**From *Joint* *IMO/IHO/WHO Manual on Maritime Safety Information,* section 7: *Guidance and examples for navigational warnings by type of hazard*.**

1. **Casualties to lights, fog signals, buoys and other aids to navigation affecting main shipping lanes**

Standard remarks for LIGHTHOUSES, BEACONS, LIGHT SHIPS:

UNLIT, LIGHT UNRELIABLE, DAMAGED, DESTROYED, RACON INOPERATIVE, CHANGED *TO FLASH THREE 20 SECONDS 14 METRES 16 MILES*, TEMPORARILY CHANGED *TO QUICK YELLOW 12 MILES*, MOVED *0.3 MILES NORTH TO 63-14.8N 022-15.6E*, RE-ESTABLISHED, PERMANENTLY, DISCONTINUED, TEMPORARILY REMOVED.

Standard remarks for BUOYS, LANBYS, SUPERBUOYS:

UNLIT, LIGHT UNRELIABLE, DAMAGED, OFF STATION, MISSING, TEMPORARILY CHANGED, MOVED *0.3 MILES NORTH TO 63-14.8N 022-15.6E,* PERMANENTLY DISCONTINUED, TEMPORARILY REMOVED, RE-ESTABLISHED.

Unique Remarks for Category:

UNLIT, LIGHT, UNRELIABLE, DAMAGED, DESTROYED, RACON, INOPERATIVE, OFF, STATION, MISSING, CHANGED, TEMPORARILY, MOVED, RE-ESTABLISHED, PERMANENTLY, DISCONTINUED, REMOVED.

1. **The presence of dangerous wrecks in or near main shipping lanes and, if relevant, their marking.**

Standard remarks:

DANGEROUS WRECK REPORTED, DANGEROUS WRECK LOCATED.

Unique Remarks for Category:

DANGEROUS, WRECK, REPORTED, LOCATED.

1. **Establishment of major new aids to navigation or significant changes to existing ones, when such establishment or change might be misleading to shipping.**

Standard remarks:

ESTABLISHED, RE-ESTABLISHED.

Unique Remarks for Category:

ESTABLISHED, RE-ESTABLISHED.

1. **The presence of large unwieldy tows in congested waters.**

Standard remarks:

LENGTH OF TOW.

Unique Remarks for Category:

LENGTH, TOW.

1. **Drifting hazards (including derelict ships, ice, mines, containers, other large items etc.).**

Standard remarks:

REPORTED, ADRIFT, ADRIFT IN VICINITY.

Unique Remarks for Category:

REPORTED, ADRIFT, VICINITY.

1. **Areas where search and rescue (SAR) and anti-pollution operations are being carried out (for avoidance of such areas).**

Standard remarks:

SAR OPERATION, ANTIPOLLUTION OPERATIONS.

Unique Remarks for Category:

SAR, OPERATION, ANTIPOLLUTION.

1. **The presence of newly discovered rocks, shoals, reefs and wrecks likely to constitute a danger to shipping, and, if relevant, their marking.**

Standard remarks:

LOCATED, LESS WATER REPORTED, SIGNIFICANTLY LESS WATER THAN CHARTED REPORTED.

Unique Remarks for Category:

LOCATED, LESS, WATER, REPORTED, SIGNIFICANTLY, CHARTED.

1. **Unexpected alteration or suspension of established routes.**

Standard Remarks:

None

1. **Cable or pipe-laying activities, seismic survey, the towing of large submerged objects for research or exploration purposes, the employment of manned or unmanned submersibles, or other underwater operations constituting potential dangers in or near shipping lanes.**

Standard remarks:

CABLE LAYING OPERATIONS IN PROGRESS SEISMIC SURVEY IN PROGRESS, UNDERWATER OPERATIONS, SCIENTIFIC OPERATIONS IN PROGRESS.

Unique Remarks for Category:

CABLE, LAYING, OPERATIONS, PROGRESS, SEISMIC, SURVEY, UNDERWATER, SCIENTIFIC.

1. **The establishment of research or scientific instruments in or near shipping lanes.**

Standard Remarks:

None

1. **The establishment of offshore structures in or near shipping lanes.**

Standard Remarks:

None

1. **Significant malfunctioning of radio-navigation services and shore-based maritime safety information radio or satellite services.**

Standard remarks:

OFF AIR, UNSTABLE, REDUCED POWER, INOPERATIVE, UNUSABLE, DISCONTINUED.

Unique Remarks for Category:

OFF, AIR, UNSTABLE, REDUCED, POWER, INOPERATIVE, UNUSABLE, DISCONTINUED.

1. **Information concerning events which might affect the safety of shipping, sometimes over wide areas, e.g. naval exercises, missile firings, space missions, nuclear tests, ordnance dumping zones, etc.**

Standard Remarks:

None

1. **Operating anomalies identified within ECDIS including ENC issues.**

Standard Remarks:

None

1. **Acts of piracy and armed robbery against ships.**

Standard Remarks:

ACT OF PIRACY, ARMED ROBBERY.

Unique Remarks for Category:

ACT, PIRACY, ARMED, ROBBERY.

1. **Tsunamis and other natural phenomena, such as abnormal changes to sea level.**

Standard Remarks:

None

1. **World Health Organization (WHO) health advisory information**

Standard Remarks:

None

1. **Security-related requirements.**

Standard Remarks:

None

**Categories:**

1. **Casualties to lights, fog signals, buoys and other aids to navigation affecting main shipping lanes**
2. **The presence of dangerous wrecks in or near main shipping lanes and, if relevant, their marking.**
3. **Establishment of major new aids to navigation or significant changes to existing ones, when such establishment or change might be misleading to shipping.**
4. **The presence of large unwieldy tows in congested waters.**
5. **Drifting hazards (including derelict ships, ice, mines, containers, other large items etc.).**
6. **Areas where search and rescue (SAR) and anti-pollution operations are being carried out (for avoidance of such areas).**
7. **The presence of newly discovered rocks, shoals, reefs and wrecks likely to constitute a danger to shipping, and, if relevant, their marking.**
8. **Unexpected alteration or suspension of established routes.**
9. **Cable or pipe-laying activities, seismic survey, the towing of large submerged objects for research or exploration purposes, the employment of manned or unmanned submersibles, or other underwater operations constituting potential dangers in or near shipping lanes.**
10. **The establishment of research or scientific instruments in or near shipping lanes.**
11. **The establishment of offshore structures in or near shipping lanes.**
12. **Significant malfunctioning of radio-navigation services and shore-based maritime safety information radio or satellite services.**
13. **Information concerning events which might affect the safety of shipping, sometimes over wide areas, e.g. naval exercises, missile firings, space missions, nuclear tests, ordnance dumping zones, etc.**
14. **Operating anomalies identified within ECDIS including ENC issues.**
15. **Acts of piracy and armed robbery against ships.**
16. **Tsunamis and other natural phenomena, such as abnormal changes to sea level.**
17. **World Health Organization (WHO) health advisory information**
18. **Security-related requirements.**

Navigational changes – 1, 3, 8

Fixed (stationary) hazards – 2, 7

Dynamic (nonstationary) hazards – 4, 5, 16

Security / safety – 6, 13, 15, 17, 18

Scientific / commercial operations – 9, 10, 11

ICT-related warnings – 12, 14