

Clear Causes



Identifies why and where the call setup
went wrong

- **Standard:**

- ☞ Indicates whether the Inmarsat coding scheme or the CCITT recommendation Q.931 coding standard is used.

- **Location:**

- ☞ Locates where the event has occurred

- **Class:**

- ☞ Identifies the category of the cause information

- **Value:**

- ☞ Uniquely identifies the cause of events with identical Locations and Classes

Standard



1811/00

☞ Indicates whether the Inmarsat coding scheme or the CCITT recommendation Q.931 coding standard is used.

- 0 = CCITT
- 1 = Inmarsat



Location

Locates where the event has occurred

▼
1811/00

■ MES

- 0 User terminals
- 1 MES user interfaces
- 2 MES ACSE
- 3 MES hardware

■ LES

- 4 Terrestrial interfaces
- 5 LES ACSE
- 6 LES Channel units
- 7 Spare

Location

Locates where the event has occurred

▼
1811/00

■ NCS

8 NCS ACSE

9 Spare

A Spare

B Spare

■ TERRESTRIAL
NETWORK

C Switching Center (LES)

D PSTN, PSPDN, etc

E Terrestrial subscriber

F Unidentified location in
Terrestrial Network

Cause Class

↓
1811/00

■ “NORMAL” Events

0 Normal clear at end of call

1 **Busy**

2 No response

3 Spare

■ “ABNORMAL” Events

4 Pre-emption

5 Lack of capacity or
resources

6 Interruption

7 Spare

Cause Class

- “Service not Available”
Events

8 Service not implemented

9 Service currently not
available

A “Not authorized”

B Reason Unknown

- “Signaling” Events

C Signal missing (time-out)

D Parameter(s) out-of-range
or conflicting

E Other signaling failures

F Spare

Value

↓
1811/00

■ Value:

☞ Uniquely identifies the cause of events with identical Locations and Classes

- 1811/00 identifies cause specified by Inmarsat
- 1811/00 identifies causes by WorldPhone
- ex: 12B1/50 = Burst not sent

1001/000	MES on hook	Normal clearing due to instruction from the MES terminal equipment
1011/000	Terminal Id busy	The specified MES terminal number is currently busy
1012/000	Unspecified Reason	For fixedoriginated calls: The specified, and already signalled, MES terminal number has since gone busy
1021/000	Off-hook timeout	Off Hook was not received from addressed MES terminal within time limit
1081/000	Terminal Id mismatch	The specified MES terminal number has not been installed
1091/000	Terminal Id mismatch	The specified MES terminal number is currently out of service
1092/000	MES out of service	For fixedoriginated calls: The specified, and already signalled, MES terminal number has since become outofservice
1143/000	Phone busy. Recieved call cleared	Recieved shorecall abandoned due to shipcall
1146/000	MES on hook	Attempted shipcall abandoned by MES terminal
11D1/00	Invalid information from MES	The "Service Nature" and/or "Service Type" and/or "Channel Parameter" information received from MES is invalid
11D2/00	Incorrect number	The "service address" information received from MES is invalid
11D3/00	Incorrect number	The "service address" received from MES is currently undefined
11D4/000	Credit card data invalid	Credit card information received from the MES is invalid
11D5/000	Incorrect number	The "service address" received from MES contains an invalid country code
11D6/000	Unsuccessful call attempt	PID information in "Scrambling Vector" is not consistent with the PID information in the Fixed/MESOriginated and PID/MES registration table
1281/000	Service not provided by MES	MES is not equipped to provide the specified service
1291/000	Terminal Id out-of-service	MES is equipped to, but not currently able to provide the service
12B1/000	Unspecified Reason	The call is cleared or rejected for a reason not currently defined
12B1/001	Unspecified Reason	MES is clearing due to timeout of timer TS011
12B1/002	Unsuccessful call attempt	MES is clearing due to CESV_OFF
12B1/003	Unsuccessful call attempt	MES is clearing due to timeout of timer channel_not_ready before reception of CHANNEL_READY. Channel is not tuned within allowed timelimit
12B1/004	Unsuccessful call attempt	MES is clearing due to timeout of timer TS003 Wait for assignment from NCS during shore_call
12B1/005	Unspecified Reason	MES is clearing due to timeout of timer TS008
12B1/006	Unspecified Reason	MES is clearing due to timeout of timer TS005; signal "cesv_on" is missing during shore-call
12B1/007	Unspecified Reason	MES is clearing due to timeout of timer TS010; signal "cesv_on" is missing during ship-call
12B1/008	Net service provider undefined	Signal NUMBER from user carries an illegal CES access code parameter
12B1/009	Unspecified Reason	Call rejected because a call set-up is already in progress
12B1/010	Unsuccessful call attempt	MES is clearing due to timeout of timer TS003, Wait for assignment from NCS during ship_call
12B1/011	Unsuccessful call attempt	MES is clearing due to timeout of timer channel_not_ready before reception of CHANNEL_READY.
12B1/012	Busy with call	Control did not grant access to terminal due to conflicting shore call

