Inxpect Safety application Release Notes

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Revision	***Author***	***Date***	***Notes***
v01	S. Coccoli	02/05/2022	First issue
v02	M. Tomasoni	15/07/2022	Update with new ISA release
v03	M. Tomasoni	29/07/2022	Update with new ISA release
v04	B. Treachi	04/08/2022	Small changes
v05	M. Tomasoni	15/09/2022	Update with new ISA release
v06	M. Tomasoni	28/10/2022	Update with new ISA release
v07	M. Tomasoni	15/11/2022	Update with new ISA release
v08	B. Treachi	11/01/2023	Update with new ISA release
v09	B. Treachi	21/03/2023	Update with new ISA release
v10	B. Treachi	05/06/2023	Added new 2.7.x version for new products
v11	B. Treachi	19/06/2023	Small changes
v12	B. Treachi	14/07/2023	Fix S101A firmware upgrade via USB
v13	B. Treachi	19/07/2023	Bug fix in Node ID assignment
v14	B. Treachi	24/07/2023	Bug fix: lost configuration
v15	M. Tomasoni	23/08/2023	Add that now the minimum supported is Windows 10
v16	M. Tomasoni	08/09/2023	Update with new ISA release
v17	M. Tomasoni	13/09/2023	Update with new ISA release
v18	M. Tomasoni	22/09/2023	Update with new ISA release
v19	M. Tomasoni	13/10/2023	Update with new ISA release

v20	M. Tomasoni	29/11/2023	Update with new ISA release
v21	M. Tomasoni	07/03/2024	Update with new ISA release
v22	B. Treachi	02/07/2024	Update with new ISA release
v23	B. Treachi	23/10/2024	Update with new ISA release
v24	B. Treachi	18/11/2024	Update with new ISA release
v25	B. Treachi	20/12/2024	Update with new ISA release
v26	M. Tomasoni	13/01/2025	Update with new ISA release
v27	M. Tomasoni, B. Treachi	28/02/2025	Update with new ISA release
v28	B. Treachi	11/03/2025	Update with new ISA release
v29	M. Tomasoni	09/05/2025	Update with new ISA release
v30	M. Tomasoni	30/05/2025	Update with new ISA release
v31	M. Tomasoni	01/10/2025	Update with new release (v2.9.7)
v32	M. Tomasoni	16/10/2025	Update with new release (v2.9.11)
v33	M. Tomasoni	21/10/2025	Update with new release (v2.9.12)
v34	M. Tomasoni	13/11/2025	Update with new release (v2.9.14)
v35	M. Tomasoni	27/02/2026	Update with new release (v2.9.17)
v36	M. Tomasoni	09/07/2026	Update with new release (v2.9.21)
v37	M. Tomasoni	29/09/2026	Update with new release (v2.9.30)

Revision	***Approved by***	***Date***
v37	B. Treachi	01/10/2026

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1. Scope

The scope of this document is to provide the release notes of the Inxpect Safety application providing all the release history.

2. History Releases

Revision	Description
V2.9.30 (29/09/2026)	Changes - **Add support for new application type value: Top-down safeguard** - **Include new FW update for the communication interface v1.2.13** - Fix FOV vertical offset for S203 variants - Restore missing sensor info in the event log - RCS Analyzer: increase debug logging (when using the DEBUG version of the app) - Fix uninitialized parameter in the login response - Fix crash when setting detection distance to zero - Fix crash in the Node ID Assignment page when all the sensors had been removed
V2.9.17 (25/02/2026)	Changes - Fix wrong system type when loading a backup from the first start wizard - Stop the first start wizard if the user is trying to load an invalid backup file - Add Serbian certification for S201A in the Regulatory page - Add Singapore certificate for S203A - Rename RCS Reader Tool -> RCS Analyzer - Fix positioning of Tilt label in anti-tampering page - Fix bug with simulator templates for S100 sensors - Fix: user list not erased correctly during the factory reset - Fix: control unit not usable after FW upgrade followed by a power cycle
V2.9.14 (13/11/2025)	Changes - **Removed Taiwan as a selectable country** - **Fix bug loading old backups created with v2.8.x** - **Fix connection and update for C203A models with CP2130 interface**
V2.9.12 (21/10/2025)	Changes - **Fix recovery procedure from control unit boot condition** - **Fix first start wizard once 200 Series is selected**
V2.9.11 (16/10/2025)	Changes - **Fix error during the Sensor Model phase of the first start wizard** - **Fix missing FW update notification for 2.1.0 -> 2.1.1** - **Check FOV limits for *Surface moisture robustness*** - **Rename label “Ethernet interface” to “Communication interface” as it is used also for USB communication and show the version also for C203 models** - **Update RCS Reader to v01.14.00 with proper support for S200 sensors with FW 5.1** - Show Control Unit Line in Settings General and validate the value according to the FW release

