

Values (Communication Stations)

Values of communication stations

An object of [Station](#) type can acquire the following values in the D2000 system:

| Object value | Description |
|--------------|---|
| StON | The station is communicating. |
| StOFF | The station is not communicating. The communication is disabled by the operator (via control dialogues of the D2000 HI process) or in the station configuration in the D2000 CNF process. |
| StCOMERR | The occurrence of a "soft" error of communication. This error occurs after unsuccessful data transmission. |
| StHARDERR | The occurrence of a "hard" error of communication. This error occurs if the communication with the station is in the StCOMERR state for a period defined by a Time filter parameter. If the station value is StHARDERR, then all the I/O Tags of the station will pass to an undefined state (unless a /KKVOE start parameter is specified). |
| StSIMUL | Communication with the station is simulated. |
| StWAIT | The station is in AUTO mode. The communication is stopped. The control object value is TRUE. The requests for output are postponed and they will be executed when the control object value changes to FALSE. |

Labels of station values, which are mentioned in the first table column, can be redefined by means of the [configuration of system texts](#).

Meaning of individual flags (user attributes) of the values of **Communication station** type objects.

| Flag | Meaning |
|---------------|---|
| FLA | Backward reading of communication station values (GETOLDVAL action) |
| FLB | Communication with a station goes via an alternate communication path (MICROTEL 700 and OPC UA Data Access Client protocols only). |
| FLC | This flag signalizes the non-functional communication on the primary path when using these line categories: <ul style="list-style-type: none">Serial Line RedundantSerialOverUDP Device RedundantSerialOverUDP Line RedundantSerialOverUDP System&Line Redundant (non-functional primary path of A system)TCP Redundant |
| FLD | This flag signalizes the non-functional communication on the secondary path when using these line categories: <ul style="list-style-type: none">Serial Line RedundantSerialOverUDP Device RedundantSerialOverUDP Line RedundantSerialOverUDP System&Line Redundant (non-functional secondary path of A system)TCP Redundant |
| FLE | This flag signalizes the non-functional communication on the primary path of the B system when using the line category SerialOverUDP System&Line Redundant . |
| FLF | This flag signalizes the non-functional communication on the secondary path of the B system when using the line category SerialOverUDP System&Line Redundant . |
| FLN, FLO, FLP | <p>If the communication with a station goes via an alternate communication path (MICROTEL 700 and OPC UA Data Access Client protocols only), a combination of these flags indicates the number of the alternate communication path:</p> <ul style="list-style-type: none">alternate path 1 - FLNalternate path 2 - FLOalternate path 3 - FLN, FLOalternate path 4 - FLPalternate path 5 - FLN, FLPalternate path 6 - FLO, FLPalternate path 7 - FLN, FLO, FLPfurther paths - none of these flags (only FLB) <p>Note: in the case of the OPC UA Data Access Client protocol, the first IP address specified in the line configuration is considered as the main communication path, all other IP addresses are considered as alternate communication paths.</p> |



Related pages:

[Communication stations](#)

[Communication stations - configuration dialog box](#)