412"> Membership of Master Plumbers. Member of Water NZ, Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks. </p>

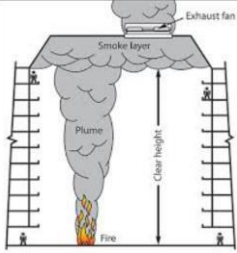



System	Qualifications, experience and understanding	Professional membership
SS8 - Lifts, travelators, or other systems for moving people or goods within buildings		
<p>SS8 - Passenger-carrying lifts</p> 	<p>3 -5 years' experience in design, maintenance & testing of systems, Inspection of mechanical access equipment up to 0.2m of speed excluding escalators, only need to be endorsed by the manufacturer, manufacturers agent or CBIP level 1/2 inspector, have demonstrated understanding of Building Act compliance schedule process and documenting requirements. . CBIP (Certified board for inspections personnel) Cert of proficiency level (1* / 2*) Knowledge NZS 4332 :1997, NZS4334, EN81:1998 Parts 1&2 - plus Amendments to EN81 Parts 1&2 Knowledge of New Zealand Building Code D2 Mechanical installations for access Working knowledge of approved documents/Acceptable solutions Suitable qualification or I.e. NZQA Trade Cert or diploma NZQA Trade Cert in Electrical Theory or practice. Registered electrician Personnel qualified to applicable industry training programme recognised by the NZQA Competent person who has acquired through training, qualifications and / or experience. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Where applicable - Industry Association. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS8/2 - Platform, low-speed and service lifts</p>  	<p>3 -5 years' experience in design, maintenance & testing of systems, Applicable Equipment types - (As above where appropriate) stair lifts, platform lifts vertical and inclined, dumbwaiters. Inspection of mechanical access equipment >0.2m/sec also need to - have been endorsed by a lift manufacturer or agent. Have demonstrated understanding of the Building Act compliance schedule and documenting requirements. Have completed a barrier free course. CBIP (Certified board for inspections personnel) Cert of proficiency level 1 Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Where applicable - Industry Association. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS8/3 - Escalators and moving walks</p> 	<p>3 -5 years' experience in design maintenance & testing of systems, CBIP (Certified board for inspections personnel) (As above where appropriate) Escalator endorsement Cert of proficiency level 1 . Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Where applicable - Industry Association. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

