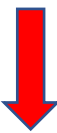



Equipment required ↓	Class of vessel					
	Class I	Class II	Class II A (<150)	Class II A (≥150 - ≤300)	Class II A (≥300 - ≤500)	Class II A (≥500)
Type of voyage [†] →	All	All	All	All	All	All
Magnetic compass	1	1	1	1	1	1
Spare magnetic compass	1	1	1	1	1	1
Pelorus or compass bearing device	1	1	1	1	1	1
Nautical charts and nautical publications	1	1	1	1	1	1
Global Navigation Satellite System	1	1	1	1	1	1
Radar reflector * required on vessels <150 GT	1	1	1	-	-	-
Sound reception system on ship's where the bridge is totally enclosed	1	1	1	1	1	1
Means to communicate heading information to the emergency steering position	1	1	1	1	1	1
Daylight signalling lamp * required on vessels >100 GT	1	1	1*	1	1	1
Bridge Navigational Watch Alarm System	1	1	1	1	1	1
Depth sounding device	1	1	1	1	1	1
9 GHz Radar	1	1	1	1	1	1
Electronic plotting aid	1	1	1	1	1	1
Speed and distance measuring device (speed and distance through the water)	1	1	1	1	1	1
Transmitting heading device	1	1	1	1	1	1
Automatic Identification System	1	1	1	1	1	1
Gyro Compass * required on vessels >500 GT	1	1	-	-	-	1
Gyro Compass Bearing Repeater * required on vessels >500 GT	1	1	-	-	-	1
Rudder, Propeller, Thrust, Pitch and Operational Mode Indicators * required on vessels >500 GT	1	1	-	-	-	1
Automatic Tracking Aid * required on vessels >500 GT	1	1	-	-	-	1
3 GHz Radar * required on vessels >3000 GT	1	1	-	-	-	1
Second Automatic Tracking Aid * required on vessels >3000 GT	1	1	-	-	-	1*
Automatic Radar Plotting Aid * required on vessels >10,000 GT	1	1	-	-	-	1*
Heading or Track Control System * required on vessels >10,000GT	1	1	-	-	-	1*
Rate of Turn Indicator * required on vessels >50,000GT	1	1	-	-	-	1*

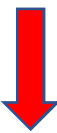

Equipment required 	Class of vessel					
	Class I	Class II	Class II A (<150)	Class II A (≥150 - ≤300)	Class II A (≥300 - ≤500)	Class II A (≥500)
Type of voyage [†] 	All	All	All	All	All	All
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	1	1	-	-	-	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	1*	1*	-	-	-	1*
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	-	-	-	-	-
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	1	1	-	1	1	1
Voyage data recorders * required on vessels >3000 GT, on international voyages	1	1	-	-	-	-
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	-	-	-	-	-