Revision	Description
	- Show if the Surface moisture robustness is enabled in the dashboard - Allow saving event logs to folders with non-ascii characters
V2.9.7 (01/10/2025)	**Official Release 9** Changes - **Support for control units with FW v2.0.1 and v2.1.1** - **Support for S200 sensors with FW v5.1** - **Embed Ethernet FW update v1.2.11** - **solves specific issues with firmware upgrade** - **Embed control unit FW upgrade to v2.0.1 for control units with FW v2.0.0** - **Embed control unit FW upgrade to v2.1.1 for control units with FW v2.1.0** - **Remove support for products with FW older than 2.0.0** - Fix validation of SCID Date - Add support for Surface moisture robustness - Implement automatic FW downgrade in the first start wizard if the user wants to use S100 sensors with CU FW 2.0.1 or 2.1.1 - Remove expired LBK-S01 and S101 certification for Argentina - Update regulatory page with new certifications for S201A and S203A in UAE and Argentina - Review simulator profiles with current features for sensors, like STOD for S201A sensors - Improve “Control unit recovery” procedure (when a FW update fails) - Update axis references for anti-tampering in line with manuals and Inxpect Safety Studio - Remove obsolete feature Environmental Robustness 2
V2.8.130 (30/05/2025)	Changes - Fix bug with corrupted FSOE parameters - Improve sensor discovery when using ethernet connection
V2.8.128 (20/05/2025)	Changes - Improve alert messages and other improvements for Environmental Robustness - **Embed new ETH FW update v1.2.2**: fix System recondition with SD Card and disconnected sensors - Recognize new control unit models - Improve error management for sensors debug info function - Improve synchronization for STOD state during validation - Improve management of sensors not connected or not allowed - Remove simulator templates for non-existent control unit model - Review the configuration report so that text will not overlap - Fix SIL2 / PLd performance warning in the configuration report - Fix inverted Hardware/Firmware label in configuration report - Fix crash adding S100 series sensors in simulator mode - Fix and improve validation for S100 series sensors
V2.8.123 (11/03/2025)	Changes - Minor changes
V2.8.122 (28/02/2025)	Changes - Add Taiwan certification for S201A

Revision	Description
V2.8.121 (13/01/2025)	Changes - Add South Africa certification for S203A - Update translations for Chinese, German, Italian
V2.8.120 (20/12/2024)	Changes - Updated Environmental Robustness (now v2)
V2.8.112	**Official Release 8** Changes - **Support for control unit firmware v2.1.0** - Add stop signal debounce filter - Add non safe Detection Signals - **Remove limitation to 1 Dynamic Configuration for 9 m range systems for CUs with FW2.1.0** - Allow unsafe Restart Timeout < 4000 ms - Change default masking sensibility from HIGH to LOW - Add new Environment Robustness option - Allow backup creation for Expert users - Allow sensor type choice in Simulator Mode - Improve Device Discovery - Update RCSReader to v01.08.00 - **Support configuration of CIP Safety fieldbus** - Performance upgrade and bugfixes - Small changes
V2.7.214 (22/10/2024)	Changes - Add new Environmental Robustness option - Allow unsafe Restart Timeout < 4000 ms - Allow backup creation for the “expert” user - Add a button to reload the NodeID page when adding a new sensor in simulator mode, allow to choose the sensor model-type