System	Qualifications, experience and understanding	Professional membership
SS9 - Mechanical ventilation or air conditioning systems		
<p>SS9 - Mechanical ventilation or air conditioning systems examples :- HVAC, cooling towers and evaporative coolers, fresh air systems operations, filtration, extract systems (plant room ventilation, kitchen exhaust, paint spray booths, gas scrubbing), supply and extract pressure control systems (noxious/hazardous gasses including refrigerants, refrigeration leak detection systems, explosive gases – propane). Ducting and harmful gas control with buildings - clean rooms (differential pressure control systems for bacterial control in hospital theatres, isolation rooms, quarantine facilities and pharmaceuticals manufacturing) , electrical heaters mounted in ducted systems, building management and control systems (signals to fire and electrical systems), HVAC ventilation and air conditioning systems (high rise building 'sandwich' pressurisation system).</p>   	<p>3 -5 years' experience in design maintenance and testing of systems, Knowledge of NZBC C1-C6 protection from fire Registered electrician part A+B now superseded by A. Electrical appliance service person and B electrical Service Technician Registered electrician Electrical service technician - testing only NZQA National Cert Engineering level 5 or equivalent Advanced Trade NZ Trade Cert Refrigeration Engineering now replaced by NZQA National Cert level 5 or equivalent advanced trade NZQA National Cert in Heating, Ventilation and Air Conditioning (Mechanical Services level 4) NZQA National Cert in Refrigeration and Air Con level 4 Diploma in Applied Engineering (Refrigeration and air con level 5) Diploma Building Services level 6 Diploma Mechanical Engineering - level 6 HVAC Fitter. Knowledge of: AS/NZS 3666.3:2000 Air-handling and water systems of buildings - Microbial control NZS 4302:1987 Code of practice for the control of hygiene in air and water systems in buildings. AS 1851/1668, AS/NZS 1668, 1998 table 7.2 Knowledge of New Zealand Building Code clauses G4 Ventilation Graduate/Bachelor of Engineering level 7 Registered engineering associate (Mechanical and HVAC) Registered fire engineer and or evidence of suitable qualification or experience as deemed necessary Engineering Associates Registration Board NZ Competent person who has acquired through training, qualifications and / or experience . Registered Electrician Part A+B now superseded by ASNZS 4303:1990 Ventilation for acceptable indoor air quality. Trade Cert Refrigeration Engineering. NZ Trade Cert Refrigeration and Advanced NZ Trade Cert. Registered Electrician. Electrical/Electronics Engineer. Refrigeration and Air Conditioning Engineer. HVAC Fitter. AS/NZS 1905.1:1997 Means of Escape from Fire C/AS1 Fire Safety AS 1851-2005 Maintenance of fire protection systems and equipment . Knowledge of: NZS 4303:1990 Ventilation for acceptable indoor air quality AS/NZS ISO 14644.7:2006 Cleanrooms and associated controlled environments AS/NZS ISO 14644.1:2002 Cleanrooms and associated controlled environments AS/NZS 3580.10 (various):2003 Methods for sampling and analysis of ambient air AS/NZS 3666.2:2002 Air-handling and water systems of buildings - Microbial control C/AS1 Fire Safety AS 1851-2005 Maintenance of fire protection systems and equipment. Independent assessment may be required where there is insufficient qualification, experience</p>	<p>Member IRHACE. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>Filter cleaning of kitchen extraction units</p> 	<p>1-2 years' experience Site Safe 1st Aid US15757 Fall arrest systems US18426 Confined spaces</p>	









System	Qualifications, experience and understanding	Professional membership
<p data-bbox="129 221 443 264">SS10 - Building maintenance units</p>  	<p data-bbox="496 221 1166 819">5 years' experience in design, installation and / or maintenance of systems, Trade Cert - Fitter & Turner. Unit Standard 15757 - Height Safety Advanced. Safety courses that include confined spaces, work platform operation, fall arrest, working at heights. CBIP level 1 Registered Structural or Mechanical Engineer. Chartered prof engineer or evidence of suitable qualification and three years' experience as an installation technician Knowledge of BS6037 Code of practice for the planning, design installation and use of permanently installed access equipment. Suspended access equipment and travelling ladders and gantries. BS6037:1990 Permanently Installed Suspended Access Equipment. Suitable Qualification in NZ Trade cert, and or five years' experience as an installation technician Work history installation technician. Knowledge of NZBC/Approved document Personnel qualified to applicable industry training recognised by the NZQA Competent person who has acquired training, qualifications and / or experience. Independent assessment maybe required where there is insufficient qualification, experience.</p>	<p data-bbox="1171 221 1493 365">Where applicable - Industry Association. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>






System	Qualifications, experience and understanding	Professional membership
<p data-bbox="129 221 391 264">SS11 - Laboratory fume cupboards</p> 	<p data-bbox="496 221 1166 743">3 years' experience in design, installation and / or maintenance of systems, Electrical Service Technician. Registered Electrical. NZ Cert in Engineering - Heating, Ventilation and Air Con - HVAC NZ Cert in Engineering - Mechanical Diploma Building Services level 6 Registered Engineering Associate Mechanical and HVAC Bach of Engineering Mechanical or equivalent Knowledge of AS/NZS 2243.(1) & (8) safety in labs, planning and operation Knowledge of New Zealand Building Code clauses F3 Hazardous substances and processes, Knowledge of AS/NZS 3500, NZS 7203 NZQA Assessment Report or Standard qualification or appropriate course Competent person has acquired thorough training, qualifications or experience Registered Craftsman plumber/gasfitter. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p data-bbox="1171 221 1490 365">M IRHACE Grad IPENZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>