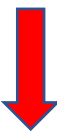

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short interntional voyages

Equipment required 	Class of vessel							
	Class V (<150)	Class V (≥150 - ≤300)	Class V (≥300 - ≤500)	Class V (≥500)	Class VI (<150)	Class VI (≥150 - ≤300)	Class VI (≥300 - ≤500)	Class VI (≥500)
Type of voyage [†] 	All	All	All	All	All	All	All	All
Magnetic compass	1	1	1	1	1	1	1	1
Spare magnetic compass	-	-	-	-	-	-	-	-
Pelorus or compass bearing device	1	1	1	1	1	1	1	1
Nautical charts and nautical publications	1	1	1	1	1	1	1	1
Global Navigation Satellite System	1	1	1	1	1	1	1	1
Radar reflector * required on vessels <150 GT	1	-	-	-	1	-	-	-
Sound reception system on ship's where the bridge is totally enclosed	1	1	1	1	1	1	1	1
Means to communicate heading information to the emergency steering position	1	1	1	1	1	1	1	1
Daylight signalling lamp * required on vessels >100 GT	1*	1	1	1	1*	1	1	1
Bridge Navigational Watch Alarm System	-	-	-	1	-	-	-	1
Depth sounding device	1	1	1	1	1	1	1	1
9 GHz Radar	1	1	1	1	1	1	1	1
Electronic plotting aid	1	1	1	1	1	1	1	1
Speed and distance measuring device (speed and distance through the water)	1	1	1	1	1	1	1	1
Transmitting heading device	1	1	1	1	1	1	1	1
Automatic Identification System	1	1	1	1	1	1	1	1
Gyro Compass * required on vessels >500 GT	-	-	-	-	-	-	-	-
Gyro Compass Bearing Repeater * required on vessels >500 GT	-	-	-	1	-	-	-	1
Rudder, Propeller, Thrust, Pitch and Operational Mode Indicators * required on vessels >500 GT	-	-	-	1	-	-	-	1
Automatic Tracking Aid * required on vessels >500 GT	-	-	-	1	-	-	-	1
3 GHz Radar * required on vessels >3000 GT	-	-	-	1*	-	-	-	1*
Second Automatic Tracking Aid * required on vessels >3000 GT	-	-	-	1*	-	-	-	1*
Automatic Radar Plotting Aid * required on vessels >10,000 GT	-	-	-	1*	-	-	-	1*
Heading or Track Control System * required on vessels >10,000GT	-	-	-	1*	-	-	-	1*
Rate of Turn Indicator * required on vessels >50,000GT	-	-	-	1*	-	-	-	1*

Equipment required 	Class of vessel							
	Class V (<150)	Class V (≥150 - ≤300)	Class V (≥300 - ≤500)	Class V (≥500)	Class VI (<150)	Class VI (≥150 - ≤300)	Class VI (≥300 - ≤500)	Class VI (≥500)
Type of voyage [†] 	All	All	All	All	All	All	All	All
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	-	-	-	1*	-	-	-	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	-	-	-	-	-	-	-	-
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	-	-	-	-	-	-	-
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	-	-	-	-	-	-	-	-
Voyage data recorders * required on vessels >3000 GT, on international voyages	-	-	-	-	-	-	-	-
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	-	-	-	-	-	-	-

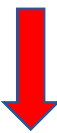

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short interntional voyages

Equipment required 	Class of vessel				
	Class VII (<150)	Class VII (≥150)	Class VIIA (<150)	Class VIIA (≥150 - ≤500)	Class VIIA (≥500)
Type of voyage [†] 	All	All	All	All	All
Magnetic compass	1	1	1	1	1
Spare magnetic compass	-	1	-	1	1
Pelorus or compass bearing device	1	1	1	1	1
Nautical charts and nautical publications	1	1	1	1	1
Global Navigation Satellite System	1	1	1	1	1
Radar reflector * required on vessels <150 GT	1	-	1	-	-
Sound reception system on ship's where the bridge is totally enclosed	1	1	1	1	1
Means to communicate heading information to the emergency steering position	1	1	1	1	1
Daylight signalling lamp * required on vessels >100 GT	1*	1	-	1	1
Bridge Navigational Watch Alarm System	1	1	-	1	1
Depth sounding device	1	1	1	1	1
9 GHz Radar	1	1	1	1	1
Electronic plotting aid	1	1	1	1	1
Speed and distance measuring device (speed and distance through the water)	1	1	1	1	1
Transmitting heading device	1	1	1	1	1
Automatic Identification System	1	1	1	1	1
Gyro Compass * required on vessels >500 GT	-	1*	-	-	1
Gyro Compass Bearing Repeater * required on vessels >500 GT	-	-	-	-	1
Rudder, Propeller, Thrust, Pitch and Operational Mode Indicators * required on vessels >500 GT	-	1*	-	-	1
Automatic Tracking Aid * required on vessels >500 GT	-	1*	-	-	1
3 GHz Radar * required on vessels >3000 GT	-	1*	-	-	1*
Second Automatic Tracking Aid * required on vessels >3000 GT	-	1*	-	-	1*
Automatic Radar Plotting Aid * required on vessels >10,000 GT	-	1*	-	-	1*
Heading or Track Control System * required on vessels >10,000GT	-	1*	-	-	1*
Rate of Turn Indicator * required on vessels >50,000GT	-	1*	-	-	1*

