

EPIC



# Communication Error Codes

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## About this book:

This book describes system messages that are issued to the EPIC User & Administrator and system messages that are recorded in the EPIC log files.

## Who this book is for:

This book is intended for people who need to understand and make use of system messages issued by EPIC.

## What you need to use this book:

You should be familiar with using EPIC and you should be familiar with the business processes within your organization and with basic computer operation.

## Related Publications:

Administrator's Guide	VM-0001-04
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User's Guide	VM-0001-05
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# 1 Communication Error Codes

## 1.1 OFTP Cause and Diagnostic Codes

### 1.1.1 ESID Error Codes

The ESID (End session ID) error codes are set by the OFTP protocol at session termination.

Code (Decimal)	Problem	Description
00	Normal Session Termination	No problem has occurred.
01	Command not recognised	An exchange buffer was received, containing an invalid OFTP command. The OFTP monitor at the remote does not conform correctly to the OFTP standard. Get your trading partner to correct the problem at their end.
02	Protocol violation	An OFTP command has been received that is invalid at this point in the protocol flow. e.g. an SSID was received inside a file transmission. Get your trading partner to correct the problem at their end.
03	User code not known to system	A Start Session (SSID) command contains an unknown or invalid Identification Code. Make sure you and your partner have the EDI codes of the sender and recipient set up correctly.
04	Invalid password	A Start Session (SSID) command contains an invalid password. Make sure you and your partner have the Send and Receive passwords set up correctly.
05	Local site emergency close down	There is an emergency shutdown in process and sessions are being terminated.
06	Command contained invalid data	An OFTP command contained invalid data, e.g. a field that should contain a 'Y' or 'N' contained something else; or a numeric field contained alphabetic characters.
07	Exchange Buffer size	An exchange buffer has been received that has an invalid size. If the exchange buffer contains

Code (Decimal)	Problem	Description
	error	an OFTP data command, then the exchange buffer size exceeds that negotiated at session start-up. If the exchange buffer contains an OFTP command then the size of the exchange buffer is inconsistent with the size of the OFTP command.
08	Resources not available	While processing an OFTP command, resources needed within the computer system could not be made available. e.g. memory allocation for the processing of a received OFTP exchange buffer could not be allocated. This type of problem is machine dependent and can normally be overcome by retrying the communications.
09	Time-out	An OFTP command has not been acknowledged for a significant period of time. Normally this is caused by computer overload at the remote end or an invalid configuration, either locally or remotely.
10	Mode or capabilities	This situation can occur when both OFTPs specify 'incoming only' or both specify 'outgoing only' for the direction of file transfer. Clearly it is not practical to continue in such an event.
11	Invalid challenge	The Authentication Response (AURP) to an Authentication Challenge (AUCH) command was not correctly signed. This is probably because the wrong certificate has been used.
12	Secure authentication required	In the Start Session (SSID) command, the caller has requested authentication but the trading partner does not support it. Agree between yourselves whether authentication is to be used.
99	Unspecified abort code	An error or event occurred for which no specific code is defined.



## 1.1.2 SFNA/EFNA Error Codes

These codes are set during communications by the OFTP protocol at the start of a file (SFNA = Start File Negative Acknowledgement) and end of a file (EFNA = End File Negative Acknowledgement).

Code (Decimal)	Problem	Description
00	File successfully processed	No problem has occurred.
01	Invalid filename	The virtual filename does not contain valid ODETTE characters. Ensure that only upper case alphabetic characters, numbers 0 to 9 and characters & ()-./ are used.
02	Invalid destination	The destination EDI code (file or message node) is not profiled in the Comms Manager section of the Administrator.
03	Invalid origin	The origin EDI code (file or message node) is not profiled in the Comms Manager section of the Administrator.
04	Storage record format not supported	The storage format for the virtual file cannot be supported by the destination. This would occur if, for example, a Variable length record was sent to a machine that could only handle Fixed length records.
05	Maximum record length not supported	The maximum record length that the destination machine can handle has been exceeded.
06	File size is too large	The file is too large for either the OFTP or the remote site to handle.
10	Invalid record count	The 'Number of records' field, stored on the EFID, does not match the number counted during the transmission.
11	Invalid byte count	The 'Number of bytes' field, stored on the EFID, does not match the number counted during the transmission.
12	Access method failure	The remote site has had a problem storing the virtual file. This is often caused by the receiver running out of disk space.