System	Qualifications, experience and understanding	Professional membership
SS12 - Audio loops or other listening systems		
<p>SS12/1 - Audio loops</p> 	<p>2-3 years' experience in design maintenance of systems, Registered Radio Serviceman. Registered Electronics Technician. Radio Technician Trade Cert. Univox Hearing Loop Specialist training. Ampertronic training. BIAMP Audio training. Electrical registration with specialist experience in assertive listening systems (restricted to type of system) Knowledge of New Zealand Building Code clauses G5 Interior Environment and F7 Warning Systems, NZS 4121 AS 1008 Suitable NZQA standard qualification or appropriate course NZ Trade Cert in Radio and Associated Electronics Registered Electrician. Specialist Experience in Assistive Listening Systems Technician Competent person who has acquired training, qualifications or experience Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Electrical Registration with specialist experience in assistive listening systems (may be restricted to type of system). Member of Association of Building Compliance. Member IEEE. Member of BOINZ. Member of Building Networks.</p>
<p>SS12/2 FM Radio Frequency Systems</p> 	<p>1-2 years' experience in design maintenance of systems. Registered Radio Serviceman. Registered Electronics Technician. Radio Technician Trade Cert. Electrical registration with specialist experience in assertive listening systems (restricted to type of system) Knowledge of New Zealand Building Code clauses G5 Interior Environment and F7 Warning Systems Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Electrical Registration with specialist experience in assistive listening systems (may be restricted to type of system). Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

System	Qualifications, experience and understanding	Professional membership
SS13 - Smoke control systems		
<p>SS13/1 - Mechanical Smoke control include:- non-ducted, HVAC ventilation and air conditioning systems – ducted system, smoke control in Atriums and ceiling vaults (forced), smoke reservoir systems</p>  	<p>3-5 years' experience in design, installation, maintenance & Testing of systems, Fire Engineer. Assessor for Competenz level 3+4. Registered Electrician. HVAC Fitter. NZCE Mechanical Engineer. Electrical Service Technician. Refrigeration + Air Conditioning Engineer. NZ Trade Cert in Refrigeration. National Diploma of Mechanical Engineering. Advanced Trade Cert Electrical Building Services & Industrial Installation. Demonstrate knowledge of: AS 1851 Maintenance of fire protection systems NZS 4520 fire resistant doorsets Knowledge of New Zealand Building Code clauses C1-C6 Protection from Fire and clause G4 Ventilation AS 1851-2005 maintenance of fire protection systems and equipment. AS 1682.1 Fire dampers (withdrawn) AS 1530 methods for fire tests on building materials, components and structures; fire dampers (draft) NZCE HVAC replaced by NZQA cert engineering level 5 of equivalent advanced trade Special Training Course in fire and smoke control systems BE Mechanical or equivalent, M IPENZ, M IRHACE. Independent assessment may be required where there is insufficient qualification, experience. NZ Cert in Engineering - Mechanical Dip building services level 6 Dip refrigeration level 5 with appropriate units Registered engineering associate (mechanical and HVAC) Bach of engineering - mechanical or appropriate Chartered professional engineer or evidence of suitable qualifications and three years as an installation technician. Electrical service technician. NZ Trade Cert in refrigeration. Diploma in Refrigeration Level 5</p>	<p>M IRHACE Grad IPENZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>Fire dampers in ductwork and fire protection air paths</p> 	<p>NZCE Mechanical Engineer. Electrical Service Technician. Refrigeration + Air Conditioning Engineer. NZ Trade Cert in Refrigeration. National Diploma of Mechanical Engineering. Advanced Trade Cert Electrical Building Services & Industrial Installation. Person to demonstrate knowledge of: AS/NZS 1682.1 1990 Fire Dampers (withdrawn) AS 1530.4:2005 Methods for fire tests on building materials, components and structures; Fire Dampers (Draft). Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>M IRHACE. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS13/3 Smoke curtains</p> 	<p>Fire Engineer. Assessor for Competenz level 3+4. Registered Electrician. Advanced Trade Cert Electrical Building Services & Industrial Installation. Evidence of suitable qualifications and 3 years' experience as installation technician. Knowledge of AS 1851-2005. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