Sheet1

12B1/013	Busy with call	Control did not grant access to terminal due to conflicting ship call
12B1/014	Too frequent call attempt	Control did not grant access to terminal due to too frequents request
12B1/015	MES busy	Control did not grant access to terminal, had better things to do
12B1/016	Antenna not connected	
12B1/017	Unspecified Reason	
12B1/018	Unspecified Reason	For some reason, updating a record handler etc. couldn't be done
12B1/019	Unspecified Reason	
12B1/020	Unspecified Reason	
12B1/021	Antenna not connected	The communication link to ACU has failed
12B1/025	Initializing	System is not ready yet after startup
12B1/026	Spot beam selection	Spot beam selection is beeing performed
12B1/027	Network data validation	Bulletin board data (satellite channel information etc.) is not yet verified
12B1/030	Ocean region registration	Ocean region registration is in progress
12B1/031	Antenna initializing	Antenna is not yet ready for use
12B1/032	Unspecified Reason	Channel tuning is beeing performed
12B1/033	No satellite is seen	No satellite synch can be achieved
12B1/034	Configuring antenna	Antenna configuration is taking place
12B1/036	Searching satellite(s)	Antenna is searching for satellite(s)
12B1/037	Unspecified Reason	Used in CONTROL_PP to indicate a preemption of a ship- or shore-call for a MES initiated distress-call. For logical use; will not be logged.
12B1/038	Unsuccessful call attempt	Used in DTLXMNG_DPP to indicate a timeout of timer TS308, which means that no mark has been received from the LES.
12B1/041	Printer not responding	Used when printer does not respond as expected. Power may be turned off, cable not connected, paper empty or printer not selected/on-line
12B1/042	Unspecified Reason	
12B1/043	Unsuccessful call attempt	no acknowledge
12B1/044	Unsuccessful call attempt	no synch
12B1/045	Unsuccessful call attempt	no rx_lock
12B1/046	Unsuccessful call attempt	no tx1_lock
12B1/047	Unsuccessful call attempt	no tx2_lock
12B1/048	Unsuccessful call attempt	missing or illegal channel
12B1/049	Unsuccessful call attempt	no authorization
12B1/050	Unsuccessful call attempt	burst not sent
12B1/051	Out of charge time.	Precharge terminal has run out of time. Must refill before call is possible.
12B1/052	Unacceptable PIN code	Wrong PIN code entered
12B1/054	restriction! Dial 33#.	Used when access is restricted due to Enhanced Function inconsistency