Code (Decimal)	Problem	Description
13	Duplicate file identity	The Virtual filename, Date, and Time should be unique. This message states that a second virtual file has been transmitted with exactly the same name, date and time as an existing file.
14	File direction refused	A sender only cannot receive a file and vice versa.
15	SFNA : Cipher suite not supported EFNA : Invalid signature	If present in a SFNA, the algorithm used to sign/encrypt the file is not supported. Agree with your trading partner which cipher suite you will use. If present in an EFNA, the signature failed verification. The file has become corrupted.
16	SFNA : Encrypted file not allowed EFNA : Decryption failed	If present in a SFNA, the receiver does not want files to be encrypted. If present in an EFNA, the file could not be decrypted. It has become corrupted.
17	SFNA : Unencrypted file not allowed EFNA : Decompression failed	If present in a SFNA, the receiver requires files to be encrypted. If present in an EFNA, the file could not be decompressed. It has become corrupted.
18	Compression not allowed	The receiver does not support advanced OFTP compression.
99	Unspecified reason code	There has been an error that does not fit into any of the above categories.

### 1.1.3 ISDN Clearing Cause Codes

These codes appear as a result of an ISDN call clearing.

Code (Hex)	Code (Dec)	Description
00	00	No cause available.
01	01	Unassigned (unallocated) number.
02	02	No route to specified transit network.
03	03	No route to destination.
06	06	Channel unacceptable.
07	07	Call awarded and being delivered in an established channel.
10	16	Normal call clearing.
11	17	User busy.
12	18	No user responding.
13	19	User alerting, no answer.
15	21	Call rejected.
16	22	Number changed.
1A	26	Non-selected user clearing.
1B	27	Destination out of order.
1C	28	Invalid number format.
1D	29	Facility rejected.
1E	30	Response to status enquiry.
1F	31	Normal, unspecified.
22	34	No circuit/channel available.
26	38	Network out of order.
29	41	Temporary failure.
2A	42	Switching equipment failure.
2B	43	Access information discarded.

Code (Hex)	Code (Dec)	Description
2C	44	Requested channel not available.
2F	47	Resource unavailable.
31	49	Quality of service unavailable.
32	50	Requested facility not subscribed.
39	57	Bearer capability not authorised.
3A	58	Bearer capability not available.
3F	63	Service or option not available.
41	65	Bearer capability not implemented.
42	66	Channel type not implemented.
45	69	Channel type not implemented.
46	70	Only restricted digital info capability available.
4F	79	Service or option not implemented.
51	81	Invalid call reference value.
52	82	Identified channel does not exist.
53	83	A suspended call exists, but not this id.
54	84	Call identity in use.
55	85	No call suspended.
56	86	Call with this id has been cleared.
57	87	Incompatible destination.
5B	91	Invalid transit network selection.
5F	95	Invalid message specified.
60	96	Mandatory information element missing.
61	97	Message type non-existent.
62	98	Message not compatible with call state.
63	99	Info element non existent.

Code (Hex)	Code (Dec)	Description
64	100	Invalid info element contents.
65	101	Message not compatible with call state.
66	102	Recovery on time expiry.
6F	111	Protocol error, unspecified.
7F	127	Interworking, unspecified.

## 1.2 CAPI Errors

These codes indicate problems in CAPI communications.

