

2.4.2 Improved link behavior during commissioning

Starting situation

The IM 153-2BAx2 interface modules are installed in one link and should be operated redundantly in an H System (e.g., SIMATIC S7-400H).

Behavior of IM 153-2BAx2

If the IM 153-2BAx2 detects a redundancy partner that is not ready to be switched to or if there are no lower-level slaves, the interface module stops sending continuous diagnostic messages.

This behavior can also be implemented for the following interface modules by means of a firmware update:

- IM 157 (6ES7157-0AA82-0XA0)
- IM 153-2 (6ES7153-2BAx1-0XB0)

This "new" behavior of the IM 153-2BAx2 is not available for redundancy mode in accordance with the standard.

2.4.3 Which devices can be operated behind the Y Link?

Slaves at the lower-level DP master system cannot be operated in DPV1 mode unless they have been integrated and configured with GSD rev. ≥ 5 .

The GSD must contain the following entries:

- Prm_Block_Structure_supp=1
- PrmCmd_supp=1
- Slave_Redundancy_supp=1

STEP 7 checks these entries during configuration.

If these entries are not found, the slave is then operated in DPV0 mode.