V2.7.108
(02/07/2024)
	Changes
	
	- Manage new ISED for Canada:
	  - Add option in the first start wizard for control units with at least FW 2.0 (older versions will maintain the usual options)
	  - Add a section in Advanced to force the backward compatibility mode (RP) for sensors with the new ISED.
	  - update regulatory page for new ISED Canada
	- Add check on the FCC radio profile at every configuration load
	- Allow backup creation for Expert user
	- Fix bug: Validation page delay
	- Fix Dynamic Configuration Checksum calculation

V2.7.101 (07/03/2024)	Changes

Revision	Description

	- Manage new FCC ID for USA:
	  - Add option in the first start wizard for control units with at least FW 2.0 (older versions will maintain the usual options)
	  - Implement fallback to RP during first start wizard if at least a sensor without the capability is found (except for long range sensors that were never allowed in USA/Canada)
	  - Add section in Advanced to force the backward compatibility mode (RP) for sensors with the new FCC ID
	  - update regulatory page for new FCC-ID

V2.7.66 (06/03/2024)	Changes - Fix bug: swap device with different password - Add option to Reset Node ID assignments also when loading a backup in the wizard - Fix handling of backup files from different fieldbuses - Update regulatory page - Improve USB device discovery - work with the TIVA USB implementation
V2.7.62 (29/11/2023)	Changes - Align the encoded channel table with the FW code - Re-enable the wizard procedure to recovery a control unit stuck in boot mode - Ignore printer errors in the generate PDF functionality
V2.7.61 (13/10/2023)	Changes - Bugfix: corridors no longer force the FOV width to 100 when the detection distance is over 5m for long range sensors
V2.7.59 (21/09/2023)	Changes - Fix hang that happened under specific conditions when restoring from a backup - Change range for FSoE parameters to 1-65534 - Disable single channel input function "Fieldbus controlled" for control units without fieldbus - Fix change fieldbus params in simulator mode
V2.7.58 (13/09/2023)	Changes - Update translations (EN/IT/DE/ZH)
V2.7.57 (08/09/2023)	Changes

Revision	Description

	- Fix bug: backup and restore long range sensors lose Japan country support
	- Improve hints when creating a new username
	- Add the current user name in the configuration report and review the layout
	- Reduce verbosity of error messages when swapping sensors
	- Warn that the cfg has changed after adding/editing users
	- In configuration log: include items generated by the control unit, such as SD commit or factory reset
	- Silence CAN errors generated in the first 30s after boot in the event log
	- Update regulatory page
	- Add a cancel button to the password change page
	- Add button to show password near the password fields
	- Propose a default name for the file save dialogs (Log download, Commit report, Backup, Layout save, etc)
	- Update RCS Reader to v01.06.00
	  - Synchronize display language with main application
	  - Fix angle visualization
	  - add Chinese translation
	- Fix debug log path link in DEBUG version
	- [OSX] Migrate to the latest notarization tool
	- Minor changes and bug fixes

V2.7.55 (24/07/2023)	<u>Changes</u> - Fix bug: lost configuration with page switches
V2.7.54 (19/07/2023)	<u>Changes</u> - Update FW with Ethernet v1.1.6 - Fix bug: occasionally a Node ID assignment could make the sensors lose their configuration
V2.7.53 (14/07/2023)	<u>Changes</u> - Fix S101A firmware upgrade via USB - Update FW with Ethernet v1.1.5 - Fix small bug in Validation page - Fix small bug in First Start Wizard - Fix spanish translation for 100 Series - Refresh system status after changing the user - Fix split output channels showing #1 for both - Minor changes and bug fixes
V2.7.52 (19/06/2023)	<u>Breaking changes</u> - The minimum requirement is now Windows 10 <u>Changes</u> - Disable factory reset for service user - Fix error when loading cfg with invalid expected sensor model-type - Show the actual corridor value when the set value is larger than the physically possible - Fix error with simulator version and 100 Series - Fix error when opening Admin pages - Fix commit with 32 dynamic configurations - Update FW with Ethernet v1.1.3 - Minor changes and bug fixes

