

# **IO-Link**

## **Specifications Validity Periods**

**August 2025**

**Order No: 10.312**

# Specifications Validity Periods

## Purpose

This document is part of the IO-Link Product Quality Policy. The document provides an overview of available IO-Link specifications and rules their current status of validity within the life cycle.

The document is intended as a reference for IO-Link requirements in regards to product definitions, developments and qualifications.

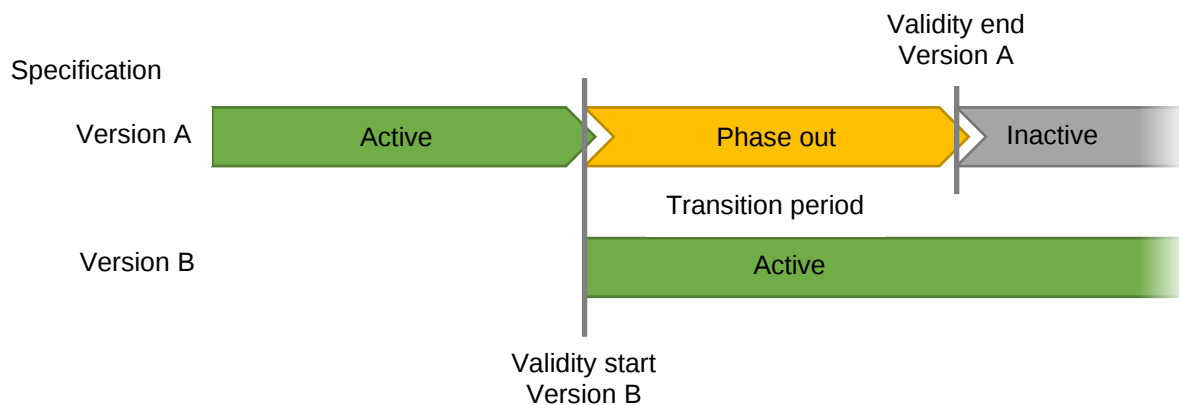
## Rules

Changes to previous document version are marked in **yellow**.

## Definition of Status

| Status    | Description                                                                                                                                                                                                                                                                                  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Active    | The specification is released and shall be the base for product developments and qualification.                                                                                                                                                                                              |
| Phase out | A new version of this specification is available. Product developments should be based on the new version, marked as 'Active'. After expiration of the specification defined by the date at 'Validity end', it is not permitted to release new products based on this specification version. |
| Inactive  | A newer version of this specification is available. It is not permitted to release new products based on this specification version.                                                                                                                                                         |

## Validity periods



## Specifications Validity Periods

### IO-Link Base Specification Packages

| Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Validity start                                                                          | Status    | Validity end |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------|--------------|
| <b>Package 2015 &amp; Corrigendum</b> <ul style="list-style-type: none"> <li>Corrigendum &amp; Package 2015</li> <li>IO-Link Interface and System Specification V1.1.2</li> <li>IO-Link Test Specification V1.1.2</li> <li>IO-Link Test Specification CorrVersion V1.1.2</li> <li>IO Device Description Specification V1.1</li> <li>IO-Link Device Description Specification V1.0.1 <small>Note)</small></li> <li>IO-Link Manufacturer Declaration V1.1.2 Mar. 2024</li> </ul> | Feb. 2016<br>Jul. 2013<br>Jul. 2014<br>Feb. 2021<br>Aug. 2011<br>Mar. 2010<br>Mar. 2024 | Inactive  | 2023-12-31   |
| <b>Package 2020 &amp; Corrigendum</b> <ul style="list-style-type: none"> <li>Corrigendum &amp; Package 2020</li> <li>IO-Link Interface and System Specification V1.1.3</li> <li>IO-Link Test Specification V1.1.3</li> <li>IO Device Description Specification V1.1.3</li> <li>IO-Link Device Description Specification V1.0.1 <small>Note)</small></li> <li>IO-Link Manufacturer Declaration V1.1.3 Jan. 2022</li> </ul>                                                      | Feb. 2021<br>Jul. 2019<br>Jan. 2021<br>Jan. 2021<br>Mar. 2010<br>Jan. 2022              | Phase out | 2025-09-30   |
| <b>Package 2024</b> <ul style="list-style-type: none"> <li>IO-Link Interface and System Specification V1.1.4</li> <li>IO-Link Test Specification V1.1.4</li> <li>IO Device Description Specification V1.1.4</li> <li>IO-Link Device Description Specification V1.0.1 <small>Note)</small></li> <li>IO-Link Common Profile Specification V1.2</li> <li>IO-Link Manufacturer Declarations V1.1.4 Sep. 2024</li> </ul>                                                            | Sep. 2024<br>Sep. 2024<br>Sep. 2024<br>Mar. 2010<br>Sep. 2024<br>Sep. 2024              | Active    |              |

