

# Q.850 to SIP Reroute Mapping Table

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Below is the Cause Code Reroute table supporting Q.850 - SIP mapping to support RFC4497.

 The N/A entry in the SIP Response Code field indicates 500.

**Figure 1:** Q.850 to SIP Reroute Codes

Q.850 Cause Code	Reason	SIP Response Code
1	Unallocated Number	404
2	no route to network	404
3	No route to destination	404
4	send special information tone	N/A
5	misdialled trunk prefix	N/A
6	Channel unacceptable	N/A
7	Call awarded and being delivered in an established channel	N/A
8	pre-emption	N/A
9	pre-emption circuit reserved for reuse	N/A
13	no circuit available in the transit network	N/A
14	reselection in the transit network applying load sharing	N/A
15	redirection to announcement machine	N/A
16	Normal Call clearing	500
17	User busy	486
18	No user responding	408
19	No answer from the user	480
20	subscriber absent	480
21	Call rejected	603/403
22	number changed (w/o diagnostic)	301/410
22	number changed (w/ diagnostic)	N/A
23	Redirection to new destination	410
24	Call Rejected due to feature at the destination	N/A

25	exchange routing error	N/A
26	Non-selected user clearing	N/A
27	Destination out of order	502
28	invalid number format(Address incomplete)	484
29	Facility rejected	501
30	Response to status enquiry	N/A
31	Normal unspecified	480
34	resource unavailable(No circuit available)	503
38	Network out of order	503
41	Temporary failure	503
42	Switching equipment congestion	503
43	Access information discarded	N/A
44	Requested channel not available	N/A
46	Precedence call blocked	N/A
47	Resource unavailable, unspecified	503
49	QoS unavailable	N/A
50	requested facility not subscribed	N/A
53	outgoing calls barred within CUG	N/A
55	Incoming calls barred within CUG	403
57	Bearer capability not authorized	403
58	Bearer capability not presently available	503
62	inconsistency in designated outgoing access information and subscriber class	N/A
63	Service/option not available	N/A
65	Bearer capability not implemented	488
66	Channel type not implemented	N/A
69	Requested facility not implemented	501
70	Only restricted digital information bearer capability is available	488
79	Service or option not implemented	501
81	Invalid call reference value	N/A
82	Identified channel does not exist	N/A
83	Suspended call exists, but this call identity does not	N/A

84	Call identity in use	N/A
85	No call suspended	N/A
86	Call having the requested call identity has been cleared	N/A
87	User not member of CUG	403
88	Incompatible destination	503
90	non-existent CUG	N/A
91	Invalid transit network selection	N/A
95	Invalid message	N/A
96	Mandatory information element is missing	N/A
97	Message type non-existent or not implemented	N/A
98	Message not compatible with call state or message type non-existent or not implemented	N/A
99	Information element non-existent or not implemented	N/A
100	Invalid information element non-existent or not implemented	N/A
101	Message not compatible with call state	N/A
102	Recovery of timer expiry	504
103	parameter non-existent or not implemented, pass on	N/A
110	Message with unrecognized parameter, discarded	N/A
111	Protocol error	N/A
127	Interworking unspecified	N/A

**Figure 2:** SIP to Q.850 Reroute Codes

SIP Response Code	Reason	Q.850 Cause Code
400	Bad Request	41
401	Unauthorized	21
402	Payment Required	21
403	Forbidden	21
404	Not found	1
405	Method not Allowed	63
406	Not acceptable	79
407	Proxy authentication required	21
408	Request Timeout	102
410	Gone	22

411	Length required	127
413	Request Entity too long	127
414	Request-uri too long	127
415	Unsupported media type	79
416	Unsupported URI scheme	127
420	Bad Extension	127
421	Extension required	127
423	Interval too brief	127
480	Temporarily unavailable	18
481	Call/Transaction does not exist	41
482	Loop Detected	25
483	Too many hops	25
484	Address incomplete	28
485	Ambiguous	1
486	Busy here	17
487	Request terminated	N/A
488	Not acceptable here	65
491	Request pending	21
493	Undecipherable	21
500	Server Internal Error	41
501	Not Implemented	79
502	Bad Gateway	38
503	Service Unavailable	41
504	Server timeout	102
505	Version not supported	127
513	Message too large	127
580	Precondition failure	41
600	Busy Everywhere	17
603	Decline	21
604	Does not exist anywhere	1
606	Not acceptable	31