System	Qualifications, experience and understanding	Professional membership
SS14 - Emergency power systems for, or signs relating to, a specified system in any of specified systems 1 - 13		
<p>SS14/1 Emergency power (generator plant, diesel/mechanical/electrical generators, ups)</p>  	<p>3 years in design, installation & maintenance Mechanical engineer. Registered Electrician Diesel engineer. Diesel mechanic. NZQA - Automotive Engineer. NZ Motor Trade - A Grade Automotive Engineer Such systems are typically maintained by the company that services emergency generator or UPS systems, the exception to this is when such systems form part of the emergency lighting systems. In this case the Emergency Lighting IQP may provide a Form 12a for the lighting on receipt of a Form 12a from the UPS/Generator service provider. Working knowledge of NZS 6104 or NZS 4121 NZS 6742 Personnel qualified to applicable industry training programme recognised by the NZQA AS 1851-2005 Maintenance of fire protection systems and equipment. NZCE HVAC (old qualifications) now replaced by New Zealand Qualifications Authority (NZQA) National Certificate Engineering - Level 5 (or equivalent Advanced Trade), Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>M IRHACE Grad IPENZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>HVAC Emergency power to smoke control systems</p> 	<p>National Diploma of Mechanical Engineering. Advanced Trade Cert Electrical Building Services & Industrial Installation. New Zealand Certificate in Engineering – Mechanical Diploma Building Services Level 6, Diploma in Refrigeration Level 5 with appropriate units, Registered Engineering Associate (Mechanical and HVAC) , 3 years' experience in design of systems, Bachelor of Engineering - Mechanical or equivalent, Certificate in Electrical Appliance Servicing or Electrical Service Technician. Evidence of suitable qualification and 3 years' experience as installation technician. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>M IRHACE Grad IPENZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS14/2 Signs for above systems 1-13</p>   	<p>Signage also see 15(d) 2 years' experience administering & installation of signage Knowledge of New Zealand Building Code clause F8 Signs for clauses 1-13 may be assessed under their relevant specified system . Knowledge of New Zealand Building Code clauses F8 Signs or approved docs Knowledge of Building Act 2004/Sec 120, Competent person has acquired through training, qualifications or experience. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

System	Qualifications, experience and understanding	Professional membership
SS15 Other fire safety systems		
<p>SS15(a) Systems for communicating spoken information intended to facilitate evacuation</p> 	<p>2-3 Years' experience of Fire alarm, installation, testing, maintenance & inspection Fire Detection & Alarms L4 Inspection & Testing L4 New Zealand Certificate in Engineering (NZCE) National Diploma in Engineering (NDE) Note: completion of any of these qualifications in their own does not represent competency but contributes significantly to the overall evaluation. Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of NZ Fire Alarm Standard and work history as detailed in overall criteria requirements. NZQA Fire detection and alarm systems L3 - inspection and testing only Fire engineer. Equivalence overseas qualifications, progress on current industry qualifications, industry experience with examples, training certs, knowledge of NZ fire alarm standard and work history Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire and clause F7 Warning Systems Assessor for competenz level 3+4 in appropriate area. Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPA NZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS15(b)- Final exits</p>   	<p>2-3 years' experience as a fire technician in passive fire. National Certificate in Passive Fire protection (Routine Inspections) L3 National Certificate in Passive Fire Protection (Building Consent Inspections) L4 Fire Engineer Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of final exit inspections and work history as detailed in overall criteria requirements. Awareness of Fire Safety Evacuation of Building Regulations 2006 and amendments Knowledge of NZS 4121. Evidence of suitable experience and working with above docs Assessor for Competenz level 3+4. Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPA NZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS15 (c) - Fire Separations</p>    	<p>2-3 years' experience as a fire technician in passive fire. National Certificate in Passive Fire protection (Routine Inspections) L3 National Certificate in Passive Fire Protection (Building Consent Inspections) L4 Fire engineer Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of fire separation inspections and work history as detailed in overall criteria requirements. Assessor for Competenz level 3+4. Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire Independent assessment maybe required where there is insufficient qualification, experience. Awareness of Fire Safety Evacuation of Building Regulations 2006 and amendments</p>	<p>Member of the FPANZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

