

Published and issued by the Industrial Commission of New Zealand

NEW ZEALAND SHIP, YACHT AND BOATBUILDING INDUSTRY –
AMENDMENT OF APPRENTICESHIP ORDER

Dated 8/12/75

In the Industrial Court of New Zealand – In the matter of the Apprentices Act 1948; and in the matter of the New Zealand Ship, Yacht and Boatbuilding Industry Apprenticeship Order dated the 8th day of March 1972 and recorded in the 72 Book of Awards 1493.

Whereas by section 13 (2) of the Apprentices Act 1948, the Court is empowered to amend any apprenticeship order: And whereas application has been made to the Court by the New Zealand Ship, Yacht, and Boat Building and Shipwrighting and Coopering Apprenticeship Committee for amendment of the New Zealand Ship, Yacht, and Boat Building Industry Apprenticeship Order, dated the 8th day of March 1972: And whereas the Court has considered the recommendations made to it by the said Committee: Now, therefore, the Court, in pursuance and exercise of the powers vested in it by the said Act doth hereby order as follows:

1. That the said apprenticeship order shall be amended in the manner following:

(1) By deleting clause 1 (Industry to which Order Applies) and substituting therefore the following clause:

(1) Industry to Which Order Applies – The industry to which this order shall apply is that included in the following branches:

- (1) Shipbuilding and repairing;
- (2) Ship and Yacht maintenance, repairing and rebuilding;
- (3) Yacht and boatbuilding and repairing;
- (4) Ship joinery;

(all hereinafter referred to as, and included in, the term “the industry”).

(2) By deleting from clause 2 (Application of Order) the final sentence – (An “agreement” in line 6 to 1913 in line 9) and substituting therefore the following sentence:

(An “agreement” is a collective agreement or award registered by the Industrial Commission under the Industrial Relations Act 1973.)

(3) By deleting subclause (a) of clause 8 (Term of Apprenticeship) and substituting therefore the following subclause:

(a) The term of apprenticeship shall be 9,000 hours, divided into nine 1,000 hour periods.

(4) By deleting subclause (a) of clause 11 (Wages) and substituting therefore the following subclause:

(a) The minimum weekly rates of wages payable to apprentices shall be the undermentioned percentages of an amount equal to forty times the minimum hourly wage rate for indentured or time served journeymen in the branch of the industry to which the apprentice is apprenticed, as prescribed by the award or agreement relating to the employment of such journeymen for the time being and from time to time in force in the establishment in which the apprentice is employed or if there is no such award or agreement, as prescribed by the award or agreement relating to the employment of such journeymen for the time being and from time to time in force in a locality including the City of Wellington.

For apprentices beginning their apprenticeship when under 18 years of age:

	Per Cent
First 1,000-hour period	41
Second 1,000-hour period	47
Third 1,000-hour period	53
Fourth 1,000-hour period	59
Fifth 1,000-hour period	65
Sixth 1,000-hour period	72
Seventh 1,000-hour period	79
Eighth 1,000-hour period	86
Ninth 1,000-hour period	93

For apprentices beginning their apprenticeship when under 18 years of age who have obtained a pass in School Certificate subjects including a pass in mathematics giving admission to Form VI under Education Department criteria:

	Per Cent
First 1,000-hour period	46
Second 1,000-hour period	52
Third 1,000-hour period	58
Fourth 1,000-hour period	64
Fifth 1,000-hour period	70
Sixth 1,000-hour period	77
Seventh 1,000-hour period	84
Eighth 1,000-hour period	91
Ninth 1,000-hour period	98

For apprentices beginning their apprenticeship when 18 years of age or over:

	Per Cent
First 1,000-hour period	50
Second 1,000-hour period	56
Third 1,000-hour period	62
Fourth 1,000-hour period	68
Fifth 1,000-hour period	74
Sixth 1,000-hour period	80
Seventh 1,000-hour period	86
Eighth 1,000-hour period	92
Ninth 1,000-hour period	98

(5) By deleting the Schedule (Operations and Skills) and substituting therefore the following schedule –

SCHEDULE

OPERATIONS AND SKILLS

The operations and skills are mandatory unless otherwise shown.

1. Shipbuilding and Repairing – (a) Care and maintenance of tools, use of tools, shop work (including machining);
- (b) Setting down of boat, laying of keel, setting up frames, laying down in mould loft, making templates for all deck fittings and ironwork;
- (c) Making of masts and spars, hatches, internal fittings, deck entrances and deck houses. Knowledge of ship and boat construction from keel to truck;
- (d) Slipping, unslipping, setting up of launch ways.

In addition to the above mandatory operations and skills an employer may also teach the following:

- (e) A general knowledge of ship joinery;
- (f) Oxy-acetylene and electric arc welding so far as is necessary for the purpose of making tack welds in the course of boat or ship building or so far as is necessary for simple cutting operations in the course of boat or ship repair work.

2. Ship and Yacht maintenance repairing and rebuilding – (a) A sound training in the care and maintenance of hand working tools and usages thereof;

(b) Knowledge of training in the use of machines (including portable machines) used in the industry;

(c) Recognition of various materials used in the industry, including timber, and material sizes;

(d) A knowledge of ships plans, specifications and bills of materials;

(e) Overhaul and repair work including:

(i) Slipping, unslipping, setting up of launching ways;

(ii) Caulking, cotton and oakum, including the repair of watertight joints to doors, hatches, hatch-covers, portholes, tank tops, windows and other applications;

(iii) Making templates for and fitting of all deck fixtures and iron work including making all patterns for marine type castings;

(iv) All hull fittings, ports, scuppers, engine intakes, domestic outlets and other appurtenances;

(v) Insulation for refrigeration, air-conditioning and sound proofing purposes;

(vi) Ships joinery including crew and passenger accommodation fittings, lino laying, for a minimum of 1,000 hours of the total apprenticeship term;

(vii) Life boats and rafts and their care, maintenance and stowage;

(viii) Oxy-acetylene cutting, and welding so far as may be necessary for the purposes of making tack welds, during the course of ship repair and overhaul work, and the brazing of boat fittings.

