F - France

NOTES

METEO - Stations transmitting regular meteorological bulletins

BM1 **General notes:**

1. Storm warnings, weather bulletins, navigational warnings and fog warnings –MSI– are announced by "Centres Régionaux Opérationnels de Surveillance et du Sauvetage (CROSS)" on 2182 kHz or 156.80 MHz indicating the working frequency to be used for the broadcast.

   All products broadcast by CROSS originate from "Météo France". There are regular meteorological bulletins and special high winds bulletins (**BM**S).

2. A number of items of meteorological information are announced by telephone answering machine, fax server, Minitel or Internet.

   Requests for information concerning these products should be addressed to:

   Météo-France – Direction commerciale et de la communication – Produit «marine»
   1, quai Branly – 75340 Paris Cedex 07
   Tel: +33 1 45 56 74 36
   Fax: +33 1 45 56 71 70
   Internet: www.meteo.fr
   E-mail: marine@meteo.fr

BM2 SUP

BM3 SUP

BM4 SUP

BM5 SUP

NOTICE NAV - Stations transmitting notices to navigators

General note:

Regulations concerning the transmission of urgent notices to navigators by French coast stations

1. Nature of AVURNAVs

Unforeseen events affecting safety at sea, such as indicated hereafter, are considered as urgent and are transmitted by radio as AVURNAV:

a) generally speaking, any anomalies in navigational aids to landing, especially aids to landings at night and in the fog;

b) in particular:

- **the shifting of a lightship or luminous buoy,**
- **the extinction of, or abnormality in, a landing or marker light,**
- **the stoppage of, or abnormality in, a radiobeacon or a fog signal;**

c) the presence of a drifting wreck or floating mine, the approach of ice or of a storm;

d) the forced landing at sea of an aircraft, to be brought to the notice of ships at sea;

e) the discovery of shallows or of obstructions in a fairway;

f) accidental anomalies in the operation of piloting services or in the running of ports, affecting the safety of shipping.

Note: The broadcast of AVURNAVs does not take the place of the weekly publication "Avis aux navigateurs" (Notices to navigators) at present in force, and in consequence AVURNAVs sent out by the coast stations will also be included in the printed "Avis aux navigateurs" whenever the emergency is of sufficient duration to justify such publication.

2. Form of AVURNAVs

The text of the warning in French plain language is preceded by: TTT AVURNAV (origin) or SÉCURITÉ AVURNAV (origin) according to whether radiotelegraphy or radiotelephony is used.

Approximate geographical positions are expressed in latitude and longitude (International meridian) in the form of three groups.

The first group is composed of four figures giving the degrees and minutes of latitude.

The second group is composed of four or five figures giving the degrees and minutes of longitude. If the number of degrees and minutes is less than 10, the "tens" figure is signalled as 0.

The third group is composed of two letters, indicating first the direction of latitude (N or S), second the direction of longitude (E or W).

Example:

TTT AVURNAV Brest no 19 Epave flottante dangereuse 4840 0805 NW 2220/10/2 means:

Brest signals a dangerous floating wreck at 48° 40′ N and 8° 05′ W (Greenwich) at 2220 h on February 10 (Brest, 19th notice since 1 January).

When it is necessary to specify that the position is exact, it will be given by bearing (0° to 360°) and distance (in miles and tenths of miles) to an accurately determined point.

Example:

SÉCURITÉ AVURNAV Toulon no 5 Avion amerri dans le 160 à 15.3 milles du cap Sicié 1530/24/1.

(Translation: Aircraft alighting in the sea bearing 160° at 15.3 miles from Cape Sicié.)

3. Transmission period of AVURNAVs

The AVURNAVs are transmitted:

– on receipt, or at the end of the current silence period at the time of reception,

– at the end of the first silence period following receipt and falling within the hours of service for ships of the third category of the zone where the station is situated (ships performing an eight-hour watch),

– in any case, at the hours indicated in column 5 of the particulars, the length of the broadcast depending on the contents of the AVURNAV.