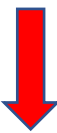

Equipment required 	Class of vessel				
	Class VII (<150)	Class VII (≥150)	Class VIIA (<150)	Class VIIA (≥150 - ≤500)	Class VIIA (≥500)
Type of voyage [†] 	All	All	All	All	All
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	-	1*	-	-	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	-	-	-	-	-
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	1*	-	-	1*
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	-	1	-	-	-
Voyage data recorders * required on vessels >3000 GT, on international voyages	-	1	-	-	-
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	1*	-	-	-

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short international voyages

Equipment required 	Class of vessel							
	Class VIII (<150)	Class VIII (<150)	Class VIII (≥150 - ≤300)	Class VIII (≥150 - ≤300)	Class VIII (≥300 - ≤500)	Class VIII (≥300 - ≤500)	Class VIII (≥500)	Class VIII (≥500)
Type of voyage [†] 	Local	International	Local	International	Local	International	Local	International
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	-	-	-	-	-	-	1*	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	-	-	-	-	-	-	-	-
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	-	-	-	-	-	1*	1*
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	-	-	-	-	1*	1	1*	1
Voyage data recorders * required on vessels >3000 GT, on international voyages	-	-	-	-	-	-	-	1*
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	-	-	-	-	-	-	1*

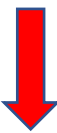

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short international voyages

Equipment required ↓	Class of vessel							
	Class IX	Class IXA	Class X (<100)	Class X (≥100)	Class XI (<150)	Class XI (≥150 - ≤300)	Class XI (≥300 - ≤500)	Class XI (≥500)
Type of voyage [†] →	All	All	All	All	All	All	All	All
Magnetic compass	1	1	1	1	1	1	1	1
Spare magnetic compass	-	-	-	-	-	-	-	-
Pelorus or compass bearing device	1	1	1	1	1	1	1	1
Nautical charts and nautical publications	1	1	1	1	1	1	1	1
Global Navigation Satellite System	1	-	1	1	1	1	1	1
Radar reflector * required on vessels <150 GT	1*	1*	1	1*	1	-	-	-
Sound reception system on ship's where the bridge is totally enclosed	1	1	1	1	1	1	1	1
Means to communicate heading information to the emergency steering position	1	1	1	1	1	1	1	1
Daylight signalling lamp * required on vessels >100 GT	1	1	-	1	1*	1	1	1
Bridge Navigational Watch Alarm System	-	-	-	-	-	-	-	-
Depth sounding device	1	1	1	1	1	1	1	1
9 GHz Radar	1	1	1	1	1	1	1	1
Electronic plotting aid	1	-	1	1	1	1	1	1
Speed and distance measuring device (speed and distance through the water)	1	-	1	1	1	1	1	1
Transmitting heading device	1	-	1	1	1	1	1	1
Automatic Identification System	1	1	1	1	1	1	1	1
Gyro Compass * required on vessels >500 GT	1*	-	-	1*	-	-	-	1
Gyro Compass Bearing Repeater * required on vessels >500 GT	1	-	-	1*	-	-	-	1
Rudder, Propeller, Thrust, Pitch and Operational Mode Indicators * required on vessels >500 GT	1	-	-	1*	-	-	-	1
Automatic Tracking Aid * required on vessels >500 GT	1	-	-	1*	-	-	-	1
3 GHz Radar * required on vessels >3000 GT	1	-	-	1*	-	-	-	1*
Second Automatic Tracking Aid * required on vessels >3000 GT	1	-	-	1*	-	-	-	1*
Automatic Radar Plotting Aid * required on vessels >10,000 GT	1	-	-	1*	-	-	-	1*
Heading or Track Control System * required on vessels >10,000GT	1	-	-	1*	-	-	-	1*
Rate of Turn Indicator * required on vessels >50,000GT	1*	-	-	1*	-	-	-	1*

