

MED- ADVICE - Stations transmitting medical advice

- MD1** British Telecom International station.
- MD2** For the radiotelephone service.
- MD3** Medical advice can be obtained from the station by addressing a radiotelegram to the station, which will communicate the message to the appropriate medical authority, and transmit the reply to the ship.
- If a doctor from shore is wanted, the request for such assistance should be addressed as a radiotelegram to the medical officer of the most convenient port.
- In both cases the messages exchanged will be free of charge.
- MD4** Beamed towards the Isles of Scilly.
- MD5** Address: MEDICO PORTISHEAD RADIO.
- MD6** Auto telex service: For medical advice, use access code MED +.

METEO - Stations transmitting regular meteorological bulletins

- BM1** Ships at sea can obtain the following information making a radiotelephone call to the Meteorological Office.
- Information required**
- Weather forecasts for any specified period up to 24 hours from the time of issue, accompanied when requested by an outlook for a further 24 hours, may be obtained from the Meteorological Office, on request, at any time of the day or night, for areas within the region contained between the parallels of 65° N and 35° N, and between the meridian of 40° W and the coasts of the continent of Europe.
- The cost of this service is the cost of the radiotelephone call.
- BM2** Controlled from Stonehaven Radio.
- BM3** Gale warnings, transmitted on the station's working frequency (F3E, J3E) following a preliminary announcement on 2182 kHz (H3E) and/or 156.80 MHz (F3E), at the end of the first silence period after receipt and at the next one of the times shown in column 5, or if the first transmission is on a scheduled time the warning is repeated at the end of the next silence period.
- BM4** Controlled from Land's End Radio.
- BM5** Weather bulletins, transmitted on the station's working frequency, following a preliminary announcement on 2182 kHz and/or 156.80 MHz.

- BM6** Transmits Atlantic weather bulletin at 0930 and 2130 h. An encoded synopsis is transmitted at 1130 h. Storm warnings are transmitted, once only, at the first of the following times after receipt: 0130, 0530, 0730, 0930, 1130, 1330, 1730, 2130 h. Frequencies are selected from the following, according to time and season:
- | | | |
|------|---------|-----|
| GKA2 | 4286 | kHz |
| GKA3 | 6368.9 | kHz |
| GKA4 | 8545.9 | kHz |
| GKA5 | 12822 | kHz |
| GKA6 | 17098.4 | kHz |
| GKA7 | 22467 | kHz |
- BM7** Controlled from Ilfracombe Radio.
- BM8** An Atlantic Weather Routing service is available from the Meteorological Office, Bracknell. Details of this routing service, which is available by prior arrangement only, can be obtained by writing to: The Director-General, Meteorological Office (Met 01), Eastern Road, Bracknell, Berkshire RG12 2UR, U.K.
- BM9** Transmits continuously from 0000 to 2359 h.
- BM10** Winter: 0555, 1355, 1750 and 0033 h (UTC);
Summer: 0455, 1255, 1650 and 2333 h (UTC).
- BM11** Meteorological Office weather forecasts for land areas and warnings of persistent fog, snow, frost, rapid thaw, etc., are given in these bulletins.
- BM12** Controlled from Cullercoats Radio.
- BM13** Open according to time and season.
- BM14** Beamed towards the Isles of Scilly.
- BM15** After preliminary announcement on 2182 kHz (H3E).
- BM16** Bulletins are transmitted continuously.
- BM17** Transmissions also made on this frequency after preliminary announcement on 156.80 MHz.
- BM18** F.S.K. modulation. Deviation 400 Hz. Negative shift for picture black.
- BM19** Broadcasting station.
- BM20** Controlled from Humber Radio.
- BM21** Controlled from North Foreland Radio.
- BM22** Controlled from Portpatrick Radio.
- BM23** Controlled from Wick Radio.
- BM24** Gale warnings are transmitted by Jersey Radio on the station working frequencies upon receipt, at the end of the next silence period and at 0307, 0907, 1507 and 2107 h, after preliminary announcement on 2182 kHz and 156.80 MHz.
- BM25** Facsimile transmission.
- BM26** Regional and sub-regional radioteleprinter transmission.

