# WWMWIS Committee revision of ocean model RSMC functions in GDPFS Manual (WMO No.485)

The following has been extracted from the Manual version Feb 2018.

### 2.2.1.7 Global numerical ocean prediction

Centres conducting global numerical ocean prediction shall:

(a) Prepare global analyses of oceanographic parameters;

(b) Prepare global forecast fields of basic and derived oceanographic parameters;

(c) Make available on WIS a range of these products; the list of mandatory and highly recommended products to be made available is given in Appendix 2.2.13;

(d) Prepare verification statistics and make them available on a website;

(e) Make available on a website up-to-date information on the characteristics of their global numerical ocean prediction systems; the minimum information to be provided is given in Appendix 2.2.14.

Note: The bodies in charge of managing the information contained in the present Manual related to global numerical ocean prediction are specified in Table 8.

Table 8. Bodies responsible for managing information related to global numerical ocean prediction

|  |  |  |  |
| --- | --- | --- | --- |
| Responsibility | | | |
| Changes to activity specification | | | |
| To be proposed by: | JCOMM/ETOOFS |  |  |
| To be recommended by: | CBS | JCOMM |  |
| To be decided by: | EC/Congress |  |  |
| Centres designation | | | |
| To be recommended by: | RA | CBS | JCOMM |
| To be decided by: | EC/Congress |  |  |
| Compliance | | | |
| To be monitored by: | JCOMM/ET-OOFS |  |  |
| To be reported to: | CBS | JCOMM |  |

Acronyms not previously defined: ET-OOFS – Expert Team on Operational Ocean Forecast Systems.

APPENDIX 2.2.13. MANDATORY AND HIGHLY RECOMMENDED GLOBAL NUMERICAL OCEAN PREDICTION PRODUCTS TO BE MADE AVAILABLE ON THE WMO INFORMATION SYSTEM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parameter | Level | Minimum resolution | Forecast range | Minimum time steps | Frequency |
| Sea-surface elevation | Surface | 0.5º x 0.5º | Up to 6 days | Every 24 hours | Once a day |
| SST | Surface (mixed layer) |
| Surface u, v | Surface |
| Sea-surface salinity | Surface |
| u, v | Depth to be determined |
| Temperature | 10/50/100/250/500 (m) |
| Mixed layer depth |  |

Additional highly recommended products:

– None.