

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.

6.4.38 The Commission recommended that, in order to avoid changes in operational software and systems during holidays periods or week-ends, the implementation date for modifications to existing codes or for new codes, be the first Wednesday following the first of November.

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.

6.4.44 The Commission reviewed and agreed on a proposed addition to the SYNOP and SHIP codes to finalize the procedure for reporting net short wave and direct solar radiation. Recommendation 8 (CBS-X), containing the amendments to FM 12-IX Ext. SYNOP and FM 13-IX Ext. SHIP, was adopted.

RECOMMENDATION 8 (CBS-X)
PROPOSED AMENDMENTS TO FM 12-IX EXT. SYNOP AND FM 13-IX EXT. SHIP

THE COMMISSION FOR BASIC SYSTEMS,
NOTING Resolution 5 (CBS-IX) – Working Group on Data Management (DM),

CONSIDERING that there is a need to finalize the procedure for reporting net short wave and direct solar radiation,

RECOMMENDS that the proposed amendments to FM 12-IX Ext. SYNOP and FM 13-IX Ext. SHIP, as given in the Annex to this recommendation, be adopted for use as from 3 November 1993;

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

Annex to Recommendation 8 (CBS-X)
Amendments to FM 12-IX EXT. SYNOP and FM 13-IX EXT. SHIP

New Code form numbers: FM 12-X SYNOP, FM-13-X SHIP (new text appears in bold)

Amend paragraph 12.4.7.1.1 to read:

12.4.7.1.1

When the group $5j_1j_2j_3j_4$ is used in the form $55j_2j_3j_4$, $553j_3j_4$, **$554j_3j_4$ or $555j_3j_4$** the supplementary group $j_5j_6j_7j_8j_9$ shall be added to report net solar radiation, global solar radiation, diffused solar radiation, long-wave radiation, short-wave radiation, net short-wave radiation or direct solar radiation if data available. The group shall be repeated as $55///$, **$553//$, 55407 , 55408 , 55507 or 55508** whenever the group $j_5j_6j_7j_8j_9$ is required to report radiation data.

Insert new specifications in regulation 12.4.7.1.2 as follows:

(e) 55407

to indicate that the supplementary group 4FFFF, which follows immediately, is used to report net short-wave radiation during the preceding hour, in kJ m^{-2} ;

(f) 55408

to indicate that the supplementary group 4FFFF, which follows immediately, is used to report direct solar radiation during the preceding hour, in kJ m^{-2} ;

(g) 55507

to indicate that the supplementary group $5F_{24}F_{24}F_{24}F_{24}$, which follows immediately, is used to report net short-wave radiation during the preceding 24 hours, in J cm^{-2} ;

(h) 55508

to indicate that the supplementary group $5F_{24}F_{24}F_{24}F_{24}$, which follows immediately, is used to report direct solar radiation during the preceding 24 hours, in J cm^{-2} ;

Renumber present 12.4.7.1.2 (e) through (h) as (i) through (l).

Change NOTE following 12.4.7.4.3 to read:

NOTE: For reporting net short-wave and direct solar radiation during the preceding hour, see 12.4.7.1.2 (e) and 12.4.7.1.2 (f), respectively.

Change NOTE following 12.4.7.4.4 to read:

NOTE: For reporting net short-wave and direct solar radiation during the preceding 24 hours, see 12.4.7.1.2 (g) and 12.4.7.1.2 (h), respectively.

Modify code table 2061 to read:

J₁ - J₅J₆J₇J₈J₉

- j_1 - Supplementary information indicator
 $j_2j_3j_4$ - Specifications relating to supplementary information
 $j_5j_6j_7j_8j_9$ - Supplementary group which follows $5j_1j_2j_3j_4$

(a)

[table to be inserted]

(b)

[table to be inserted]