

- PART A:  
. marine and other waterborne vessels  
PART B:  
. torpedoes and marine mines

PART A: Marine and other waterborne vessels

This Part of B7A is the general heading for marine and other waterborne vessels but the operational subjects of powering, propelling, steering and manoeuvring, ballasting, stabilising, towing, mooring, berthing and docking vessels are dealt with in heading B7V, Propelling ships &c

This Part of B7A is also concerned with the following:

- . certain vessels in association with other apparatus for performing a special purpose
- . hulls and floats
- . certain fittings and accessories for vessels and for which provision does not exist in other headings
- . certain methods of building, fitting and repairing vessels and apparatus therefor not provided for in other headings
- . tank testing installations for vessel models

Definitions

In this Part the following terms are used with the following meanings:

VESSEL: any structure capable of floating on water and whose *primary function* is to perform one of the following operations whilst floating

- (a) the transportation of cargo, equipment or people on or under water
- (b) storage
- (c) marking and indicating
- (d) supporting equipment, people or other objects above or below a water surface. In its simplest form a vessel could comprise a mere float

HULL: that part of a vessel which provides buoyancy

SHELL: that part of a vessel's hull which forms its external skin

The exclusion references listed in this heading part are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

Explanation of subject matter and relationship with other headings

Relationships with other headings are given in the body of the Classifying Schedules. However, the exclusion references listed in this heading part are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

Relationship with the Universal Indexing Schedules (heading U1S)

As classification in this part of the heading usually explicitly or inherently connotes use or application, and the heading is not concerned with materials *per se*, U1S will rarely be applied to specifications classified here

Operative dates for Key entries

The operative dates of the terms in this heading part are:

1. for terms annotated by a marginal code, that of the Edition corresponding to that code
2. for all other terms, earlier than that of Edition A

Classifying indexing and searching notes

All matter falling within Part A of this heading is classified and indexed in accordance with the respective Classifying and Indexing Schedules set out below. \*Asterisked indexing terms are only assigned for corresponding disclosure which is novel or described in sufficient detail to constitute useful search material *per se*. In searching, a term from the Classifying Schedule can be combined with one or more appropriate terms from the Indexing Schedules associated therewith provided that at most one \*asterisked term is used

For the purposes of classifying in this part of the heading, the following rules apply

- a) A vessel, a hull of a vessel and a shell of a hull are at different, descending organisational levels, *ie* a hull is at a higher level of organisation than a shell since a shell is a component of a hull. Likewise between a vessel and a hull. However, sometimes difficulties occur when attempting to classify a document according to one of these levels. A shell which is the sole component of a hull (*eg* it includes integral stiffeners which afford sufficient rigidity to obviate the need for other hull structural components such as bulk heads) is classified as a shell. Whether a disclosure relating to a single float should be classified at the "vessel" "hull" or "shell" level depends purely on the detail and emphasis in that disclosure
- b) Inflatable craft having a plurality of integral buoyancy tubes are classified as mono-hulls

Part A—cont(a) VESSELS, AND VESSELS IN ASSOCIATION WITH OTHER APPARATUS, FOR PERFORMING SPECIAL TASKS

Classified here are disclosures concerned with the performance of certain tasks as specified by terms AAAA-AAAA of the Classifying Schedule. If a disclosure relates to a vessel for such a task, but the technical subject is of general interest, *eg* a superstructure arrangement, it is classified elsewhere in the heading as appropriate. The equipment or apparatus *per se* for performing the task is also classified in this part if not provided for elsewhere, *eg* in such headings as E1F, Earth and rock working &c (for drilling derricks &c) F3C, Weapons &c; Lamps &c