In addition to the above mandatory operations and skills an employer may also teach the following:

(ix) Electric arc welding for the purposes of making tack welds;

(x) Fitting engine beds and auxiliary beds, lining up of beds and lining up of rudders, and steering gear, fitting windlasses and anchor gear, capstans, hawsers and spurling pipes;

(xi) Knowledge and practice in principles of vessel construction in any of the commonly used building media as relateable to work undertaken during the apprenticeship term;

(xii) Aluminium electric arc welding;

(xiii) Application of protective and decorative finishes.

3. Yacht and Boatbuilding and Repairing – (a) Basic Skills and Operations:

(i) A sound training in the care and maintenance of hand working tools and usages thereof;

(ii) Knowledge of training in the use of machines (including portable machines) used in the industry;

(iii) Recognition of various materials used in the industry, including timber, and material sizes;

(iv) A knowledge of ships plans, specifications and bills of materials;

(v) Setting down of boat, laying of keel, setting up of frames, laying down in mould loft, making of templates for all deck fittings and iron work as required in the type or types of yacht and boat construction to be undertaken;

(vi) Welding and brazing of boat fittings;

(vii) Making of patterns for castings;

(viii) All aspects of ship joinery as related to the type of building undertaken for a minimum of 1,000 hours of the apprenticeship term.

(b) The employer shall give the required training and practice in the abovestated basic skills and operations in and during the training in the building of yachts and boats in at least one of the following methods of construction as selected by him:

(1) Wooden – in any of the following constructions –

(a) Diagonal planking;

(b) Edge planking;

- (c) Fore and aft carvel;
- (d) Clinker;
- (e) Plywood – for boats not less than 25 feet overall length.

2. Plastic and Fibreglass – also including –

- (a) A thorough knowledge of gelcoats and resins, materials and reinforcing used and safety precautions involved;
- (b) Laying up in fibreglass both in hand lay and gun application;
- (c) The design of all reinforcing members;
- (d) The design, lofting and making of plugs and moulds for not less than 1,000 hours of the apprenticeship term (but time involved in polishing or moulds to be additional).

(3) Ferro-concrete, exclusive of concrete plastering of the hull, deck and cabin tops, but also including:

- (a) Tack welding and fairing of frames;
- (b) The fitting of all hull fittings, ports, scuppers, engine intakes, domestic outlets and other appurtenances;
- (c) All deck features and work in wood or other materials.

(4) Steel – in those sections of construction concerning:

- (a) The setting out of structural members for hull and deck houses;
- (b) The marking out of hull fittings and deck fixtures, aligning of spurling pipes, rudders and ports, bollards, beltings and gallows, deck houses and other fittings.

(5) Aluminium – also including –

- (a) Aluminium electric welding throughout the building of vessels in this material;
- (b) The bending and making of all plates, shaping of aluminium after trimming for construction and repair work;
- (c) The making of masts and spars.

In addition to or unless already stated in the mandatory skills and operations listed in sections (a) and (b) above, the employer may also teach the following:

- (d) Electric arc welding for the purposes of making tack welds;
- (e) Fitting engine beds and auxiliary beds, lining up of beds and lining up of rudders, and steering gear, fitting windlasses and anchor gear, capstans, hawsers and spurling pipes;
- (f) Knowledge and practice in principles of vessel construction in any of the commonly used building media as relateable to work undertaken during the apprenticeship term;
- (g) Aluminium electric arc welding;
- (h) Application of protective and decorative finishes.

4. Ship Joinery – (a) Use, care and maintenance of tools;

- (b) Recognition of timber and timber sizes;

(c) Working knowledge of blueprints, quantities and setting out of work appertaining to ships;

(d) Jointing, scribing, rebating, trenching all types of joinery and cupboard fittings whether in wood or substitute materials;

- (e) Dovetail, mortice and tenon joints to be hand taught;

(f) Template making in accordance with trade practice aboard ship;

(g) Bridge work; sliding doors, sliding hatches, sky-lights, windows and bridge interior;

(h) Cabin fittings including panelling around port and bulkheads;

(i) Repairs to locks and key cutting;

(j) Lino laying – ship style;

(k) Set of drawers (ship style) to be made;

(l) Hanging and manufacture of all types of ship doors and louvres;

- (m) Knowledge of glass cutting templates;
- (n) Construction of domestic refrigeration chambers;
- (o) Care, maintenance and stowage of life rafts;
- (p) Knowledge of machines used in the industry (including portable machines) and safety precautions.

In addition to the above mandatory operations and skills, an employer may teach the following:

(q) Fitting engine beds and auxiliary beds, lining up of beds and lining up of rudders and steering gear, fitting windlasses and anchor gear, capstans, hawsers and spurling pipes;

(r) Caulking, cotton and oakum, setting up of ways for launching, insulating work on cold chambers, crew and passenger accommodation fittings;

(s) Slipping and unslipping.

2. This order, in so far as the provisions relating to clauses 2, 8 and 11 are concerned, shall operate and take effect from the 1st day of January 1976, and so far as all other provisions of the order are concerned, shall operate and take effect from the day of the date hereof.

Dated this 8th day of December 1975.

R. D. Jamieson, Judge.