

## Appendix D

### Two-digit code services (telex and telephone) and fault codes

The following tables list the two-digit access codes which are available via the Inmarsat network and are supported by individual land earth station operators (LESOs).

**Table D-1: Two-digit access codes for telex services (Inmarsat-A, B and C only)**

**Table D-2: Inmarsat-A and B telex fault codes**

**Table D-3: Inmarsat-C non-delivery notification (NDN) failure codes**

**Table D-4: Two-digit access codes for telephone services**

Two-digit code	Service	Remarks
00	Automatic	Use this code to make automatic telex calls using the international telex country codes given in Appendix G.
11	International operator	Use this code to obtain information from the international operator about the country where the service provider is located.
12	International information	Use this code to obtain information about a subscriber in a country other than that where the service provider is located.
13	National operator	Use this code to obtain assistance to connect to a subscriber in a country where the service provider is. In any country which does not have an international operator, use this code instead of Code 11.
14	National information	Use this code to obtain information about subscribers in the country where the service provider is located.
15	Radio-telegram service	This code will connect the caller to the radio-telegram service position for the transmission of radio-telegrams originated via telex.
17	Telephone call booking	This code may be used via some LESOs to book telephone calls.
21	Store-and-forward (international)	This code is used to gain access to a store-and-forward unit (SFU) for international calls.
22	Store-and-forward (national)	This code is used to gain access to a store-and-forward unit (SFU) for national calls.
24	Telex letter service	This code is used for directly transmitting a message originated from an MES to a selected telegraph office for delivery by mail or other appropriate means (Inmarsat-C only).
31	Maritime enquiries	This code may be used for special enquiries such as ship location, authorisation, etc.

**Table D-1- Two-digit access codes for telex services (Inmarsat-A, B and C only)**

Two-digit code	Service	Remarks
32	Medical advice	Use this code to obtain medical advice. Some LESOs have direct connections with local hospitals for use with this code.
33	Technical assistance	Use this code if you are having technical problems with your Inmarsat-A terminal. Technical staff at the LESO are normally able to assist you.
36	Credit card call	Use this code to charge a telex call to a credit or charge card.
37	Time and duration	This code should be used at the start of a call instead of the code 00 for an automatic call. This service will enable the Inmarsat-A MES operator to be advised of the time and duration of the call being set up. This is normally a short telex message at the end of the connection, giving the time and duration of the call. Normally the MES operator terminates the telex call by using five full stops (.....). The time and duration of the call will be automatically returned.
38	Medical assistance	This code should be used if the condition of an ill or injured person aboard the vessel requires urgent evacuation ashore or the services of a doctor aboard the vessel. This code ensures the call is routed to the appropriate agency or authority ashore to deal with the situation.
39	Maritime assistance	This code should be used to obtain maritime assistance if the vessel requires assistance or towing or has encountered oil pollution, etc.
41	Meteorological reports	This code should be used by weather-observing vessels to send their observations. In most cases where this service is available the service is free of charge to the vessel, with the National Weather Authority paying the relevant charges.
42	Navigational hazards and warnings	This code provides a connection to a navigational office to transmit information from the vessel about any hazards which could endanger the safety of navigation, such as wrecks, derelicts, floating obstructions, defective radio beacons or light vessels, icebergs and floating mines.
43	Ship position reports	This code provides a connection to an appropriate national or international centre which is collecting ship movement information for search and rescue (or other) purposes, e.g. AMVER or AUSREP, etc.
51	Meteorological forecasts	This code is used for the retrieval of meteorological forecasts.
52	Navigational warnings	This code is used for the retrieval of navigational warnings.

**Table D-1** (contd.) - Two-digit access codes for telex services

Two-digit code	Service	Remarks
6(x)	Administration specialised use	For use by administrations for specialised use. Often used for leased lines, etc. The 'x' digit following the 6 is allocated on a national basis and is not usually given to the same service or leased line for more than one LESO.
70	Databases	This code is normally used by a LESO to allow automatic access to its information retrieval database.
91	Automatic line test	This code should be used to obtain a telex receiver check. The LESO usually transmits the following: <b>THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG1234567890</b>
92	Commissioning tests	This code should be used when a vessel is ready to commence its Inmarsat-A commissioning tests. The code should be used for this purpose only, and then solely via the LESO through which the commissioning has been arranged.

**Table D-1** (contd.) **Two-digit access codes for telex services**

### Table D-2 Inmarsat-A and B telex fault codes

If a problem exists on the international telex network, after you have sent a telex using your Inmarsat-A or Inmarsat-B MES you may receive one of the following telex fault codes. These are allocated by the CCITT (Recommendation F131) and are internationally recognised.