Excluded are

. seaplanes—*See* B7W, Aircraft &c

Classifying Schedule

- n AAAA vessels, and vessels in association with other apparatus, for performing special tasks—  
 . buoys *including* light-ships—  
 . . hydrostatic control of inflation—*See* term A424 *below*  
 . . hydrostatic control of release devices—*See* term AAGH *below*  
 . . inflation or deflation of inflatable vessels—*See* term A424 *below*  
 . . lifebuoys—*See* term AAJ *below*  
 . . stowing and releasing buoys *including* submarine marker buoys—*See* term AAGH *below*  
 . . anchoring and mooring arrangements—*See* B7V, Propelling ships &c  
 . . ballasting and buoyancy arrangements—*See* B7V, Propelling ships &c  
 . . lamps—*See* F4R, Lamps &c  
 . . sonar buoys—*See* G4F, Signalling systems
- n AAAB . ferries
- n AAAC . tankers and like bulk carriers
- n AAAD . salvage vessels, methods of salvaging and righting vessels and laying and retrieving anchors to/from the sea bed  
 . . buoyancy bags and buoyant spheres *per se*—*See* term AGT *below*  
 . . breach mats, hull enveloping bags and the like for stopping hull leakage—*See* term AAMQ *below*  
 . . stowing and releasing buoys *including* submarine marker buoys—*See* term AAGH *below*  
 . . anchors and launching and recovering anchors from and to a vessel—*See* B7V, Propelling ships &c
- n AAEE . pipe and cable laying vessels  
 . . pipe laying aspects—*See* F2P, Pipes and tubes
- AAF . fishing vessels *including* whalers  
 . . methods of and apparatus *per se* for fishing—*See* A1A, Fishing &c
- AAG . ice-breakers and vessels with other apparatus especially for voyaging in ice fields *including* hull shapes specific to ice breaking  
 . . ice boats—*See* B7B, Road vehicle bodies &c  
 . . forced pitching or rolling of vessels for ice-breaking purposes—*See* B7V, Propelling ships &c
- n AAAH . lifeboats, life rafts *including* self-righting arrangements and methods and apparatus for rescuing people and objects from the water *including* throw lines and rescue sledges  
 . . lifebuoys, life jackets, life belts &c—*See* term AAJ *below*  
 . . stowing and releasing buoys and life rafts—*See* term AAGH *below*  
 . . floating fire-engines—*See* A5A, Fire-fighting &c  
 . . emergency escape chutes—*See* B7J, Vehicle accessories &c
- n AAJ . floats for supporting a load/body in the water *including* lifebuoys, life jackets, life belts, swimming aids &c  
 . . buoys—*See* term AAAA *above*  
 . . floats for pipelines and swimming pool lane markers—*See* term AAAT *below*  
 . . mounting lifebuoys on vessels—*See* term AAGH *below*  
 . . inflation and deflation of inflatable vessels—*See* term A424 *below*  
 . . buoyant material *per se*—*See* term AGT *below*  
 . . wind, water and spray guards on life-jackets—*See* term AGV *below*  
 . . net and line floats—*See* A1A, Fishing &c  
 . . harnesses *per se*—*See* A3V, Wearing-apparel &c  
 . . diving suits, wet and dry suits and non-buoyant survival suits—*See* A3V, Wearing-apparel &c  
 . . fenders, energy absorbing—*See* F2S, Energy absorbing and storing; vibrating
- n AAAK . barges and lighters *including* barge-trains, self-discharging barges and under-water barges  
 . . interfitting between hulls of pusher tug and barge—*See* term ADU *below*
- AAL . towing skiers and swimmers and divers, vessels constructed or specially adapted for
- n AAAN . submersibles *including* submarines  
 . . surface warships—*See* term AAU *below*  
 . . launching torpedoes—*See* term ATC in Part B  
 . . ballasting—*See* B7V, Propelling ships &c