Code	Description
0x0001	NCPI not supported by current protocol, NCPI ignored
0x0002	Flags not supported by current protocol, flags ignored
0x0003	Alert already sent by another application
0x1001	Too many applications
0x1002	Logical block size too small, must be at least 128 bytes
0x1003	Buffer exceeds 64 Kbytes
0x1004	Message buffer size too small, must be at least 1024 bytes
0x1005	Max. number of logical connections not supported
0x1006	Reserved
0x1007	The message could not be accepted because of an internal busy condition
0x1008	OS Resource error (e.g. no memory)
0x1009	COMMON-ISDN-API not installed
0x100a	Controller does not support external equipment
0x100b	Controller does only support external equipment
0x1101	Illegal application number
0x1102	Illegal command or subcommand or message length less than 12

Code	Description
	octets
0x1103	The message could not be accepted because of a queue full condition
0x1104	Queue is empty
0x1105	Queue overflow, a message was lost
0x1106	Unknown notification parameter
0x1107	The message could not be accepted because of an internal busy condition
0x1108	OS resource error (e.g. no memory)
0x1109	COMMON-ISDN-API not installed
0x110a	Controller does not support external equipment
0x110b	Controller does only support external equipment
0x2001	Message not supported in current state
0x2002	Illegal Controller/PLCI/NCCI
0x2003	Out of PLCI
0x2004	Out of NCCI
0x2005	Out of LISTEN
0x2006	Out of FAX resources (protocol T.30)
0x2007	Illegal Message parameter coding
0x3001	B1 protocol not supported
0x3002	B2 protocol not supported
0x3003	B3 protocol not supported
0x3004	B1 protocol parameter not supported
0x3005	B2 protocol parameter not supported
0x3006	B3 protocol parameter not supported
0x3007	B protocol combination not supported
0x3008	NCPI not supported
0x3009	CIP Value unknown

Code	Description
0x300a	Flags not supported (reserved bits)
0x300b	Facility not supported
0x300c	Data length not supported by current protocol
0x300d	Reset procedure not supported by current protocol
0x3301	Protocol error layer 1 (broken line or B-channel removed by signalling protocol)
0x3302	Protocol error layer 2
0x3303	Protocol error layer 3
0x3304	Another application got that call
0x3311	Connecting not successful (remote station is no FAX G3 machine)
0x3312	Connecting not successful (training error)
0x3313	Disconnected before transfer (remote station does not support transfer mode, e.g. resolution)
0x3314	Disconnected during transfer (remote abort)
0x3315	Disconnected during transfer (remote procedure error, e.g. unsuccessful repetition of T.30 commands)
0x3316	Disconnected during transfer (local tx data underrun)
0x3317	Disconnected during transfer (local rx data overflow)
0x3318	Disconnected during transfer (local abort)
0x3319	Illegal parameter coding (e.g. SFF coding error)
0x3481	Unallocated (unassigned) number
0x3482	No route to specified transit network
0x3483	No route to destination
0x3486	Channel unacceptable
0x3487	Call awarded and being delivered in an established channel
0x3490	Normal call clearing
0x3491	User busy

Code	Description
0x3492	No user responding
0x3493	No answer from user (user alerted)
0x3495	Call rejected
0x3496	Number changed
0x349a	Non-selected user clearing
0x349b	Destination out of order
0x349c	Invalid number format
0x349d	Facility rejected
0x349e	Response to STATUS ENQUIRY
0x349f	Normal, unspecified
0x34a2	No circuit / channel available
0x34a6	Network out of order
0x34a9	Temporary failure
0x34aa	Switching equipment congestion
0x34ab	Access information discarded
0x34ac	Requested circuit / channel not available
0x34af	Resources unavailable, unspecified
0x34b1	Quality of service unavailable
0x34b2	Requested facility not subscribed
0x34b9	Bearer capability not authorized
0x34ba	Bearer capability not presently available
0x34bf	Service or option not available, unspecified
0x34c1	Bearer capability not implemented
0x34c2	Channel type not implemented
0x34c5	Requested facility not implemented
0x34c6	Only restricted digital information bearer capability is available