Fault code	Description
<b>ABS</b>	Absent subscriber - this code is returned by the land-based telex network when the called subscriber's telex terminal is either switched off or is faulty.
<b>DER</b>	Out of order - this code is returned when the path to the called telex terminal is faulty, and the called tele-printer fails to respond to WRU signals.
<b>NC</b>	No circuits - this code is used when congestion occurs in the land-based network or switching circuits.
<b>NP</b>	No party - the called party is no longer a telex subscriber (used when an invalid subscriber number is called).
<b>NA</b>	Correspondence with this subscriber is not permitted - used if an unauthorised group call is attempted.
<b>OCC</b>	Subscriber engaged.

**Table D-3 Inmarsat-C non-delivery notification (NDN)  
failure codes**

Listed below is a selection of non-delivery notification (NDN) codes used by some Inmarsat-C LESOs. In addition to, or instead of, these codes, some LESOs may use their own codes or messages. To find out the particular NDN codes/messages used by a specific LESO, and their meanings, contact the LESO directly at its number given in Appendix E.

<b>NDN code</b>	<b>Meaning</b>
<b>ABS</b>	Absent subscriber. The mobile terminal is not logged in to the ocean region.
<b>ACB</b>	Access barred.
<b>ADR</b>	Addressee refuses to accept message.
<b>ANU</b>	Deleted. The message has not been delivered within an hour and is therefore deleted.
<b>ATD</b>	Attempting to deliver the message.
<b>BK</b>	Message aborted. Is used when a fax or PSTN-connection is cleared abnormally.
<b>BUS</b>	Busy.
<b>CCD</b>	Call cut or disconnected.
<b>CI</b>	Conversation impossible.
<b>CIE</b>	The LESO ran out of processing/communications capacity to process the message.
<b>CNS</b>	Call not started.
<b>DTE</b>	Data terminal equipment. Used when an X.25 subscriber has cleared the connection during the call attempt.
<b>ERR</b>	Error.
<b>FAU</b>	Faulty.
<b>FMT</b>	Format error.
<b>FSA</b>	Fast select acceptance not subscribed.
<b>IAB</b>	Invalid answer-back from destination.
<b>IAM</b>	Was unable to process the address information in the following message:
<b>IDS</b>	Invalid data from ship.
<b>IDT</b>	Input data time-out.
<b>IFR</b>	Invalid facility request.
<b>IMS</b>	Message size is invalid; 7,932 characters maximum.
<b>IND</b>	Incompatible destination.
<b>INH</b>	Was unable to establish the type of message from the following header:
<b>INV</b>	Invalid.
<b>ISR</b>	Invalid ship request.
<b>LDE</b>	Maximum acceptable message length or duration has been exceeded.
<b>LEF</b>	Local equipment failure.
<b>LPE</b>	Local procedure error.
<b>MBB</b>	Message broken by higher priority.

<b>NDN code</b>	<b>Meaning</b>
<b>MCC</b>	Message channel congestion.
<b>MCF</b>	Message channel failure.
<b>MKO</b>	Message killed by operator.
<b>MSO</b>	Machine switched off.
<b>NA</b>	Correspondence with this subscriber is not permitted.
<b>NAL</b>	No address line is present.
<b>NC</b>	No circuits.
<b>NCH</b>	Subscriber's number has changed.
<b>NDA</b>	No delivery was attempted.
<b>NFA</b>	No final answer-back.
<b>NIA</b>	No initial answer-back.
<b>NOB</b>	Not obtainable.
<b>NOC</b>	No connection.
<b>NP</b>	No party. The called party is not, or is no longer, a subscriber.
<b>NTC</b>	Network congestion/
<b>OAB</b>	Operator aborted.
<b>OCC</b>	Subscriber is occupied.
<b>OOO</b>	Out of order.
<b>PAD</b>	Packet assembler/disassembler.
<b>PRC</b>	Premature clearing.
<b>PRF</b>	Protocol failure.
<b>RCA</b>	Reverse charging acceptance not subscribed.
<b>REF</b>	There was a failure in the remote equipment.
<b>RLE</b>	Resource limit exceeded.
<b>RPE</b>	Remote procedure error.
<b>RPO</b>	RPOA out of order.
<b>SCC</b>	Call completed successfully.
<b>SHE</b>	MES hardware error.
<b>SNF</b>	The satellite network has failed.
<b>SPE</b>	MES protocol error.
<b>SUC</b>	Test results being delivered.
<b>TBY</b>	Trunks busy.
<b>TGR</b>	TDM group reset.
<b>TIM</b>	Time-out.
<b>TMD</b>	Too many destinations.
<b>UNK</b>	Unknown. Is used when no other failure codes are suitable.
<b>WFA</b>	Wrong final answer-back.
<b>WIA</b>	Wrong initial answer-back.