Part A—cont

- n AAAP . floating docks, pontoons, harbours, quays, jetties, landing stages, rafts and aerodromes  
 . . connections between units—*See* terms ADU to ADY *below*  
 . . floating swimming pools—*See* A4N, Baths, basin &c  
 . . floating landing platforms and runways (*other than* ship's decks) and docks for aircraft—*See* B7G, Controlling and propelling aircraft &c  
 . . pontoon bridges—*See* E1G, Rail and roadways
- n AAAQ . offshore structures *including* semi-submersibles and jack-up structures, *eg* drilling vessels, floating cranes, production platforms, storage vessels, and artificial islands and *including* pontoon and column arrangements for the reduction of heave  
 . . floating aerodromes—*See* B7G, Controlling and propelling aircraft &c  
 . . bottom engaging parts of spuds and legs on jack-up rigs—*See* E1H, (term HCA), Aqueous structures, piles &c  
 . . non-floating aqueous structures *including* gravity and piled structures—*See* E1H, Aqueous structures, piles &c  
 . . gravity and steel jacket platforms—E1H, Aqueous structures, piles &c
- n AAAT . barriers, booms and breakwaters *including* floats for pipelines and swimming pool lane markers  
 . . floating pipelines—*See* F2P, Pipes and tubes  
 . . fish barriers—*See* A1A, Fishing &c
- n AAAU . surface warships *including* aircraft carriers  
 . . submersibles *including* submarines—*See* term AAAN *above*
- n AAAX . launching, landing and handling aircraft aboard ships—*See* B7G, Controlling & propelling aircraft &c  
 . . other vessels for pleasure or sport *including* sailboards and surfboards, water shoes, skates, skis, sledges, canoes and pedalos  
 . . educational, ornamental, toy and like model ships and boats—*See* A6S, Toys &c; B6G, Ornamenting &c; G5G, Educational appliances &c
- n AAAY . other vessels for special tasks  
 . . pond breathers—*See* A1A, Fishing &c  
 . . floating fire engines—*See* A5A, Fire fighting &c  
 . . floating structures specifically adapted to harness wave power—*See* F1S, Miscellaneous prime movers

(b) PLURAL FUNCTION APPARATUS

Classified here are disclosures concerned with the organisation of apparatus which is capable of functioning as a vessel (*see* definition *above*) and as a non vessel such as a road vehicle, an item of wearing apparel &c. Two clear types of plural function apparatus exist. The first is that type which is capable of performing in its different modes without having to undergo change, *eg* a sledge/surf board. The second is that type which has to undergo change to be converted from one mode to another, *eg* an amphibious vehicle with extendable skirts to increase the displacement. Certain components of plural function apparatus are also classified here if not elsewhere provided for a lower level of organisation in Part A of this heading, *eg* hull or float organisation, or in other headings, usually those headings associated with the other function of the apparatus, *eg* vehicle suspension systems

Excluded are:

- . floating swimming pools—A4N, Baths, basins &c
  - . air-cushion vehicles—B7K, Air-cushion vehicles &c
  - . seaplanes—B7W, Aircraft &c
- ABA . amphibious land vehicles *including* the adaptation or conversion of land vehicles to vessels  
 . . fittings for attachment to a vessel to facilitate transportation on land—*See* term AHA *below*  
 . . land vehicles used to power vessels—*See* B7V, Propelling ships &c
- ABC . amphibious aircraft *other than* seaplanes
- ABX . other plural function apparatus *including* vessels convertible to or from non-vessels  
 . . life jackets, life belts &c—*See* term AAJ *above*

(c) VESSEL ORGANISATION

Classified here are disclosures concerned with (a) the inter-relationships of two or more sub-assemblies or elements of a vessel such as its superstructure, or hatches *and* one or more hulls and (b) the arrangement and disposition of fittings and accessories

Excluded are:

- . arrangements and disposition solely of those fittings and equipment for vessel operation—*See* B7V, Propelling ships &c

Classifying Schedule

- ACA vessel organization  
 . *See also* Indexing Schedules 1, 2 and 3

## Part A—cont

## Classifying Schedule—cont

(d) HULLS AND FLOATS

Classified here are disclosures concerned with the following subjects:

