

License Class	0	1		3	4	5
License Class Description	A/C and Refrigeration Trainee	Refrigerant Recovery	Plug-In Appliances	Small Scale A/C & HPs	Vehicle A/C	General A/C, Refrigeration & HPs
Equipment & Application Scope	All applications and all refrigerants but only if under the direct supervision of a fully qualified technician.	Applications and refrigerants included in Class 2 to 4 full licenses only.	All single-phase plug-in domestic & commercial appliances including refrigerators, fridge/freezers, freezers, dehumidifiers, bottle coolers, retail display cabinets and excluding absorption systems.	Domestic & commercial air-conditioning and heat pumps with charge < 2.6 kg and capacity < 12 kW including split and ducted space heating and cooling systems, and HPs for potable hot water, swimming pools and underfloor heating systems.	All vehicle space air-conditioning and heating systems including private cars, vans, trucks, construction equipment, cranes, farm vehicles and buses but excluding trains, ships and aircraft (for systems using CO ₂ the appropriate endorsement is required;).	All refrigeration, air-conditioning and heat pumps systems (for systems using ammonia or CO ₂ the appropriate endorsement is required).
Activities Covered by License	Installation, commissioning, maintenance & servicing, troubleshooting, optimisation, decommissioning & disposal under supervision depending on the full license qualification being sought.	Independent recovery of refrigerant from small charge systems (License class 2 to 4 applications only). Independently leak test and recharge refrigerant from small charge systems using fully automated equipment only.	Maintenance & servicing, decommissioning & disposal of appliances.	Installation (including sizing & model selection), maintenance & servicing, decommissioning & disposal.	Maintenance & servicing, decommissioning and disposal (design and installation excluded as imported to NZ as complete units).	Design (including estimation of heat loads, sizing and selection of components but an only an awareness of seismic, pressure vessel and detailed system component design), installation & commissioning (including fabrication and assembly), maintenance & servicing, troubleshooting, optimisation, decommissioning and disposal.
Refrigerant Types Used	A1, A2L, A3, B2L	A1, A2L, A3	A1, A2L, A3	A1, A2L, A3	A1, A2L, A3	A1, A2L, A3
Qualification Title	Proof of: - Enrolment - Employer support	NZ Certificate in Refrigerant Recovery	NZ Certificate in Refrigerated Appliance Servicing	NZ Certificate in Air-Conditioning & Heat Pump Installation & Servicing	NZ Certificate in Vehicle Air-Conditioning	NZ Certificate in Refrigeration, Air-Conditioning and Heat Pumping
Qualification Level	-	3	4	4	4	4
Credits	0	<40 credits	≈120	≈120	≈120 without endorsements+ < 40 (CO ₂ endorsement)	≈ 240 without endorsements+ < 40 (Ammonia) + < 40 (CO ₂) ≈ 300 with both endorsements

Table 1 – Proposed Framework of Refrigerant License Classes and Qualifications

Micro-Credential	Refrigerant Recovery	Flammable Refrigerants	Ammonia	CO ₂
Description	Entry level qualification for those independently undertaking refrigerant recovery for well-defined small charge systems.	Upskilling for those trained before qualifications covered flammable refrigerants.	Extension of generic skills to use of ammonia as a refrigerant.	Extension of generic skills to use of CO ₂ as a refrigerant.
Equipment & Application Scope	Applications and refrigerants included in Class 2 to 4 full licenses only.	All possible uses of A2L and A3 refrigerants Regulations & standards, excluding ammonia.	Medium and large-scale use of ammonia for refrigeration & heat pumping.	All possible uses of CO ₂ .
Qualification Level	3	4	4	4
Credits	<40 credits	< 40	<40	<40

Table 2: Proposed Micro-Credentials