Bounce reasons and descriptions for Marketing Cloud email sends

Reference: https://help.salesforce.com/articleView?id=000336492&type=1&mode=1

Bounce Category	Bounce Category ID	Bounce Subcategory	Bounce SubCategory ID	Reason
Block bounce	3	Complaints	**1001**	Your email is blocked due to complaints.
		Spamblocked	**1002**	The remote mail server has rejected this message due to characteristics of spam.
		Content	**1004**	Message was filtered due to content.
		URL Block	**1005**	Emails containing your URLs are blocked.
		High Unknown Address Percentage	**1009**	Email is blocked due to the high quantity of unknown or inactive addresses on your list.
		Authentication	**1010**	Message lacks required authentication.
		Other	**1999**	This email has been blocked by recipient.
Hard bounce	1	User Unknown	**2001**	Address is non-existent at the domain
		Domain Unknown	**2002**	Recipient domain doesn't exist.
		Bad Address Syntax	**2003**	Syntax Email address in invalid.
		Other	**2999**	This address does not accept mail.
Soft bounce	2	Mailbox Full	**3001**	Recipient's mailbox is full or has exceeded storage allocation.
		Inactive Account	**3002**	Address is temporarily unavailable.
		Temporary Domain Failure	**3003**	Receiving domain temporarily unavailable.
		Other	**3999**	Mailbox temporarily unavailable.
Technical / Other bounce	5	Server Too Busy	**4001**	Receiving email server is temporarily overwhelmed with delivery attempts, from you and other senders.
		Data Format Error	**4002**	Email is rejected due to formatting or line length errors.
		Network Error	**4003**	Connection lost or timed out during delivery.
		Other	**4999**	Failed due to temporary failure or indecipherable bounce message.
Unknown	4	Unknown	**9999**	Unknown.

Bounce Type ID	Bounce Type
0	Immediate
1	Delayed

SMTP Reply Codes [SMTPCode]

Reference: https://tools.ietf.org/html/rfc821

Code	Meaning
101	Cannot open connection
111	Connection refused or inability to open an SMTP stream
211	System status message or system help reply
214	Help message (Information on non-standard command)
220	<SERVER> Service ready
221	<SERVER> Service closing transmission channel
250	Requested mail action okay, completed
251	User not local; will forward to <REMOTEPATH>
252	Can not verify user; accepting message for attempt
354	Starting mail input
420	Timeout connection problem
421	<SERVER> Service not available, closing transmission channel
431	Not enough storage or out of memory (*See #452, #552*)
432	Recipients Exchange Server incoming mail queue stopped
441	Recipients mail server is not responding
442	Connection dropped during transmission
446	The maximum hop count was exceeded for the message: an internal loop has occurred.
447	Your outgoing message timed out because of issues concerning the incoming server.
449	A routing error.
450	Requested mail action not taken: mailbox unavailable (eg: mailbox not found, no access, or command rejected for policy reasons)
451	Requested action aborted: error in processing
452	Requested action not taken: insufficient system storage
455	Server unable to accommodate parameters
471	An error of your mail server, often due to an issue of the local anti-spam filter
500	Syntax error, command unrecognized (This may include errors such as command line too long)
501	Syntax error in parameters or arguments
502	Command not implemented
503	Bad sequence of commands
504	Command parameter not implemented
510	Invalid email address
511	Invalid email address (*See #552*)
512	A DNS error: the host server for the recipient's domain name cannot be found.
513	Address type is incorrect (possibly misspelled)
521	<DOMAIN> does not accept mail
523	The total size of your mailing exceeds the recipient server's limits
530	Normally, an authentication problem. But sometimes it's about the recipient's server blacklisting yours, or an invalid email address.
541	The recipient address rejected your message: normally, it's an error caused by an anti-spam filter.
550	Requested action not taken: mailbox unavailable (eg: mailbox not found, no access, or command rejected for policy reasons)
551	User not local; please try <FORWARDPATH>
552	Requested mail action aborted: exceeded storage allocation
553	Requested action not taken: mailbox name not allowed (eg: mailbox syntax incorrect)
554	Transaction failed (Or, in the case of a connection-opening response, "No SMTP service here")
555	MAIL FROM/RCPT TO parameters not recognized or not implemented