Code	Description
0x34cf	Service or option not implemented, unspecified
0x34d1	Invalid call reference value
0x34d2	Identified channel does not exist
0x34d3	A suspended call exists, but this call identity does not
0x34d4	Call identity in use
0x34d5	No call suspended
0x34d6	Call having the requested call identity has been cleared
0x34d8	Incompatible destination
0x34db	Invalid transit network selection
0x34df	Invalid message, unspecified
0x34e0	Mandatory information element is missing
0x34e1	Message type non-existent or not implemented
0x34e2	Message not compatible with call state or message type non-existent or not implemented
0x34e3	Information element non-existent or not implemented
0x34e4	Invalid information element contents
0x34e5	Message not compatible with call state
0x34e6	Recovery on timer expiry
0x34ef	Protocol error, unspecified
0x34ff	Interworking, unspecified

### 1.3 X.25 Clearing Cause Codes

These codes appear in the X.25 Clear packet.

Code (Hex)	Code (Dec)	Problem	Description
00	00	DTE Clearing	The remote cleared the session. If the associated diagnostic code is non zero, then the remote is abnormally terminating

Code (Hex)	Code (Dec)	Problem	Description
			the session.
01	01	Number busy	All incoming logical channels at the remote are busy. The call should be tried again later.
03	03	Invalid call	Invalid call.
05	05	Number unknown	An NUA has been specified that does not exist.
09	09	Out of order	The equipment at the remote end is not active. Either their computer is powered off or their X.25 link level 2 protocol has not been activated.
0B	11	Access barred	The remote is part of a Closed User Group to which you do not belong.
0D	13	Not obtainable	Not obtainable.
11	17	Remote procedure error	A problem exists between the remote DTE and the network. This is a remote problem and is normally as a result of an invalid remote configuration.
13	19	Local procedure error	A problem exists between the local DTE and the network. This is a local problem and is normally as a result of an invalid local configuration.
15	21	RPOA out of order	Recognised Public Operating Agency.
19	25	Reverse charging not subscribed	Reverse charging not subscribed.
21	33	DTE incompatible call	DTE incompatible call.
29	41	Fast select not subscribed	Fast select not subscribed.
39	57	Ship absent	Ship not in port (offshore).

## 1.4 X.25 Diagnostic Codes

These codes appear in the X.25 Clear packet as the X.25 clearing diagnostic.

Code (Hex)	Code (Dec)	Description
00	00	No additional information.
01	01	Invalid P(S).
02	02	Invalid P(R).
10	16	Packet type invalid.
11	17	Packet type invalid for state R1.
12	18	Packet type invalid for state R2.
13	19	Packet type invalid for state R3.
14	20	Packet type invalid for state P1.
15	21	Packet type invalid for state P2.
16	22	Packet type invalid for state P3.
17	23	Packet type invalid for state P4.
18	24	Packet type invalid for state P5.
19	25	Packet type invalid for state P6.
1A	26	Packet type invalid for state P7.
1B	27	Packet type invalid for state D1.
1C	28	Packet type invalid for state D2.
1D	29	Packet type invalid for state D3.
20	32	Packet not allowed.
21	33	Unidentifiable packet.
22	34	Incoming call received on one-way channel.
23	35	Clear or Call packet received on a PVC.
24	36	Packet on unassigned logical channel.
25	37	Reject not subscribed to.
26	38	Packet received - too short.
27	39	Packet received - too long.
28	40	Invalid GFI.
29	41	Restart packet on LCN zero.
2A	42	Illegal fast select packet.
2B	43	Unauthorised Interrupt CONF packet received.
2C	44	Unauthorised Interrupt packet received.
30	48	Timer expired : on Clear request.
31	49	Timer Expired; Incoming Call.
32	50	Timer Expired; Clear Indication.