Equipment required 	Class of vessel							
	Class IX	Class IXA	Class X (<100)	Class X (≥100)	Class XI (<150)	Class XI (≥150 - ≤300)	Class XI (≥300 - ≤500)	Class XI (≥500)
Type of voyage [†] 	All	All	All	All	All	All	All	All
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	1*	-	-	1*	-	-	-	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	-	-	-	-	-	-	-	-
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	-	-	-	-	-	-	1*
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	-	-	-	-	-	-	1*	1*
Voyage data recorders * required on vessels >3000 GT, on international voyages	-	-	-	-	-	-	-	1*
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	-	-	-	-	-	-	1*

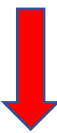

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short international voyages

Equipment required 	Class of vessel			
	Class XII (<150)	Class XII (≥150 - ≤300)	Class XII (≥300 - ≤500)	Class XII (≥500)
Type of voyage [†] 	All	All	All	All
Magnetic compass	1	1	1	1
Spare magnetic compass	-	-	-	-
Pelorus or compass bearing device	1	1	1	1
Nautical charts and nautical publications	1	1	1	1
Global Navigation Satellite System	1	1	1	1
Radar reflector * required on vessels <150 GT	1	-	-	-
Sound reception system on ship's where the bridge is totally enclosed	1	1	1	1
Means to communicate heading information to the emergency steering position	1	1	1	1
Daylight signalling lamp * required on vessels >100 GT	1*	1	1	1
Bridge Navigational Watch Alarm System	-	-	-	-
Depth sounding device	1	1	1	1
9 GHz Radar	1	1	1	1
Electronic plotting aid	1	1	1	1
Speed and distance measuring device (speed and distance through the water)	1	1	1	1
Transmitting heading device	1	1	1	1
Automatic Identification System	1	1	1	1
Gyro Compass * required on vessels >500 GT	-	-	-	1
Gyro Compass Bearing Repeater * required on vessels >500 GT	-	-	-	1
Rudder, Propeller, Thrust, Pitch and Operational Mode Indicators * required on vessels >500 GT	-	-	-	1
Automatic Tracking Aid * required on vessels >500 GT	-	-	-	1
3 GHz Radar * required on vessels >3000 GT	-	-	-	1*
Second Automatic Tracking Aid * required on vessels >3000 GT	-	-	-	1*
Automatic Radar Plotting Aid * required on vessels >10,000 GT	-	-	-	1*
Heading or Track Control System * required on vessels >10,000GT	-	-	-	1*
Rate of Turn Indicator * required on vessels >50,000GT	-	-	-	1*

Equipment required 	Class of vessel			
	Class XII (<150)	Class XII (≥150 - ≤300)	Class XII (≥300 - ≤500)	Class XII (≥500)
Type of voyage [†] 	All	All	All	All
Speed and Distance Measuring Device (over the ground in the forward and athwartships direction) * required on vessels >50,000GT	-	-	-	1*
Electronic Chart Display and Information System * required on passenger vessels >500 GT, on international voyages	-	-	-	-
Electronic Chart Display and Information System * required on all vessels, other than passenger vessels >3000 GT, on international voyages	-	-	-	1*
Long-Range Identification and Tracking * required on vessels >300GT, on international voyages, other than vessels that comply with Reg. 79H (2)	-	-	-	-
Voyage data recorders * required on vessels >3000 GT, on international voyages	-	-	-	-
Simplified voyage data recorder (S VDR) * vessels built before 1 July 2002 and >3000GT, may be fitted in lieu of an Voyage Data Recorder	-	-	-	-

† Type of voyage

1) All - any type of voyage

2) Local - Local voyages within the Republic

3) International - International voyages , including short international voyages