1. Hydrodynamic features of a vessel's underwater surface(s).  
Included here are the subjects of reducing wavemaking or residual resistance of hull, bow and stern forms; shapes and bottom configurations of planing hulls and hulls having high drag characteristics for a special reason, *eg* the hull of an oceanographic buoy. Also included are the forms and constructions of the planing surfaces of flying boat hulls
2. Particular hull forms and shapes which are not exclusively related to hydrodynamic performance.  
Usually the form or shape satisfies some design parameter, *eg* to simplify the shell development plan of a hull, to provide a limited range of operational drafts, a desired range of righting levers, a particular block coefficient or merely a peculiar overall shape to facilitate cargo carrying. Both forms and shapes of mono- and multi-hulled vessels are classified here
3. The constructional organisation and the structural components and details of mono- or multi-hull or float configurations.  
With regard to multi-hulled vessels, the subjects covered by terms ADU, ADX and ADY are those relating to the structural relationships of two or more hulls *and* the interconnecting structure. Included here are arrangements by which the hulls of pusher tugs and barges are mutually engaged to form a barge train—*See* term ADU

hulls, and floats—

- . multi-hulls and floats—
- n AADA . . . arrangements of, *ie* hydrodynamic and hydrostatic functional interrelationships thereof
- c ADU . . . constructional organisation—
- . . . releasably connected together *including* arrangements by which the hulls of pusher tugs and barges are mutually engaged to form a barge train
- . . . . mooring vessels to one another (*eg* for towing or berthing purposes) and equipment thereof—*See* B7V, Propelling ships &c
- c ADX . . . permanently connected together by way of pivots or hinges
- c ADY . . . other types of multi-hull or float
- . single hulls and floats—
- . . . constructional organisation—
- c ADN . . . inflatable *including* attaching inflatable elements to rigid hull
- . . . . inflation and deflation of inflatable vessels—*See* term A424 below
- n AADS . . . collapsible, foldable or sectionalised, *other than* inflatable
- c ADT . . . other types of single hull or float
- . forms and shapes of single hulls and floats—
- ADD . . . complete hull, or float, *eg* bow and stern combined
- . . . . hull shapes for ice-breaking purposes—*See* term AAG below
- . . . . hydrodynamic features and construction of hydrofoils—*See* B7V, Propelling ships &c
- ADB . . . bow
- ADC . . . stern
- . . . secondary modifications of basic forms and shapes of hulls and floats—
- ADE . . . . recesses and channels (*see also* term ADF below)
- . . . . arrangements and disposition on a vessel of apparatus, *eg* nozzles, ducts, deflectors and reversing gates, which directs water streams entering or leaving a screw propeller—*See* B7V (term VHN), Propelling ships &c
- ADF . . . . other secondary modifications *including* combinations thereof with recesses and channels and stepped hull bottoms
- . . . . . sheathing on hulls—*See* term AEB below
- . . . . . hydrofoils *including* mounting and arrangements on vessels—*See* term AHF below
- . . . . . way stopping apparatus on ships—B7V, Propelling ships &c
- . . . reducing resistance *other than* solely by secondary modifications to basic forms and shapes of hulls, and floats *including* combinations of such modifications with additional fittings for reducing hull resistance
- ADG . . . using a fluid
- . . . . coatings for reducing hull skin friction—*See* B2E, Coated products
- . . . . hovercraft and like vessels—*See* B7K, Air-cushion vehicles
- . . . . reducing surface friction or resistance by controlling or modifying water flow in the boundary layer and of general applicability—*See* F2R, Boundary layer control
- a ADH . . . using other means, *eg* additional plates attached to a hull bottom
- a AHF . hydrofoils *including* mounting thereof on hulls, hydrofoil arrays and wave compensation arrangements *not elsewhere provided for*
- . . construction and hydrodynamic features of hydrofoil blades *per se*—*See* B7V, Propelling Ships &c
- . . components and structural details—
- AEA . . frames and framing *including* stringers, cellular and double bottoms