NOTICE NAV - Stations transmitting notices to navigators

- NA1** Transmits warnings concerning seamarks and dangers in the River Humber and the middle portion of the North Sea.
- NA2** After preliminary announcement on 2182 kHz.
- NA3** Transmits warnings concerning seamarks and dangers in the southern part of the Irish Sea, the Bristol Channel and western portion of the English Channel, and the approaches thereto.
- NA4** Transmits warnings concerning seamarks and dangers in the central and eastern portions of the English Channel and the Straits of Dover.
- NA5** Transmits warnings concerning the southern part of the North Sea, the Thames Estuary and the Straits of Dover.
- NA6** Transmits warnings concerning seamarks and dangers in the Firth of Clyde and Irish Sea.
- NA7** "Meteorological Office" storm/gale warnings are transmitted:
in winter at: 0033, 0555, 1355 and 1750 h;
in summer at: 2333, 0455, 1255 and 1650 h;
and on receipt.
- NA8** Transmits warnings concerning seamarks and dangers in the northern part of the North Sea and along the East, North, and North-West coasts of Scotland, including the Orkneys and Shetlands, and approaches thereto.
- NA9** Transmission of NAVAREA I warnings (see Annex: NAVAREA warnings).
- NA10** Every 4 hours commencing at 0233 h.
- NA11** Broadcasting station.
- NA12** Navigational warnings are transmitted on the station's working frequency following a preliminary announcement on 2182 kHz.
The preliminary announcement and transmission will be preceded by the safety signal "SÉCURITÉ".
Warnings are not normally transmitted on receipt at the station. Except in cases of urgency, they are not transmitted at the first and third routine times shown in column 5 of the particulars. In winter, transmissions referring to lights extinguished or out of order will be made, where possible, not later than the third routine time.
- NA13** Decca navigator fault warnings are transmitted on the station's working frequency, following a preliminary announcement on 2182 kHz.
The preliminary announcement and transmission will be preceded by the safety signal "SÉCURITÉ".
Decca warnings are transmitted according to stations navigational warning schedule.
- NA14** Navigational warnings are transmitted on the station working frequencies following preliminary announcement on 2182 kHz and 156.80 MHz. The preliminary announcement and transmission will be preceded by the safety signal "SÉCURITÉ". Transmissions are made on receipt and at the times shown in column 5 of the particulars.
- NA15** Transmits navigational warnings on frequencies selected from the list according to time and season at 1730 h and at other times indicated if necessary.
- NA16** Whenever the need arises, transmits advice to all ships in or entering the Port of London area.
- NA17** Navigational warnings are also transmitted at weather transmission times (0645, 0745, 1245, 1845 and 2245 h).
- NA18** Vessels participating in the Atlantic Weather Routing Service from the Meteorological Office in Bracknell, should monitor normal traffic lists from Portishead Radio.
- NA19** Every 4 hours commencing at 0033 h.

UTC - Stations transmitting radio time signals

HR1 On the frequency 60 kHz (A1A):

- second pulses (carrier interruption) of 100 ms duration,
- minute pulses (carrier interruption) of 500 ms duration.

Continuously throughout the 24 hours except from 1000 to 1400 UTC on first Tuesday of each month.

HR2 The carrier frequency and second pulses are accurate to ± 3 parts in 10^{-12} (relative to the unit of the UTC time scale).

HR3 Adjustment of time signals and the DUT1 code.

In accordance with ITU-R Recommendations, the G.M.T. signals transmitted from Anthorn are maintained closely in agreement with the Coordinated Universal Time (UTC) scale as realised by the International Time Bureau (BIH). The difference between the transmitted signals and the reference scale does not exceed 0.1 ms. For those requiring access to astronomical time (UT1) provision is made for giving the internationally agreed time difference DUT1 where $DUT1 = UT1 - UTC$ (to an unit of 0.1 s) by means of a code of double pulses. As adopted for MSF and GBR, double pulses at seconds 1 to 8 indicate positive values of DUT1 extending from + 0.1 to + 0.8 s; double pulses at seconds 9 to 16 indicate negative values of DUT1 ranging from – 0.1 to – 0.8 s. The absence of double pulses indicates that DUT1 has a zero value.

