

Extract relating to codes and format from WMO documents  
COMMISSION FOR BASIC SYSTEMS  
ABRIDGED FINAL REPORT  
OF THE  
TENTH SESSION  
Geneva, 2-13 November 1992

WMO - No. 784  
GENERAL SUMMARY OF THE WORK OF THE SESSION

6.4 WWW DATA MANAGEMENT (DM) (agenda item 6.4)

6.4.36 The Commission noted small modifications in order to report wave frequencies in FM 65-IX WAVEOB, to delay reporting of net short wave and direct solar radiation in FM 12-IX Ext. SYNOP, FM 13-IX Ext. SHIP, to include 925 hPa in Code table 1734, to add two new entries for radiosonde systems in Code table 3685 and for amendments to aeronautical codes arising from the final updates to ICA Annex 3 (WMO Technical Regulations, Volume II) for use as from 1 July 1993.

6.4.39 The Commission considered the implementation dates for the modifications recommended to codes, as referred to in paragraphs 6.4.43 through 6.4.48. The Commission, taking into account the time required for development of the corresponding necessary modifications in operational software, recommended 2 November 1994 as the date for implementation of the modifications, with the exception of two pressing changes, which the Commission recommended for 3 November 1993. The two exceptions related to:

- (a) Reporting of net short wave and direct solar radiation in FM 12-IX Ext. SYNOP and FM 13-IX Ext. SHIP (see paragraph 6.4.44), recommended by CBS-Ext. (90), but which were delayed because of confusion with other data groups; and
- (b) Reporting of winds derived from water vapour motion in FM 88-VI Ext. SATOB (see paragraph

6.4.47), which replaced the current ad hoc practice used to report these winds.

6.4.45 Noting the proposals made by the Commission for Marine Meteorology for modifications to the SHIP code, the Commission reviewed the proposed modifications and decided to maintain the present method of indicating the position of the ship (99L<sub>a</sub>L<sub>a</sub>L<sub>a</sub> Q<sub>c</sub>L<sub>o</sub>L<sub>o</sub>L<sub>o</sub>L<sub>o</sub>), but agreed to the following modifications to the SHIP code:

- (a) The addition of a group for reporting wet bulb temperature;
- (b) The mandatory reporting of all present weather, past weather, cloud, and wave groups; and
- (c) The indication for type of measurement of sea surface temperature.

Recommendation 9 (CBS-X), containing the amendments to FM 13-IX Ext. SHIP was adopted.

RECOMMENDATION 9 (CBS-X)  
PROPOSED AMENDMENTS TO FM 13-IX EXT. SHIP

THE COMMISSION FOR BASIC SYSTEMS,  
NOTING

- (1) Resolution 5 (CBS-IX) – Working Group on Data Management (DM),
- (2) The final report of the CMM Sub-group on Marine Climatology, sixth session, (Geneva, 6-10 April 1992) paragraph 7.4,

CONSIDERING that in the SHIP code there is a need to:

- (1) Add a group for reporting wet bulb temperature,
- (2) Systematically report present, past weather, temperature, clouds and waves,
- (3) Indicate the type of measurement of sea surface temperature,

RECOMMENDS that the proposed amendments to FM 13-IX Ext. SHIP, as given in the Annex to this recommendation, be adopted for use as from 2 November 1994;

REQUESTS the Secretary-General, to arrange for the inclusion of the amendments in Volume I of the Manual on Codes.

Annex to Recommendation 9 (CBS-X)  
Amendments to FM 13-IX EXT. SHIP

New Code form numbers: FM-13-X SHIP

Replace “0s<sub>n</sub>T<sub>w</sub>T<sub>w</sub>T<sub>w</sub>” in Code Form Section 2, by “0s<sub>s</sub>T<sub>w</sub>T<sub>w</sub>T<sub>w</sub>” and add a new group: “8s<sub>w</sub>T<sub>b</sub>T<sub>b</sub>T<sub>b</sub>”.

Replace (b) in Regulation 12.1.3.4, by:

(b)  $i_x$  shall be coded as 1 or 3 as the case may be.

Replace (b) in Regulation 12.1.3.5, by:

(b)  $i_x$  shall be coded as 1 or 3 as the case may be.

Add a NOTE in Regulation 12.2.6.2:

NOTE: All present weather and past weather including phenomena without significance observed at sea shall be reported in the SHIP message.

Add a NOTE in Regulation 12.2.7.1:

NOTE: All cloud observations at sea including no cloud observation shall be reported in the SHIP message.

Delete NOTE under (a) in regulation 12.3.3.4.

Delete regulation 12.3.3.5 and renumber 12.3.3.6 as 12.3.3.5.

Renumber regulations 12.3.6 to 12.3.6.8 as 12.3.7 to 12.3.7.8.

Insert new regulation 12.3.6:

12.3.6

Group  $8s_W T_b T_b T_b$

12.3.6.1

When the wet bulb is used to derive dew point value in a SHIP report, the group  $8s_W T_b T_b T_b$  shall be included to report the wet bulb temperature measurement.

Add the following specifications:

- $s_s$  Indicator for the sign and type of measurement of sea surface temperature. (Code table 3850)  
(FM 13-X)
- $s_w$  Indicator for the sign and type of wet bulb temperature reported. (Code table 3855)  
(FM 13-X)
- $T_b T_b T_b$  Wet bulb temperature, in tenths of a degree Celsius, its sign being given by  $s_w$ .  
(FM 13-X)

Add two new code tables:

3850

$s_s$	-	Indicator for sign and type of measurement of sea surface temperature	
Code figure		Sign	Type of measurement
0		Positive or 0	Intake
1		Negative	Intake
2		Positive or 0	Bucket
3		Negative	Bucket
4		Positive or 0	Hull contact sensor
5		Negative	Hull contact sensor
6		Positive or 0	Other
7		Negative	Other

3855

$s_w$	-	Indicator for the sign and type of wet bulb temperature reported	
0		Positive or zero measured wet bulb temperature	
1		Negative measured wet bulb temperature	

- 2 Ice bulb measured wet bulb temperature
- 3-4 Not used
- 5 Positive or zero computed wet bulb temperature
- 6 Negative computed wet bulb temperature
- 7 Ice bulb computed wet bulb temperature