Part A—contClassifying Schedule—cont

- n AAEB . . shells *including* double skin structures, stiffening for plating and the construction of buoyancy tubes *per se* in inflatable craft and materials and coatings (*eg* antifouling) therefor *not elsewhere provided for*  
 . . . cathodic protection—*See* C7B, Electrolysis  
 . . . antifouling coatings—*See* C7E, Cleaning metals &c  
 . . . armour and armour plating—*See* F3C, Weapons &c
- AEC . . bilge keels
- AED . . keels, keelsoms and skegs *other than* bilge keels and drop keels *including* arrangements of keels for self-righting purposes  
 . . . centre boards, drop keels and fin keels on surfboards—*See* term AHJ *below*
- AEG . . bulkheads and partitions
- AEH . . decks and deck plates and floorboards *including* floorboards for inflatable craft
- AEL . . constructional features of compartments, tanks and bunkers *not elsewhere provided for, including* supports therefor, linings  
 . . . arrangements and disposition thereof—*See* term ACA *above*  
 . . . filling, emptying and venting arrangements of ships tanks (*including* tankers) of general interest—*See* B8T, Bottling, stoppers &c  
 . . . construction of, fabrication of, insulation of, and supporting a liquefied gas tank in a ship's hold—*See* F4P, Gas storing, liquefying &c  
 . . . ventilating ship's cargo spaces—*See* F4V, Ventilation and air conditioning
- AEM . . gunwales and bulwarks  
 . . . inflatable rubbing strips and the like—*See* term AAGP *below*
- AEN . . caulking strips
- AER . . structural buoyancy means
- AEX . . other components and structural details *including* modular components

(e) VESSEL FITTINGS AND ACCESSORIES

Classified here are disclosures concerned only with those vessel bulkhead, deck and hull fittings, accessories and attachments which are listed in the corresponding part of the Classifying Schedule. In general fittings and accessories are classified in such headings as B7V, Propelling ships &c; for propelling, steering, manoeuvring, towing, stabilizing, ballasting and mooring equipment and for hydrofoil blades

Excluded are:

- . capstans and hoisting and winching apparatus—*See* B8B, Winches, tackles &c; counterbalancing

Classifying Schedule

- n AAGB . . awnings, canopies, cargo tents and boat covers  
 . . awnings of general applicability—*See* E1D, Buildings &c
- n AAGD . . footboards and stretchers, footrests for canoes, footstraps for windsurfers, surfboards, ski bindings for water skis and leashes for surfboards &c
- AGE . . gangways, boarding platforms and ladders *other than* landing gangways and ladders
- AGF . . bulkhead doors *including* side doors in hulls and frames therefor *not elsewhere provided for*
- n AAGG . . emergency escape apparatus for crews of submarines or other sunken vessels
- n AAGH . . apparatus for stowing and releasing buoys and life raft containers *including* submarine marker buoys, and hydrostatic control of release devices  
 . . life boat davits—*See* B8H, Load shifting apparatus
- AGK . . super structures, deckhouses, wheelhouses, cabins and saloons, *eg* internal design and layout, *not elsewhere provided for*  
 . . cabins of general applicability—*See* E1D, Buildings &c
- AGL . . cargo handling fittings *not elsewhere provided for including* cargo battens, shifting boards, shutters
- AGM . . casings or covers for pipes, rods, chains, ropes and wires
- AGN . . companions and staircases  
 . . fenders (*including* pier fenders) *per se*—  
 . . energy absorbing—*See* F2S, Energy absorbing and storing; vibrating
- n AAGP . . non-energy absorbing *including* skids and skates for lifeboats, rubbing strakes  
 . . storage devices for energy absorbing fenders—*See* term AGX *below*
- AGQ . . hatches and hatchways *including* inspection hatches for propellers  
 . . (Note: Overlap exists with E1J, Windows, doors &c; and E2M, Window, door, gate operating-appliances)
- AGS . . look-out shelters
- AGT . . non-structural buoyancy means, *eg* air bags and watertight casing &c and *including* buoyant spheres *per se* for use in salvaging vessels and buoyant material *per se*  
 . . controlling the buoyancy of a vessel—*See* B7V, Propelling ships &c
- AGV . . wind, water spray-guards and shields *including* such guards on life-jackets  
 . . windshields of general interest—*See* B7J, Vehicle accessories

