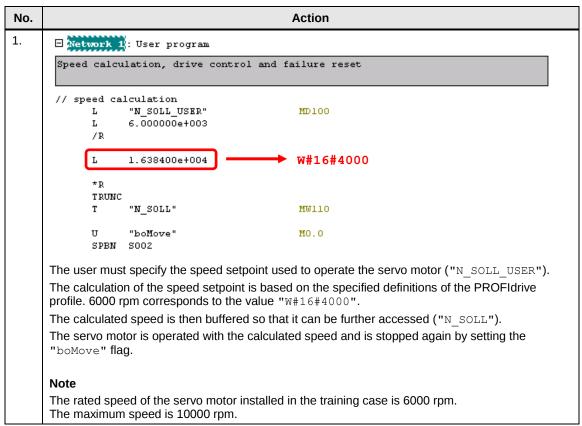
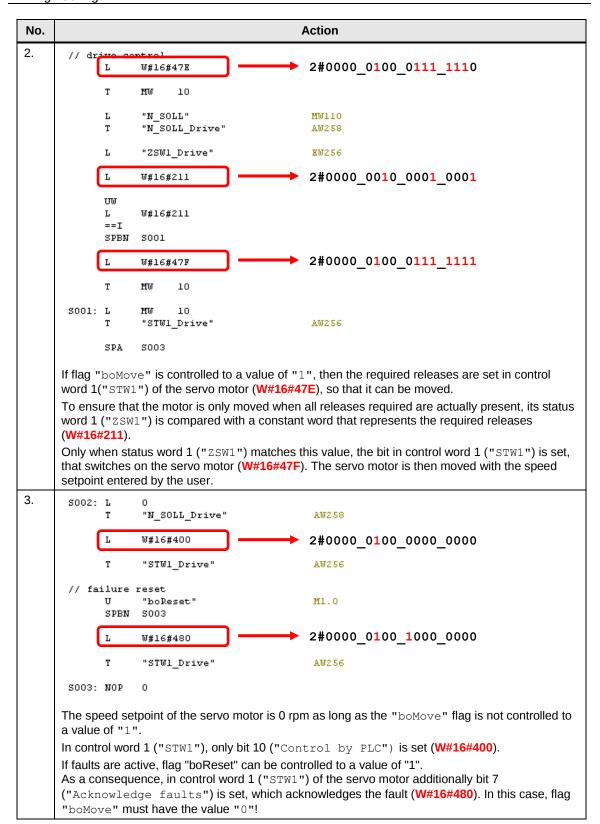
2.4 Controlling the servo motor

In the sample project, the cyclic communication between SIMATIC CPU and SINAMICS drive is implemented in OB1. The OB1 contains the user program subsequently described.

Table 2-7 Control of the servo motor





Note

The structure of the relevant (standard) telegram (i.e. STW1, NSOLL_B, etc.) is defined in the PROFIdrive profile. You can find further information about this at the following link:

SINAMICS S120 / S150 List Manual (Chapter 2.9)

Note

The following addresses are used in the sample project to control the SINAMICS drive:

- AW 256 Control word 1 ("STW1")
- AW 258 Speed setpoint ("NSOLL B")
- EW 256 Status word 1 ("ZSW1")

Slot	Module	Order number	I Address	Q address	Diagnostic Address
0	SINAMICS-5120-CU310-2PN	65L3 040-1LA01-0AAx			8175°
X150	FN-10				8174"
X150 F1 R	Port 1				8173"
X150 F2 R	Port 2				8172"
1	DO SERVO				8171*
7.7	Module Access Foint				8171"
1.2					_
1.3	Standard Telegramm 1, P [∞]		256259	256259	
1.4					
2	DO Control Unit				8170*
21	Module Access Point				8170°
22	ohne PROFisale				8169"
2.3	SIEMENS Telegramm 390, ~		260263	260263	