System	Qualifications, experience and understanding	Professional membership
<p>SS15 (d) - Signs for communicating information intended to facilitate evacuation</p>    	<p>2 years' experience as a fire technician in passive fire. National Certificate in Passive Fire protection (Routine Inspections) L3 National Certificate in Passive Fire Protection (Building Consent Inspections) L4 Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of signs for communicating information intended to facilitate evacuation inspections and work history as detailed in overall criteria requirements. Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire, F6 Visibility in Escape Routes and F8 Signs Awareness of Fire Safety Evacuation of Building Regulations 2006 and amendments Evidence of working knowledge of Building Act 2004/Sec 120 Inspection and maintenance procedures shall be carried out by persons having qualifications and experience suitable for the work on which they are engaged. Competent person has acquired training, qualifications and / or experience. Independent assessment may be required where there is insufficient qualification, experience.</p> <p>(Signage - may not be approved without. (SS 14/2)</p>	<p>Member of the FPA NZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>
<p>SS15 (e) - Smoke separations</p> 	<p>2 years' experience as a fire technician in passive fire. National Certificate in Passive Fire protection (Routine Inspections) L3 National Certificate in Passive Fire Protection (Building Consent Inspections) L4 Equivalence will also cover relevant overseas qualifications, progress on current industry qualifications, industry experience (with examples) training certificates, knowledge of smoke separation inspections and work history as detailed in overall criteria requirements. Knowledge of New Zealand Building Code clause C1-C6 Protection from Fire. Fire Engineer, Assessor for Competenz level 3+4. Awareness of Fire Safety Evacuation of Building Regulations 2006 and amendments Independent assessment may be required where there is insufficient qualification, experience.</p>	<p>Member of the FPA NZ. Member of Association of Building Compliance. Member of BOINZ. Member of Building Networks.</p>

Systems	Qualifications, experience and understanding	Professional membership
<p data-bbox="129 221 319 248">SS 16 cable cars</p> 	<p data-bbox="496 221 1166 248">2-3 Years' experience in design, maintenance and testing of system.</p> <p data-bbox="496 255 1166 338">Mechanical engineer with comparable qualifications to Engineer that certifies amusement machines or automatic pulling devices and break devices as they apply to cable cars.</p> <p data-bbox="496 344 1166 416">Electrical / Mechanical engineer but also be proficient in implementing the requirements of NZS 5270:2005 Cable-cars for Private Residences - Design, Construction and Maintenance.</p> <p data-bbox="496 423 1166 450">Advanced Trade Cert Fitting, Turning + Machining.</p> <p data-bbox="496 456 1166 483">Electrical Service Technician.</p> <p data-bbox="496 490 1166 517">NZCE - Mechanical.</p> <p data-bbox="496 524 1166 551">Independent assessment may be required where there is insufficient qualification, experience.</p>	<p data-bbox="1171 221 1490 248">Member of Association of Building Compliance.</p> <p data-bbox="1171 255 1490 282">Member of BOINZ.</p> <p data-bbox="1171 288 1490 315">Member of Building Networks.</p>