Part A—contClassifying Schedule—cont

- AGW . stanchions, pillars and rails *including* hand grips  
 AHA . transporting on land, fittings on vessels for, *eg* landwheels on a vessel  
 . . amphibious land vehicles—*See* term AAV *above*  
 . . boat trailers—*See* B7B, Road vehicle bodies &c
- n AAHB . protective devices against weapons *including* ship mounted torpedo nets and screens  
 . . degaussing apparatus *per se*—*See* H1P, Electromagnets, permanent magnets &c  
 . . submarine nets and minefields—*See* term ATA in Part B
- AHC . sail lockers  
 AHD . legs, spuds and their associated gear for causing relative vertical and horizontal movement  
 . . bottom engaging parts of spuds and legs on jack-up rigs—*See* E1H (term HCA), Aqueous structures, piles &c  
 . . overlap exists with B8J, Jacks &c
- a AHG . plugs, scuppers and water escape parts *including* self bailers  
 a AHJ . centre boards, drop keels and leeboards *including* fin keels for surfboards  
 n AAHK . bags and the like for protecting a hull or float or other parts of a vessel against the marine environment  
 . . bags for stopping hull leakage—*See* term AAMQ *below*
- AGX . other fittings and accessories *not elsewhere provided for*  
 . . cathodic protection—*See* C7B, Electrolysis
- n AAGY . plural function fittings and accessories  
 o AGXL . apparatus for launching and retrieving vessels *including* from fixed structures

(f) METHODS OF AND APPARATUS FOR BUILDING, FITTING, CONVERTING AND REPAIRING VESSELS; INCLUDING LAUNCHING AND RETRIEVING VESSELS FROM AND TO LAND

Classified here are disclosures concerned with methods of assembling, enlarging, converting, breaking, manufacturing, refurbishing, refitting and repairing vessels *if not provided for* in other headings such as -

- A4F, Cleaning &c
- C7B, Electrolysis
- C7E, Cleaning metals
- E1S, Building appliances &c
- F2N, Cleaning pipes and tubes for removing encrustations *including* marine growth from hulls and corrosion
- B3 headings for metal working
- B4 headings for cutting and hand tools
- B5 headings for non-metal working

Also classified here are specialised tools, jigs and apparatus for performing the methods referred to above and *not provided for* in other headings

Classifying Schedule

- c AMB . methods of and apparatus for building, fitting, converting and repairing vessels  
 . . methods of and apparatus for modifying or converting vessels, *eg* enlarging or scrapping them  
 . . methods of and apparatus for fabricating or assembling hulls or parts thereof—
- c AMC . . using prefabricated hull blocks, sections or units  
 c AMD . . using moulds, templates, frames or like formers  
 c AME . other methods and apparatus *not elsewhere provided for*  
 c AMF . shipyard layouts *including* the arrangement of fabrication areas around a building berth  
 n AAMM . shoring and strutting, *including* bilge and keel blocks and cradles  
 AAMP . slipways and methods and apparatus for launching and retrieving vessels from and to land  
 n AAMQ . breach mats, hull enveloping bags and the like for stopping hull leakage  
 AMX . other apparatus *not elsewhere provided for*

(g) TANK TESTING INSTALLATIONS FOR VESSEL MODELS

Classified here are disclosures concerned with the organisation of such installations

Classifying Schedule

- n ANA . tank testing installations for vessel models  
 . . appliances for producing waves in water and baths and basins *per se*—*See* A4N, Baths, basins &c

(h) OTHER SUBJECTS NOT ELSEWHERE PROVIDED FORClassifying Schedule

- n AXX . other subjects *not elsewhere provided for*

Part A—contIndexing Schedule 1

*Terms from this schedule are only assigned to relevant disclosures classified by terms ACA, and ADN to ADY from the Classifying Schedule*

