1 New Version of the Operating System

- CPU OS version 6.46 for **HIMatrix** controllers and remote I/O devices of the **HIMatrix** system family

2 Revisions

The problematic situations described here only occur as very rare exceptions.

2.1 Improved Diagnostic Messaging when a Severe Error Occurs

If the supply voltage drops while a severe error is detected, it is possible that the operating system cannot store any information in the diagnostic history. After automatically rebooting the controller, the diagnostic information is entered using the stored signature.

The operating system could store the same information two times in the diagnostic history (with different time specifications).

2.2 Triggering of the Watchdog due to Supply Voltage Drop

In the previous versions, if the supply voltage dropped, the following behavior could occur: with specific voltage characteristics, the watchdog could be triggered before the reset due to undervoltage was activated. For this reason, the controller had to be restarted manually.

In the new version, the behavior described above has been improved such that triggering of the watchdog is tolerated and the controller can restart automatically.