Code (Hex)	Code (Dec)	Description
33 34	51 52	Timer Expired; Reset Indication. Timer Expired; Restart Indication.
40	64	Unspecified Call Set-Up Problem.
41 42 43 44	65 66 67 68	Facility code not allowed. Invalid facility parameter. Invalid Called Address. Invalid Calling Address.
70	112	Inter network problem.
80	128	Reserved for network.
90	144	DTE/DCE congestion.
91 92 93 94 95 96 97 98 9F	145 146 147 148 149 150 151 152 159	Received fast select CLEAR request. Line restarting fast select CLEAR request. Invalid RESTART conf in state R3. Loop trunk lines detected. Invalid length trunk restart. Call quota distribution clear. Reconnect multiple race. Reconnect time-out. Network table overflow.
A0 A1 A2 A2 A3 A4 A5 A5 A7 A8 A9 AA AB AC AF	160 161 162 162 163 164 165 165 167 168 169 170 171 172 175	Non-zero RESET cause from DTE. Data packet too long. INTERRUPT packet too long. DTE not operational. INT. packet too short, no user data. INT. confirmation packet too long. RR packet too long. RNR packet too long. RESET packet too long. RESET confirmation packet too long. Invalid Q bit in data packet. Packet window range exceeded. Invalid P(S). Invalid P(R) RESET packet too short, no cause.
B0	176	REJECT packet too long.
B2 B3 B4	178 179 180	Unsuccessful reconnection resync. Non-reconnect call in state C1. Second ID packet from DTE.

Code (Hex)	Code (Dec)	Description
B5	181	Bad data transfer state in reconnect.
B6	182	Packet format invalid.
B7	183	FACILITY byte count too large.
B8	184	Invalid packet detected.
B9	185	FACILITY/UTILITY field byte count > 63.
BA	186	Outgoing calls barred.
BB	187	Incoming calls barred.
BC	188	Clearing of PVC.
BD	189	Called address too long.
BE	190	Called address too short.
BF	191	Calling address too short.
C3	192	User data field too long.
C4	193	No buffer available.
C6	194	FACILITY negotiation invalid.
C7	195	Mandatory utility not input.
C8	196	Buffer not available for TNIC.
C9	197	Overflow of TNIC in buffer.
CA	198	DTE line congested.
CB	199	Table error in packet procedures.
CC	200	Insert table overflow.
CD	201	Delete table overflow.
D3	211	Invalid event in state D1.
D4	212	Call collision on trunk line.
D5	213	No buffer available in end control block.
D6	214	Call collision on DTE line.
D7	215	DTE restart.
D8	216	Call request to trunk line time-out.
D9	217	Reconnect set-up timed out.
DA	218	Invalid output side state.
DB	219	Error detected in blind packet Q proc.
DC	220	RESET ind. re transmission count expired.
DD	221	Invalid output side state.
DE	222	Blind buffer queue overflow in state D4.
DF	223	Blind buffer queue overflow in state C1.
E0	224	Blind buffer queue overflow in state C2.
E1	225	CLEAR packet byte count invalid.
E2	226	Non-zero CLEAR cause.
E4	228	Call collision.
E5	229	Invalid TP load request call packet.
E7	231	Routing loop detected.
E8	232	PVC call request failure.
E9	233	Reconnect call request failed.

Code (Hex)	Code (Dec)	Description
BE	235	No buffer available.
EC	236	Call redirection CLEAR.
ED	237	No path to route call.
EE	238	Call routed to DTE line.
EF	239	Call cannot be re-routed.
F0	240	Address not in routing tables.
F1	241	Routing table change during call routing.
F2	242	No LC available on fake trunk.
F3	243	Remote DTE down on a PVC.
F4	244	Invalid control block event detected.
F5	245	Invalid packet received : state D4.
F6	246	Invalid packet received : state D5.
F7	247	Invalid packet received : state P8.
F8	248	Internal processing failure.
F9	249	Invalid RESTART indication received.
FA	250	Line status change in state R5.
FB	251	Invalid packet received : state R5.
FC	252	Invalid packet received : state R4.
FD	253	Line status change in state R3.
FE	254	Line status change in state R2.
FF	255	Line status change in state R1.