		kinds or types of vessels—
n	A101	. buoys
	A102A	. lifebuoys, lifejackets, lifebelts and like apparatus for lifesaving purposes or for supporting a body in water, eg a swimmer
	A103	. shoes, skates, skis and sledges for travelling on water
h	A104	. surfing vessels
	A147	. sailboards ( <i>NB</i> wherever term A147 is assigned, term A104 is also assigned)
		. vessels propelled by oars, paddles or poles—
	A111	. . canoes
	A112	. . <i>other than</i> canoes <i>including</i> punts
	A113	. wind propelled vessels
	A114	. water cycles and scooters <i>including</i> pedalos
	A121	. dumping vessels
	A122	. barges and lighters
	A123	. tugs, shunters and pusher vessels, and offshore supply vessels
	A131	. pontoons and rafts
		. off-shore structures—
	A132	. . floating storage tanks <i>including</i> oil tankers moored to a submarine wellhead and used as a floating tank
	A133	. . floating mono-mooring terminals, <i>ie</i> a terminal for tankers having an arrangement which permits the tanker to lie to wind and water forces
	A134	. . floating aerodromes
	A135	. . floating oil and gas drilling and production platforms
	A136	. . barriers and booms
	A137	. . breakwaters and harbours
	A138	. . quays, jetties and landing stages
	A139	. . other off-shore structures <i>including</i> jack-up rigs
	A140	. . floating cranes
	A141	. amphibious vehicles
	A142	. floating docks
	A143	. houseboats
	A144	. ice breakers
	A145	. lifeboats <i>including</i> liferafts
	A146	. light ships
n	A148	. ferries <i>including</i> Roll-on-Roll-off
n	A149	. submersibles <i>including</i> submarines
n	A150	. tankers and liquid gas carriers

Indexing Schedule 2

*Terms from this schedule are only assigned to relevant disclosures classified by terms ACA, ADA to ADH and AEB from the Classifying Schedule*

		vessels or hulls characterized by their construction or hydrodynamic form—
*	A201	. concrete
*	A204	. plastics and moulded fabric
	A210	. hydrofoil craft ( <i>other than</i> planing craft)
	A213	. planing craft
		. submersibles—
	A214	. . submarines having life support systems
	A215	. . other submersibles
	A216	. raised by reaction jets
	A217	. collapsible and foldable ( <i>other than</i> merely an inflatable hull) <i>including</i> vessels having collapsible bulwarks
	A218	. inflatable only
	A219	. adapted for nesting
	A222	. frameless
	A223	. lift or negative lift obtained by aerofoils <i>eg</i> seaplanes
	A224	. self-righting
		. multiple hulled and sectional vessels, <i>including</i> vessels supported on roller and other separate floats, and two or more parts relatively movable, <i>but not</i> semiturn or cathedral hulls—
	A230	. . sectional vessels <i>ie</i> a vessel made up from a plurality of detachable hulls which form a single vessel when joined together
	A231	. . hulls or floats transversely moveable
	A232	. . hulls or floats vertically moveable
	A233	. . rotary floats or rollers
	A234	. . other multi-hulled craft

Part A—contIndexing Schedule 3

*Terms from this schedule are only assigned to relevant disclosures classified by term ACA from the Classifying Schedule and only of a novel character or described in sufficient detail to constitute useful search material*

arrangements and disposition of vessel fittings and accessories *not* normally associated with the operation of a vessel when underway—