<b>Two-digit Code</b>	<b>Service</b>	<b>Remarks</b>
<b>00</b>	Automatic	Use this code to make automatic telephone, facsimile and voice-band data calls using international direct dial (IDD) codes.
<b>11</b>	International operator	Use this code to obtain information from the international operator of the country where the LESO is located.
<b>12</b>	International information	Use this code to obtain information about subscribers in countries other than that where the LESO is located.
<b>13</b>	National operator	Use this code to obtain assistance to connect to subscribers in the country where the LESO is located. In countries which do not have an international operator, use this instead of Code 11.
<b>14</b>	National information	Use this code to obtain information about subscribers in the country where the LESO is located.
<b>17</b>	Telephone call booking	This code may be used via some LESOs to book telephone calls, although normally it is used via the telex service.
<b>20</b>	Access to a maritime PAD	This code is used when using a voice-band data modem to access a maritime packet assembly/disassembly (PAD) facility in a packet switched public data network (PSDN). The PAD is accessed via telephone circuits and two additional digits indicating the required data rate should follow the prefix 20.
<b>23</b>	Abbreviated dialling (short code selection)	This code is used by some LESOs to allow Inmarsat-A equipped subscribers to use abbreviated dialling codes for their regularly dialled numbers.
<b>28</b>	Internet access	This code is used by some LESOs to allow Inmarsat-A/B/M/mini-M to access the Internet. The terminals must generally first be registered with the LESO before this service can be used.
<b>31</b>	Maritime enquiries	This code may be used for special enquiries such as ship location, authorisation, etc.
<b>32</b>	Medical advice	Use this code to obtain medical advice. Some LESOs have direct connections with local hospitals for use with this code.

**Table D-4** - Two-digit access code for telephone services

Two-digit Code	Service	Remarks
33	Technical assistance	Use this code if you are having technical problems with your Inmarsat terminal. Technical staff at the LESO should be able to assist you.
34	Person-to-person call	Use this code to contact the operator for a person-to-person call.
35	Collect call	Use this code to contact the operator for a collect call (charge payable by the recipient of the call).
36	Credit card call	Use this code to charge a telephone call to a credit or charge card.
37	Time and duration	This code should be dialled at the start of a call instead of Code 00 for an automatic call. With this service, the MES operator is advised of the time and duration of the call being set up, either by a telephone call back from the LESO or, more usually, by a short telex message giving the time and duration of the call. (Note that Code 37 cannot work with a second IMN on Inmarsat-A or an Inmarsat-M/mini-M MES, as there is no associated telex line).
38	Medical assistance	This code should be used if the condition of an ill or injured person on board the vessel requires urgent evacuation ashore or the services of a doctor aboard the vessel. This code will ensure that the call is routed to the appropriate agency or authority ashore to deal with the situation.
39	Maritime assistance	This code should be used to obtain maritime assistance if the vessel requires assistance or a tow or has encountered oil pollution, etc.
41	Meteorological reports	This code should be used by weather-observing vessels to send their observations. In most cases where this service is available the service is free of charge to the vessel, the National Weather Authority paying the relevant charges.
42	Navigational hazards and warnings	This code provides a connection to a navigational office for transmission of information from the vessel about any hazards which could endanger the safety of navigation (e.g. wrecks, derelicts, floating obstructions, defective radio beacons or light vessels, icebergs, floating mines etc.).
43	Ship position reports	This code provides a connection to an appropriate national or international centre collecting ship movement information for search and rescue (or other) purposes e.g. AMVER or AUSREP, etc.

**Table D-4** (contd.) - Two-digit code telephone services

<b>Two-digit code</b>	<b>Service</b>	<b>Remarks</b>
<b>6(x)</b>	Administration specialised use	For use by administrations for specialised use. Often used for leased lines, etc. The 'x' digit following the 6 is allocated on a national basis and is usually not used for the same service/leased line for more than one LESO.
<b>70</b>	Databases	The LESO will normally use this code, if it is available, to allow automatic access to its information retrieval database.
<b>91</b>	Automatic line test	This code should be used to obtain test levels and tones when setting up a modem or voice-band data equipment.
<b>92</b>	Commissioning tests	This code should be used when a vessel is ready to commence its Inmarsat-A commissioning tests. The code should be used for this purpose only and then solely via the LESO through which the commissioning has been arranged.