

## Direct teach check (DTC)

- Safety goal

Table 1 Safety goal for the Direct teach check

| Safety Function                        | Direct teach check (DTC)                                                                        |
|----------------------------------------|-------------------------------------------------------------------------------------------------|
| Safe State                             | STO state: Turn off the torque applied to the motor.<br>SOS state: Robot stop state monitoring. |
| Mean time to dangerous failure (MTTFd) | 10 years < MTTFd < 30 years                                                                     |
| Diagnostic Coverage Average (DCave)    | DCave > 90%                                                                                     |
| Common Cause Failure (CCF)             | Score : 65 or better                                                                            |
| Safety function Response time (SRT)    | 930ms(Max)                                                                                      |

- Function description

This function checks the movement of the robot during direct teaching.

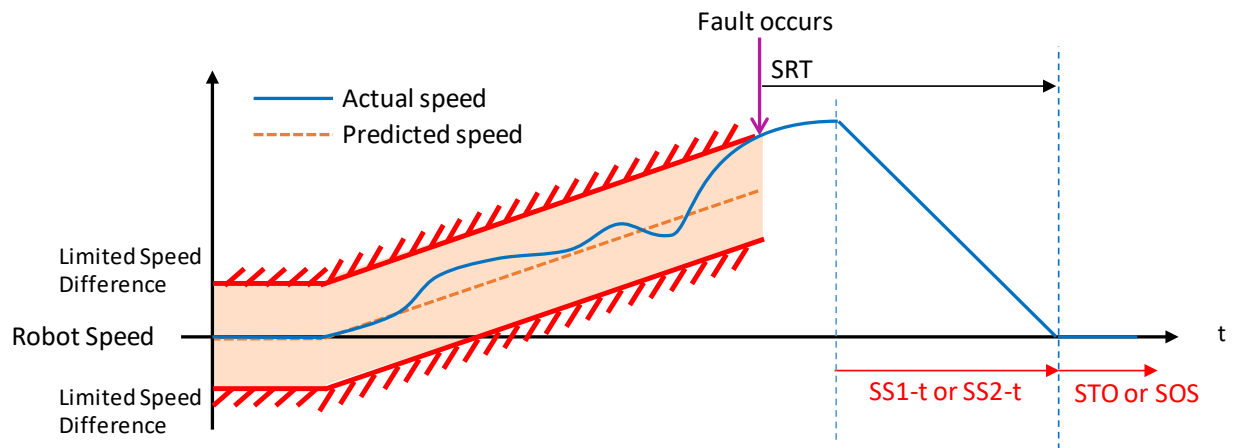


Fig.1 Safety function response time of Direct teach check