Each station, after a preliminary call on 500 kHz or on 2182 kHz, transmits the AVURNAV on the working frequency indicated in column 3, or in radiotelephony on the frequency stated in the call.

4. Co-operation of ships and aircraft at sea

The commanding officer of any ship or aircraft finding himself in the vicinity of an immediate danger to shipping is bound to notify it, by every means of communication at his disposal, to ships in the vicinity, and also to the competent authorities at the first point of the coast with which he is able to communicate (pilotage, port maritime services, aeronautical services at aerodromes, the senior naval officer, headquarters of the maritime region, administration for conscription for the Navy).

When he can contact by radio a coast station of France, of French Overseas Departments and of French Overseas Territories, he sends an AVURNAV to the port-admiral or to the senior naval officer of the affected zone.

The notice should be preceded by the safety signal "TTT" or "SÉCURITÉ", transmitted three times, according to whether radiotelegraphy or radiotelephony is used. It should contain the name of the ship or aircraft and that of the company to which the ship or aircraft belongs.

UTC - Stations transmitting radio time signals

HR1 This frequency is accurate to within $\pm 2.10^{-12}$ in Coordinated Universal Time.

HR2 Geographical co-ordinates:

2° 12′ E 47° 10′ N.

HR3 The time code is given by modulation of the carrier phase by + and –1 radian in 0.1 s every second except the 59th second of each minute. This modulation is doubled to indicate a "binary 1".

The numbers of the minute, hour, day of the month, day of the week, month, and year are transmitted each minute from the 21st to the 58th second in accordance with the French legal time scale. In addition, a "binary 1" at the 17th second gives a 2-hour advance of legal time over UTC (Summer time), a "binary 1" at the 18th second gives a 1 hour advance of legal time over UTC (Winter time), a "binary 1" at the 14th second denotes a holiday (Christmas, national holiday, etc.) and a "binary 1" at the 13th second denotes a day preceding such a holiday.

Further information concerning these transmissions may be obtained from: Centre National d'Etudes des Télécommunications – PAB/STC – Département FRE, 3 avenue de la République, 92131 Issy-les-Moulineaux (France).

CES-CP - Systems in the maritime mobile-satellite service that provide a public correspondence service

CS1 Coast earth station providing Inmarsat services covering the Atlantic Ocean East Region and the Indian Ocean Region.

CS2 SUP

CS3 SUP

CS4 **Inmarsat–C**

Charges applicable in the maritime mobile-satellite service (via AUSSAGUEL coast earth station).

A. Telex, facsimile and data transmission (minimum 1 second)

1. Mobile-to-shore

Destinations	SDR/256 bits	
	First message	Following message***
F, MCO	0.19	0.065
GLP, GUF, MRT, REU	0.19	0.065
ADL, AMS, CRO, KER, NCL, OCE, WAL	0.19	0.065
Zone 1**	0.19	0.065
Zone 2**	0.19	0.065
Zone 3**	0.21	0.065
Zone 4**	0.21	0.065
Zone 5**	0.21	0.065

2. Shore-to-mobile
   a) For telex subscribers*
   b) For registered users (Minitel, telephone network, X25 or telex)*

B. Subscription

1. Registration charge*
2. Two-monthly charge for access to network*

CS5 SUP

CS6 Additional information can be obtained by dialling the freephone service (international: +33 56 22 32 31).

Inmarsat mobiles benefit from a free of charge commercial assistance service by dialling the two-digit code 68.

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* See note 6.
** See note 7.
*** Charge per message in a multiple address operation; the first message is charged as a normal message.

CS7 Composition of destination zones for communications via a station of Metropolitan France.

