

## Understanding Trade Status Codes – Return Code/RETCODE

When we enter/exit/modify our trades, MetaTrader 5 prompts us the trade/order status using return codes (RETCODE).

### What are RETCODE

Think of them as trade status ID number returned by a trade operation.

```
if (myTradingControlPanel.ResultRetcode () == 10008 ) | myTradingContr
{
    Print ("Entry rules: A Buy order has been successfully placed w
}
else
```

Fig 1: Referencing RETCODE using Code ID

```
if (myTradingControlPanel.ResultRetcode () == TRADE_RETCODE_PLACED | |
{
    Print ("Entry rules: A Buy order has been successfully placed w
}
else
```

Fig 2: Referencing RETCODE using a Constant (The effect of this code is the same as the one above). We shall reference RETCODE using Constants for Robot Bella onward.

### How to use RETCODE

The main uses of RETCODE is to check if our trade operation was successful. If it was not, we use RETCODE to find out what the issue was.

There are a few ways to retrieve a RETCODE. At this stage, we use the function ResultRetcode(). See figures above.

Note: This function belongs to the object myTradingControlPanel. We will talk about objects' function in a later chapter on object-oriented programming.

### List of RETCODE

Code: ID number (Fig 1)

Constant: The equivalent of Code, but in string form (Fig 2)

Description: Description

Code	Constant	Description
10004	TRADE_RETCODE_REQUOTE	Requote
10006	TRADE_RETCODE_REJECT	Request rejected
10007	TRADE_RETCODE_CANCEL	Request canceled by trader
10008	TRADE_RETCODE_PLACED	Order placed

10009	TRADE_RETCODE_DONE	Request completed
10010	TRADE_RETCODE_DONE_PARTIAL	Only part of the request was completed
10011	TRADE_RETCODE_ERROR	Request processing error
10012	TRADE_RETCODE_TIMEOUT	Request canceled by timeout
10013	TRADE_RETCODE_INVALID	Invalid request
10014	TRADE_RETCODE_INVALID_VOLUME	Invalid volume in the request
10015	TRADE_RETCODE_INVALID_PRICE	Invalid price in the request
10016	TRADE_RETCODE_INVALID_STOPS	Invalid stops in the request
10017	TRADE_RETCODE_TRADE_DISABLED	Trade is disabled
10018	TRADE_RETCODE_MARKET_CLOSED	Market is closed
10019	TRADE_RETCODE_NO_MONEY	There is not enough money to complete the request
10020	TRADE_RETCODE_PRICE_CHANGED	Prices changed
10021	TRADE_RETCODE_PRICE_OFF	There are no quotes to process the request
10022	TRADE_RETCODE_INVALID_EXPIRATION	Invalid order expiration date in the request
10023	TRADE_RETCODE_ORDER_CHANGED	Order state changed
10024	TRADE_RETCODE_TOO_MANY_REQUESTS	Too frequent requests
10025	TRADE_RETCODE_NO_CHANGES	No changes in requests
10026	TRADE_RETCODE_SERVER_DISABLED_AT	Autotrading disabled by server
10027	TRADE_RETCODE_CLIENT_DISABLED_AT	Autotrading disabled by client terminal
10028	TRADE_RETCODE_LOCKED	Request locked for processing
10029	TRADE_RETCODE_FROZEN	Order or position frozen
10030	TRADE_RETCODE_INVALID_FILL	Invalid <a href="#">order filling type</a>
10031	TRADE_RETCODE_CONNECTION	No connection with the trade server
10032	TRADE_RETCODE_ONLY_REAL	Operation is allowed only for live accounts
10033	TRADE_RETCODE_LIMIT_ORDERS	The number of pending orders has reached the limit

10034	TRADE_RETCODE_LIMIT_VOLUME	The volume of orders and positions for the symbol has reached the limit
10035	TRADE_RETCODE_INVALID_ORDER	Incorrect or prohibited <a href="#">order type</a>
10036	TRADE_RETCODE_POSITION_CLOSED	Position with the specified <a href="#">POSITION_IDENTIFIER</a> has already been closed
10038	TRADE_RETCODE_INVALID_CLOSE_VOLUME	A close volume exceeds the current position volume
10039	TRADE_RETCODE_CLOSE_ORDER_EXIST	A close order already exists for a specified position. This may happen when working in the hedging system: <ul style="list-style-type: none"> <li>• when attempting to close a position with an opposite one, while close orders for the position already exist</li> <li>• when attempting to fully or partially close a position if the total volume of the already present close orders and the newly placed one exceeds the current position volume</li> </ul>
10040	TRADE_RETCODE_LIMIT_POSITIONS	The number of open positions simultaneously present on an account can be limited by the server settings. After a limit is reached, the server returns the TRADE_RETCODE_LIMIT_POSITIONS error when attempting to place an order. The limitation operates differently depending on the position accounting type: <ul style="list-style-type: none"> <li>• Netting - number of open positions is considered. When a limit is reached, the platform does not let placing new orders whose execution may increase the number of open positions. In fact, the platform allows placing orders only for the symbols that already have open positions. The current pending orders are not considered since their execution may lead to changes in the current positions but it cannot increase their number.</li> <li>• Hedging - pending orders are considered together with open positions, since a pending order activation always leads to opening a new position. When a limit is reached, the platform does not allow placing both new market orders for opening positions and pending orders.</li> </ul>

Source: [https://www.mql5.com/en/docs/constants/errorwarnings/enum\\_trade\\_return\\_codes](https://www.mql5.com/en/docs/constants/errorwarnings/enum_trade_return_codes)