12B1/055	Antenna CMD not accepted	A command to the ACU was not accepted (4 times), link restarted
12B1/056	Pedestal CMD not accepted	A command to the PCU (M) was not accepted (4 times), link restarted
12B1/057	Antenna initializing failed	Antenna initialize failed
12B1/059	Unspecified Reason	Operation/Function failed
12B1/060	Unspecified Reason	Operation not possible, function is busy
12B1/061	No shore LCM connect	No lcm_connect received from shore after lcm_establish sent (asd)
12B1/062	ASD data link failure	Data link failure in asd communication
12B1/063	Radio silence mode	Radio Silence activated
12B1/064	Inactivity timeout	Inactivity timeout for data calls
12B1/067	Unspecified Reason	Various error situations related to SIM authentication (during call).
12B1/068	Unspecified Reason	Power down requested.
12C1/000	Unsuccessful call attempt	Scrambling Vector Ack was not received within allowed time limit
12C2/000	Unsuccessful call attempt	Credit Card Accepted was not received within allowed time limit.
12C3/000	Unsuccessful call attempt	LES Connect message is not received by the MES terminal within allowed time limit
12C4/000	Unsuccessful call attempt	A complete set of "Authentication ISU/SSU" was not received within allowed time limit
12D1/00	Invalid spot-beam Id info from MES	The "Spot Beam ID" information received from MES is invalid
12D2/000	Unsuccessful call attempt	The "Scrambling Vector" information received from MES is invalid
1362/000	Signal interruption	Longterm interruption in reception
1363/000	Repointing antenna	PFC has commanded the Abovedecks equipment to repoint to a different Ocean Region
1451/00	Terrestrial congestion	An appropriate terrestrial circuit is not currently available at this LES
1452/00	LES and terrestrial congestion	An appropriate channel unit and associated terrestrial circuit, with 'onetoone' connection, are not currently available at this LES
1541/000	Priority preemption	Preemption of LES by a higher priority call
1551/00	LES congestion	An appropriate satellite channel is not currently available at this LES
1552/00	LES congestion	An appropriate tdm and/or tdma timeslot is not currently available
1581/00	Service not provided by LES	The requested service is not provided by this specific LES
1591/00	Service temporarily not available	The requested service is temporarily not available at this specific LES
1592/000	Credit card data invalid	Specified credit card type is not currently supported by this LES
15A1/00	Not authorized at this LES	MES is not authorized for any service at this LES
15A2/00	Not authorized for this service	MES is not authorized for the requested service at this LES
15A3/000	Credit card not accepted	Credit card data from MES rejected by the authorization checking process
15A4/000	Unsuccessful call attempt	Authentication reply data is invalid
15A5/00	PID not authorized at this LES	PID is not authorized for any service at this LES
15A6/00	PID not authorized for this service	PID is not authorized for the requested service at this LES
15B1/000	Unsuccessful call attempt	The call is cleared or rejected for a reason not currently defined
15C1/00	Unsuccessful call attempt	Channel Assignment is not received within allowed time limit

Sheet1

15C2/00	Unsuccessful call attempt	The serviceaddress information is not received within allowed time limit
15C3/000	Unsuccessful call attempt	Scrambling Vector is not received within allowed time limit
15C4/000	Unsuccessful call attempt	Neither Service adress or Scrambling Vector is received within allowed time limit
15C5/000	Unsuccessful call attempt	Complete credit card information is not received within allowed time limit
15C6/000	Unsuccessful call attempt	Return Carrier Identifier message not received within allowed time limit
15C7/000	Unsuccessful call attempt	MES Connect message is not received within the allowed time limit
15C8/000	Unsuccessful call attempt	Telegraphy call cleared; MES Answerback is not received within time limit
15C9/000	Unsuccessful call attempt	Authentication reply is not received within allowed time limit
15D1/00	Invalid channel assignment from NCS	Channel Assignment from NCS contains inappropriate or conflicting info
15D2/000	MES Id used by other MES	MES ID and channel number is cleared in the busy lists at LES and NCS because a new call to/from this MES is being set up, and thus any previous call to/from this MES must have cleared
15E1/000	Forced release	LES is attempting to clear an MES which has sent an SCPC channel release message, but is found still to be transmitting 5.12 s later
1651/00	LES congestion	An appropriate channel unit is not currently available at this LES
1661/000	Signal interruption	Interruption in reception of the MES carrier exceeding allowed time limit
16C1/000	Unsuccessful call attempt	Telegraphy call cleared; SEST carrier is not received within time limit
16C2/000	Unsuccessful call attempt	An appropriate SCPC MES carrier is not received by the LES (at the commencement of the call) within the time limit
1811/00	MES Id busy	The specified MES ID is in the "MES busy list" at the NCS
1851/00	No SCPC channel available	No SCPC channel is currently available
18A1/00	Unknown MES Id	The specified MES ID is NOT in the "Forward and return MES ID list".
18B1/00	Undefined LES cause	The call is cleared or rejected for a reason not currently defined
18C1/00	No answer from MES	No message from MES, in reaction to Call Announcement, within time limit
18E1/00	MES Id used by other MES	The specified MES ID is in the "MES busy list" at the NCS, listed as being busy with a call through the same LES as that now requesting a "call announcement" addressed to that MES
1C61/000	Unsuccessful call attempt	Telegraphy call cleared; failure in call setup between CES and MSSC
1F01/000	Subscriber on hook	
1F11/000	Subscriber busy	Terrestrial called party is busy
1F21/000	No answer	Appropriate offhook signalling from the terrestrial called party is not received within the allowed time limit
1F61/000	Subscriber line failure	Failure in the relevant terrestrial circuit
1F62/000	Subscriber on hook	