A. Telex

Charge	Destination zones
1	ALB, ALG, AND, ARM, AUT, AZE, AZR, BEL, BIH, BLR, BUL, CVA, CYP, CZE, D, DNK, E, EST, FIN, FRO, G, GEO, GIB, GRC, GRL, HNG, HOL, HRV, I, IRL, ISL, KAZ, KGZ, LBY, LIE, LTU, LUX, LVA, MDR, MKD, MNE, MRC, NOR, POL, POR, ROU, RUS, S, SMR, SRB, SVK, SVN, SUI, Tatarstan, TJK, TKM, TUN, TUR, UKR, UZB
2	CAN, USA
3	ALS, AUS, BEN, BFA, CAF, CME, COD, COG, COM, CTI, DJI, GAB, GNE, GUI, ISR, JOR, LBN, MDG, MLI, MTN, NGR, RRW, SEN, SYR, TCH, TGO, VUT
4	AFS, B, CLM, HKG, IND, J, NZL, SNG, Taiwan (Province of China), VEN
5	ABW, AGL, AIA, ARG, ARS, ASC, ATG, ATN, BAH, BDI, BER, BGD, BHR, BLZ, BOL, BOT, BRB, BRM, BRU, BTN, CBG, CHL, CHN, CHR, CKH, CLN, CPV, CTR, CUB, CYM, DMA, DOM, EGY, EQA, ERI, ETH, FJI, FLK, GHA, GMB, GNB, GRD, GTM, GUY, HND, HTI, HWA, INS, IRN, IRQ, JMC, KEN, KIR, KNA, KOR, KRE, KWT, LAO, LBR, LCA, LSO, MAC, MAU, MDA, MEX, MLA, MLD, MNG, MOZ, MSR, MWI, NCG, NFK, NIG, NMB, NPL, NRU, OMA, PAK, PHL, PLW, PNG, PNR, PRG, PRU, PTR, QAT, Saipan (Islands), SDN, SEY, SHN, SLM, SLV, SMA, SMO, SOM, SRL, STP, SUR, SWZ, TCA, THA, TON, TRD, TUV, TZA, UAE, UGA, URG, VCT, VIR, VRG, VTN, YEM, ZMB, ZWE

B. Telephone, facsimile and data transmission

Charge band	Destination zones
A	AND, AZR, BEL, CVA, D, DNK, E, FRO, G, GRC, HOL, I, IRL, LIE, LUX, MDR, POR, SMR, SUI
B	ALB, ALG, AUT, BIH, BUL, CAN, CYP, CZE, FIN, GEO, GIB, GRL, HNG, HRV, ISL, KGZ, LBY, MKD, MNE, MRC, NOR, POL, ROU, RUS, S, SRB, SVK, SVN, TJK, TKM, TUN, TUR, USA
C	AZE, BLR, EST, LTU, LVA, MDA, Tatarstan, UKR
D	ABW, AFS, AGL, AIA, ALS, ARG, ARM, ARS, ASC, ATG, ATN, AUS, B, BAH, BDI, BEN, BER, BFA, BGD, BHR, BLZ, BOL, BOT, BRB, BRM, BRU, BTN, CAF, CBG, CHL, CHN, CHR, CKH, CLM, CLN, CME, COD, COG, COM, CPV, CTI, CTR, CUB, CYM, DJI, DMA, DOM, EGY, EQA, ERI, ETH, FJI, FLK, GAB, GHA, GMB, GNB, GNE, GRD, GTM, GUI, GUY, HKG, HND, HTI, HWA, IND, INS, IRN, IRQ, ISR, J, JMC, JOR, KAZ, KEN, KIR, KNA, KOR, KRE, KWT, LAO, LBN, LBR, LCA, LSO, MAC, MAU, MDG, MEX, MLA, MLD, MLI, MNG, MOZ, MSR, MTN, MWI, NCG, NFK, NGR, NIG, NMB, NPL, NRU, NZL, OMA, PAK, PHL, PLW, PNG, PNR, PRG, PRU, PTR, QAT, RRW, Saipan (Islands), SDN, SEN, SEY, SHN, SLM, SLV, SMA, SMO, SNG, SOM, SRL, STP, SUR, SWZ, SYR, Taiwan (Province of China), TCA, TCD, TGO, THA, TON, TRD, TUV, TZA, UAE, UGA, URG, UZB, VCT, VEN, VIR, VRG, VTN, VUT, YEM, ZMB, ZWE