To ensure that the departure between UTC and UT1 does not exceed ± 0.9 s, provision has been made to maintain this relativity by means of step adjustments to the signal of exactly one second. These adjustments, which are known as “leap seconds”, will normally be effected at 2400 h on 30 June or 31 December.

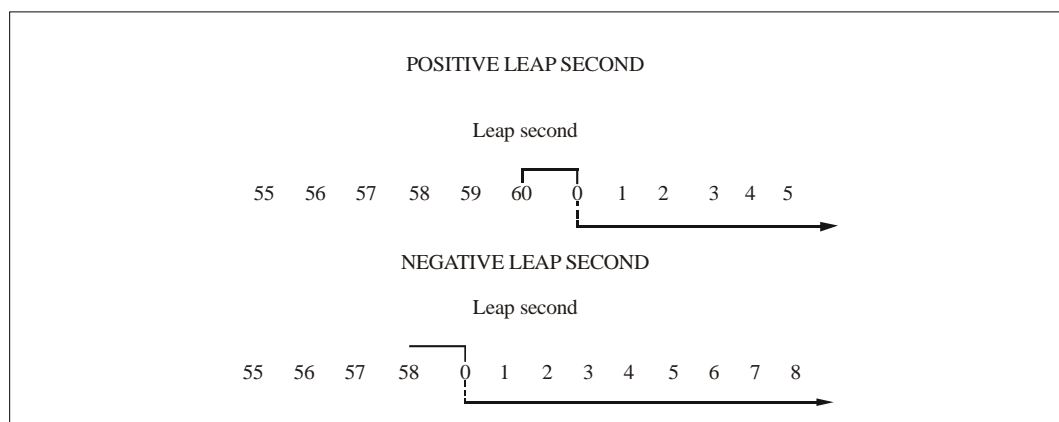
A positive leap second begins at 23 h 59m 60s and ends one second later at 0 h 0m 0s of the first day of the following month.

In the case of a negative leap second, 23 h 59m 58s will be followed one second later by 0 h 0m 0s of the first day of the following month.

It will be evident that following the introduction of a leap second there will be a change in magnitude and sign of the DUT1 correction.

The MSF 60 kHz transmissions are monitored by the NPL at Teddington. Results giving phase and frequency values in terms of the respective time scales, UTC (NPL) and UTC (RGO), are published monthly and also distributed to users by direct circulation.

LEAP SECOND DIAGRAM



07d10

HR4 A service of time signal transmissions is radiated from the British Telecom International radio station Anthorn to meet the needs for time reference of a wide class of users in industrial, government, defence and educational establishments and for general scientific and navigational purposes.

A continuous service is provided by station MSF operated by British Telecom International on behalf of the National Physical Laboratory (NPL). Time signals are transmitted on the carrier frequency 60 kHz, the frequency being maintained within the ± 3 parts in 10^{12} of nominal as determined by the NPL standard.

MSF 60 kHz Programme: The time signals take the form of carrier interruptions lasting 100 milliseconds at each second and lengthened to 500 ms at each minute. There is a BCD NRZ code, 100 bit/s (hour, minute, day of month, month) during the minute interruption, and a BCD PWM code, 1 bit/s (year, month, day of week, hour, minute) from seconds 17 to 59 in each minute.

CP - Coast stations providing a public correspondence service

General Information.

The use of radio apparatus by ships in the harbours and estuaries of the United Kingdom is restricted to the exchange of communications through the nearest British coast station. Ship stations may, however, exchange traffic in connection with port operations on VHF.

NOTES.

CP1 Station under the direction of: States of Jersey, Harbours and Airport Department.

CP2 Available for radiotelephone link calls by charge card and for emergency purposes.

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

The following information has been replicated from the previous edition as no amendments were communicated by this administration.

CS1 Accounting authority: British Telecommunications Plc, PP300, Barbican Computer Centre, 26/28 Glasshouse Yard, London EC1A 4JY (United Kingdom).