- \* A401 . air locks and double-door and like escape chambers
- \* A403 . . . air locks *per se*—See F2B (Part C), air locks and like sealing devices
- \* A404 . awnings, canopies and cargo tents
- \* A405 . boat covers
- \* A406 . cat walks, gangways and boarding ladders and platforms
- \* A407 . bulk head doors and frames
- \* A408 . cabin, deck and port lights
- \* A408 . superstructures, cabins and saloons *including* detachable/movable superstructures, deckhouses, bridges, conning towers and wheelhouses
- \* A409 . companion ways and staircases
- \* A411 . fenders rubbing strips and the like
- \* A413 . hatches and hatchways
- \* A414 . lockers, ship and boat
- \* A415 . lookout shelters and windshields
- \* A416 . non-structural buoyant means, *eg* air bags &c
- \* A417 . ports and like openings in hulls
- \* A418 . wind, water and spray guards and shields
- \* A419 . stanchions and rails
- \* A420 . torpedo nets and screens
- \* A421 . seats and thwarts
- \* A423 . manufacturing plant
- \* A424 . apparatus for inflating or deflating inflatable vessels, *including* hydrostatic control of inflation
- a \* A425 . hydrofoils
- a \* A426 . marker and escape apparatus for sunken vessels and submarines
- n A427A . ramps *including* bow and stern arrangements
- n A430A . . . accommodating and handling cargo, *eg* the arrangement and disposition of a ship's liquefied gas tank—
- n A430A . . . load accommodating arrangements—
- n A430A . . . for liquids, slurries, powders and like bulk materials, *eg* the arrangement and disposition of a ship's liquefied gas tank
- n A430A . . . . constructional features of compartments, tanks and bunkers *not elsewhere provided for*—See term AEL *below*
- n A430A . . . . filling, emptying and venting arrangements for ship's tanks (*including* tankers) of general interest—See B8T, Bottling, stoppers &c
- n A430A . . . . construction of, fabrication of, insulation of, and supporting a liquefied gas tank in a ship's hold—See F4P, Gas storing, liquefying &c
- n A430B . . . for discrete loads—
- n A430B1 . . . . for road and/or rail vehicles
- n A430B1 . . . loading and unloading arrangements—
- n A430C . . . loading and unloading vessels—See B8E, Loading and unloading
- n A430C1 . . . for liquids, slurries, powders and like bulk materials—
- n A430C1 . . . . for collecting, recovering and/or discharging, depositing material from or to the marine environment *including* vessels for applying liquid, fluids and particulate material to the water surface, waste disposal vessels and dredgers
- n A430C1 . . . . . self-discharging barges—See term AAK *above*
- n A430C1 . . . . . vessels associated with harvesting and mowing machines for seaweed—See A1F, Harvesting &c
- n A430C1 . . . . . floating apparatus for removing liquids and solids from liquid surfaces—See B1D, Filtering and settling
- n A430C1 . . . . . sea calming by discharging oil—See E1H, Aqueous structures, piles &c
- n A430C1 . . . . . floating incinerators—See F4B, Furnaces &c
- n A430D . . . for discrete loads, *eg* containers—
- n A430D1 . . . . ramps, *including* bow and stern arrangements—See term A427A *above*
- n A430D1 . . . . for floating cargo *including* vessels of variable displacement to effect loading and unloading cargo, *eg* floating barges
- n \* A40X1 . other vessel fittings and accessories

PART B: Torpedoes and marine mines &c

This Part of B7A is primarily concerned with laying, storing, handling, detecting, recovering, removing, sweeping and destroying torpedoes and explosives sea and land mines, and also includes subjects related to torpedoes and sea mines not elsewhere provided for, *eg* mine fields

Explanation of subject matter of Part B and relationships with other headings

This Part of B7A is concerned only with those subjects listed in the Classifying Schedule

Excluded are:

- . torpedo nets and screens—*See* term AAHB in Part A of this heading
- . shearing devices for cutting cables—B3W, Shearing, punching &c metals
- . propelling and steering torpedoes—B7V, Propelling ships &c
- . explosive materials and compositions—C1D, Explosives and pyrotechnics
- . explosive charges and detonators; firing arming and disarming devices—F3A, Ammunition &c
- . mines of general interest—F3A, Ammunition &c; F3C, Weapons &c
- . launching and steering mines and torpedoes from aircraft—F3C, Weapons &c

The exclusion references listed in this heading part are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

Relationship with the Universal Indexing Schedules (heading U1S)

As classification in this part of the heading usually explicitly or inherently connotes use or application, the main use of U1S in relation to this heading is to identify, subject to the U1S indexing rules, the nature of special cargoes carried, and to identify apparatus with which the subject-matter of this heading is associated

Operative date for Key entries

The operative date of the terms in this heading part is that of Edition A

Classifying Schedule

ATA	mine field and booms
ATB	sea-mines and associated subjects <i>not elsewhere provided for</i>
ATC	sea-torpedoes and associated subjects <i>not elsewhere provided for</i>
ATD	detecting, recovering, removing, sweeping and destroying torpedoes and explosive mines
ATE	laying, storing and handling explosive mines