SMTP Enhance Status Codes [SMTPBounceReason]

Reference: https://tools.ietf.org/html/rfc1893

Code	Meaning
1.0.1	Cannot open connection
1.1.1	Connection refused
2.1.1	System Status message or System Help Reply
2.1.4	Help Reply message
2.2.0	*<Server Name>* service is running
2.2.1	The domain service is closing the transmission channel
2.1.4	Help Reply message
2.2.0	<Server Name> service is running
2.2.1	The domain service is closing the transmission channel
2.5.0	Requested mail action OK completed
2.5.1	User not local will forward
2.5.2	Cannot VRFY (verify) the user – the server will accept the message and attempt to deliver it
3.5.4	Start mail input end with **<CRLF>.<CRLF>**, or, as a less cryptic description – "FROM and TO information received, now please provide message body and mark its end with **<CRLF>.<CRLF>**"
4.2.0	Timeout communication problem encountered during transmission. This is a Novell GroupWise SMTP error
4.2.1	The SMTP service/server you use has a limit on the number of concurrent SMTP streams your server can use
4.2.2	The recipient's mailbox is over its storage limit OR The size of the message exceeds the recipient's size limits for incoming email
4.3.1	The recipient's mail server is experiencing a Disk Full condition
4.3.2	The recipient's Exchange Server incoming mail queue has been stopped
4.4.1	The recipient's server is not responding
4.4.2	The connection was dropped during transmission
4.4.6	The maximum hop count was exceeded for the message
4.4.7	Your outgoing message timed out.
4.4.9	Routing error
4.5.0	Requested action was not taken – The mailbox was unavailable at the remote end. A secondary SMTP error code may follow "450" to refine the reason for the failure to transmit the message, e.g. "SMTP Error 450".
4.5.1	Requested action aborted – Local error in processing. OR Requested action delayed – Local problem OR <IP_Address> has recently sent spam
4.5.2	Requested action not taken – Insufficient storage.
4.6.5	Code Page unavailable on the recipient server
4.7.1	This is a local error with the sending server and is often followed with "Please try again later"
5.0.0	Syntax error command not recognized.
5.0.1	Syntax error in parameters or arguments (e.g. invalid email address)
5.0.2	Command not implemented
5.0.3	Bad sequence of commands. OR This mail server requires authentication.
5.0.4	Command parameter not implemented.
5.1.0	Bad Email Address
5.1.1	Bad Email Address
5.1.2	The host server for the recipient's domain name cannot be found (DNS error)
5.1.3	Address type is incorrect (most mail servers) OR Relaying denied or Authentication required (a small percentage of mail servers)
5.2.3	The Recipient's mailbox cannot receive messages this big
5.3.0	Authentication is required OR Your server has been blacklisted by the recipient's server OR The recipient's mailbox does not exist
5.4.1	Recipient Address Rejected – Access denied (typically by the recipient's antispam program / appliance)
5.5.0	Requested actions not taken as the mailbox is unavailable. 550 is always a problem external to your own mail server. Usually it is at the recipient's end, but it could also

	originate from inside your own "walls" through being caused, for example, by an appliance which scans your outgoing emails once they've left your server.
5.5.1	User not local or invalid address – Relay denied.
5.5.2	Requested mail actions aborted – Exceeded storage allocation. or Size of the incoming message exceeds the incoming size limit.
5.5.3	Requested action not taken – Mailbox name invalid. OR You are attempting to send emails through a specific ISP's SMTP server without authentication and without being connected to the Internet through that ISP's service. OR You are sending from an Exchange server configured to send via DNS and you do not have a public reverse DNS record pointing back to your Exchange server.
5.5.4	Transaction failed. Nowadays SMTP status 554 is in most cases returned when the recipient server believes your email is spam or your IP address or ISP server has been blacklisted on one or more Internet blacklists. With Yahoo, on the other hand, this usually means the email address does not exist or has been disabled.
5.7.1	Not allowed