



## VESSEL EQUIPMENT LIST—CLASS 2C

This equipment list is for your guidance. For full details refer to the [National Standard for Commercial Vessels](#).

Items required	Vessels affected
<b>Life rafts and rescue boats</b>	
Inflatable coastal life rafts 100%  <i>(Note: Coastal life rafts may be replaced by open reversible inflatable life rafts for 2C operations where a risk assessment has determined that the safety of crew and passengers would not be adversely affected. See NSCV Part C subsection 7A 5.4.1, which lists those factors which should be taken into account when conducting a risk assessment).</i>	<25m, unless <15m and level flotation has been fitted as per NSCV Part C Section 6B
Survival craft and rescue boats	≥ 25m as required by sections 33 to 35 of <i>Marine Order 25 (Equipment — lifesaving)</i>
Anti-exposure suit of appropriate size 100% rescue boat crew	≥25m and continuously engaged on voyages in operational areas with a monthly mean water temperature of 15°C or less
<b>Lifebuoys</b> Light and smoke signals are to be self-activating and each lifebuoy assumed to support 2 persons	
8 minimum—2 with lights and smoke signals, 2 with lights and 2 with buoyant lines	≥60m
6 minimum—2 with lights and smoke signals, 1 with light and 2 with buoyant lines	≥45m <60m
4 minimum—2 with lights and smoke signals and 2 with buoyant lines	≥25m <45m
2 minimum—1 with light and 1 with buoyant line	≥15m <25m
1 minimum with light	<15m, unless <10m and carries 1 person only, or <6m and level flotation has been fitted as per NSCV Part C Section 6B
<b>Lifejackets</b> Lifejacket light to be self-activating	
Coastal-lifejacket with a light 100%	All
<b>Distress signals</b>	
406MHz EPIRB—until 1 January 2021	>2nm from land must carry a class 2 or class 3 EPIRB
406MHz EPIRB—from 1 January 2021  <i>(Note: this is in addition to any EPIRB carried as part of a life raft or survival craft.)</i>	≥12 m long and >2nm from land must carry a class 2 EPIRB fitted in a category 1 bracket <12 m long and >2nm from land that do not meet the level flotation criteria mentioned in NSCV Section 6 - must carry a class 2 EPIRB, fitted in a category 1 bracket or All other 2C vessels <12 m long and >2nm from land must carry either a class 2 EPIRB or a class 3 EPIRB.
3 parachute distress rockets	All
2 red hand-held flares	All
1 hand-held orange smoke signal	All
<b>Onboard communications and alarm systems</b>	
General emergency alarm system	≥25m



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<b>Emergency electrical installation and equipment</b>	
Self-contained source of electrical power, either a dedicated battery or diesel generator, to provide emergency power to all key systems for 3hrs (See NSCV Part C Section 5B)	All
Temporary emergency power battery (See NSCV Part C Section 5B)	≥25m carrying berthed passengers, except where the emergency generator starts and comes on load automatically
Emergency lighting (See NSCV Part C Section 5B)	≥25m or ≥500GT
Battery-operated torch for 100% crew	All
<b>Navigation equipment</b> Vessels 35m or more in length shall comply with MO 27	
Clock (may be included in other navigation equipment)	<35m
Pair of binoculars fitted with neck strap and carrying case	<35m
Echo sounder	<35m
Signaling light	All
International Code flags appropriate to vessel activities	<35m
Nautical publications	<35m
ECDIS / ECS / Paper charts and backup for electronics	<35m
GNSS	<35m where plotting equipment (ECDIS, ECS, etc) is fitted
Radar reflector	<12m
Speed and distance indicator	<35m
Compass (card 75mm minimum diameter)	<10m
Compass (card 100mm minimum diameter)	≥10m <20m
Compass (card 125mm minimum diameter)	≥20m <35m
Communication system to emergency steering	<35m



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<b>Miscellaneous equipment</b>	
Windlass, anchors and cables (See NSCV Part C Section 7D for anchoring requirements)	All
Sea anchor	<10m, unless capable of anchoring in deep water
Hawsers and warps	All
Scale F First Aid Kit as per NSCV Part C Section 7A Annex H <b>Note:</b> GES 2015/01 may also be applicable to vessels operating in C, D or E waters	All
Logbook (See MO504)	All
HF Radio with DSC/Satellite communication system/Satellite telephone	All when operating beyond LCS areas of coverage
VHF Radio with DSC	All
Current edition of the “Marine VHF Radio Operators Handbook”	≥7.5m
Current edition of the “Marine Radio Operators Handbook”	≥7.5m when operating beyond LCS areas of coverage
Navigation lights, day shapes and flags as per the Prevention of Collision at Sea Regulations (MO30)	All
Sound signal	<12m
Whistle	≥12m
Bell (300mm minimum diameter)	≥20m
Gong	≥100m
Rudder angle indicator	≥15m
Collar repair kit and air pump	All Inflatables/RIBs
Bilge pumps (see Table 1)	All
Approved safe means of access (See NSCV Part C Section 1 Clause 6.16 and Table 33)	All

**Note:** For Fire Fighting Equipment complying with the NSCV, please refer to the NSCV Part C Section 4.



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Table 1: Bilge Pumps

Measured length of vessel	Manual pumps with discharge capacity		Power pumps with discharge capacity	
	Number	Capacity in kilolitre/hour	Number	Capacity in kilolitre/hour
<5m	Bailing bucket acceptable for open boats provided the bilge is readily accessible			
≥5m <7.5m	1	4.0	-	-
≥7.5m <10m	2	4.0	-	-
≥10m <12.5m	1	5.5	1	5.5
≥12.5m <17.5m	1	5.5	1	11.0
≥17.5m <20m	1	8.0	1	11.0
≥20m <25m	-	-	2	11.0
≥25m <35m	-	-	2	15.0