Note): Use for backward compatibility to IO-Link V1.0 devices only

### IO-Link Profiles

| Specification                                                      | Validity start | Valid with Package |
|--------------------------------------------------------------------|----------------|--------------------|
| <b>Common Profile</b>                                              |                |                    |
| IO-Link Common Profile Specification V1.0                          | Jul. 2017      | 2015               |
| IO-Link Common Profile Specification V1.1                          | Dec. 2021      | 2020               |
| IO-Link Common Profile Specification V1.2                          | Sep. 2024      | 2024               |
| <b>Firmware Update</b>                                             |                |                    |
| IO-Link Profile BLOB Transfer & Firmware Update Specification V1.1 | Sep. 2019      | 2020               |
| IO-Link Profile BLOB Transfer & Firmware Update Specification V1.2 | Sep. 2024      | 2024               |
| <b>Smart Sensor Profile</b>                                        |                |                    |
| IO-Link Smart Sensor Profile Specification V1.0                    | Oct. 2011      | 2015               |
| IO-Link Smart Sensor Profile Specification Ed. 2 V1.0              | Mar. 2017      | 2015               |
| IO-Link Smart Sensor Profile Specification Ed. 2 V1.1              | Sep. 2021      | 2020               |
| IO-Link Smart Sensor Profile Specification Ed. 2 V1.2              | Jan. 2024      | 2024               |

## Specifications Validity Periods

### IO-Link Safety System Extensions

| Specifications                                                                                                                                                                                                                                                                                                                                                       | Validity start                                                | Valid with Package |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|
| <ul style="list-style-type: none"><li>IO-Link Safety System Extensions with SMI Specification V1.1</li><li>IO-Link Safety System Extensions with SMI Specification V1.1.3</li><li>IO-Link Safety – Test &amp; Assessment V1.1</li><li>IO-Link Safety System Extensions with SMI Specification V1.1.4</li><li>IO-Link Safety – Test &amp; Assessment V1.1.4</li></ul> | Apr. 2018<br>Mar. 2022<br>Mar. 2022<br>Sep. 2024<br>Sep. 2024 | 2024<br>2024       |

Note): Inactive, no transition period

### IO-Link Wireless System Extensions

| Specifications                                                                                                                                                                                                                             | Validity start                      | Valid with Package       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| <ul style="list-style-type: none"><li>IO-Link Wireless System Extensions Specification V1.1</li><li>IO-Link Wireless System Extensions Specification V1.1.3</li><li>IO-Link Wireless System Extensions Test Specification V1.1.3</li></ul> | Mar. 2018<br>Jun. 2022<br>Jun. 2023 | 2020, 2024<br>2020, 2024 |

### IO-Link Integration

| Specifications                                                  | Validity start | Valid with Package |
|-----------------------------------------------------------------|----------------|--------------------|
| OPC UA for IO-Link Companion Specification Release 1.0<br>Note) | Dez. 2018      | 2015, 2020, 2024   |
| JSON Integration for IO-Link V1.0.0                             | Mar. 2020      | 2015, 2020, 2024   |

Note): Specification management by OPC Foundation

### IODD-Checker

| Version                                                       | Valid with Package |
|---------------------------------------------------------------|--------------------|
| IODD-Checker V1.1.13 R1                                       | 2024               |
| IODD-Checker V1.1.11 R1                                       | 2020               |
| IODD-Checker V1.1.4 R3                                        | 2015               |
| IODD-Checker V1.0.13, for IO-Link V1.0 backward compatibility |                    |