CS2 Coast earth station operated by British Telecommunications Plc as part of the Inmarsat system covering the Atlantic Ocean Regions.

CS3 Offers telephone, telex, data transmission, facsimile, telegram and packet switching services to destinations world-wide. Messages concerning medical consultations, notices to mariners and meteorological bulletins are free of charge. Use Inmarsat operating procedures for these services.

CS4 For Inmarsat automatic telephone service to shore based stations select the coast earth station identification code 02 then:

- 00 (for automatic operation),
- telephone country code,
- area code if required,
- subscriber's telephone number,
- end of signal (signal #).

CS5 For Inmarsat automatic telex service to shore based stations select the coast earth station identification code 02 then:

- 00 (for automatic operation),
- telex country code,
- subscriber's telex number,
- end of signal (signal #).

CS6 Charges applicable to the maritime mobile-satellite service (via GOONHILLY coast earth station).

1. Inmarsat-B

1.1 Telephone (ship-to-shore)

Land station charge + landline charge

Automatic operation (minimum 6 seconds).

Manual operation (minimum 1 min.).

United Kingdom, Channel Islands, Isle of Man and Ireland:

- a) Full rate (0531 – 1930 h UTC): 3.10 SDR/min.
- b) Reduced rate (1931 – 0530 h UTC): 2.80 SDR/min. (automatic only).

1.2 Telex (ship-to-shore)

Land station charge + landline charge

Automatic operation only (minimum 6 seconds).

United Kingdom, Channel Islands, Isle of Man and Ireland: 2.28 SDR/min.

2. Inmarsat-C

2.1 Telex (ship-to-shore)

Land station charge + landline charge

Automatic operation only (minimum 256 bits).

United Kingdom, Channel Islands, Isle of Man and Ireland: 0.17 SDR/256 bits.

3. Inmarsat-M

3.1 Telephone (ship-to-shore)

Land station charge + landline charge

Automatic operation (minimum 6 seconds).

Manual operation (minimum 1 min.).

United Kingdom, Channel Islands, Isle of Man and Ireland:

- a) Full rate (0531 – 1930 h UTC): 2.95 SDR/min.
- b) Reduced rate (1931 – 0530 h UTC): 2.60 SDR/min. (automatic only).

4. Other countries: details of charges may be obtained between 0900 – 1700 h (local time) from numbers as follows:

TF: +44 171 492 4996

FAX: +44 171 606 4640

TLX: 916554 BTIMT G

NAVAREA - Navarea coordinators

NAVAREA I

NV1 Baltic Sea Sub-Area:

Coordinator
Sjöfartsverket
Sjökartedivisionen
S-601 78 NORRKÖPING SWEDEN
Tel: (011) 128897 (24 h)
(011) 191000X1042
(0700-1500 h UTC)
Tlx: 64320 BALTICO S
(0700-1500 h UTC)
71087 RCCNRTH S
(1500-0700 h UTC)

NV2 Frequencies

Frequencies will be chosen according to propagation conditions.

NV3 Schedules

Main transmissions: 0730 and 1730 h.
Repeat transmissions: 1330 h.
Summary transmissions: Sundays at 1330 h.

NV4 Warning broadcasts

Warnings are broadcast on the first two main schedules after receipt and thereafter at repeat schedules on 2nd, 5th, 8th, 12th, 16th, 20th and 24th days counting day of second main broadcast as first day.

Thereafter warnings will be repeated at summary transmissions on Sundays from day 24th up to and including day 42nd. Also a bulletin will be broadcast at this time giving the numbers of in force warnings issued during the past 6 weeks.

NV5 Additional information

Power: 5-12 kW.

AAIC - Charges and accounting authorities

The following information has been replicated from the previous edition as no amendments were communicated by this administration.

H2

Radiotelephone calls (minimum 3 min.)

1. Land station charge

VHF:

a) British Isles: 9.– fr./min.

b) Others countries: 15.– fr./min.

2. Landline charge: the landline charge is included in the land station charge.