Revision	Description
V2.7.49 (05/06/2023)	**Official Release 7** Changes - Support connection to control units FW V2.0.0 - Support for C20xB - Support S201A variants with FW 5.0 - Support S203A variants - Update RCS Reader to v01.05.00 - Add embedded FW update for v2.0.0 - Update translations - CU Feature: Category 2 digital inputs - CU Feature: Electromagnetic robustness level - CU Feature: ST.O.D. sensitivity - CU Feature: detection field groups - CU Feature: digital input logic (coherent, inverted or encoded channel) - CU Feature: SD Card Backup & Restore - CU Feature: FSoE params - Multi-user management - Add Admin section with a new fw update page - New procedure to add sensors and improve automatic node ID assignment - Remove redundant warnings when sensor type is not supported by the current FW release - Show the Model-Type in the sensor discovery list, when available - Validation: add options to show only a subset of the sensors for better readability of the drawing - Mixed systems support (S201A + S201A-W + S203A-W, or S201A-MLR + S201A-WL + S203A-WL) - Support for Advanced FOV for S20x variants with FW 5.0 - Limit the number of dynamic configurations to 1 when using long range sensors in stationary application type - Remove always-on restart prevention for 200 Series sensors - Fix min depth for all 200 Series sensors to 200mm - Minor changes
V2.6.44 (21/03/2023)	Changes - Simulator mode: bug fixes
V2.6.42 (11/01/2023)	Changes - Restored *Application Type* choice even when the country is USA/Canada - Small improvements and bug fixes in Simulator Mode - Minor changes
V2.6.40 (15/11/2022)	Changes - Updated Regulatory Certifications page
V2.6.38 (28/10/2022)	Changes - Fix error message containing the sensor model code instead of the proper name - Fix error message about sensor SID when restoring a backup - Improve handling of control unit reboot during the First Start Wizard - Add confirmation dialog for RCS Threshold
V2.6.32	Changes

Revision	Description
	- Add OSSD diagnostics in the I/O page - Update Chinese translations - For S201A sensors, remove the Application Type choice when the country is USA/Canada - Minor changes and bug fixes
V2.6.31	Changes - Fix S101A upgrade/downgrade buttons in FR/DE/ES which used the same translation - Change description for Labels page to MODBUS Labels - Use CID for ISC-03 instead of NID - Move message after restore to the top of the page - Add Regulatory Certifications page
V2.6.26	Changes - Update RCS Reader to 01.01.03 - Disable RCS Reader when the user is not logged in - Disable the upgrade wizard from FW 1.1.0
V2.6.25	**Official Release 6** Changes - Support for C20x v1.6.0 and S201A-MLR - Improve security features - Improve connection speed - Removed Update wizard from 1.1.0 - Change Detection Fields colors for better differentiation - Add option to start from backup in first start wizard
V2.5.18	Changes - Minor changes
V2.5.17	Changes - Recognize SBV-01-MLR and block commit with FW < 1.6.0 (but only if the sensor is connected) - Improve security
V2.5.13	Changes - Improve first start wizard - Improve security and remove sensible information from the build - Implement recovery from controller in boot - Do not require to apply changes for the set node id procedures - Do not include Mexico in the list of countries with Reduced Power requirements (only applicable to S200 sensors)
V2.5.7	**Official Release 5**
V2.4.18	Bug fixing - Embedded upgrade FW package of ISC FW V1.4.0 and Ethernet interface

Revision	Description
	V1.0.8 added. - Minor changes and graphics improvements.
V2.4.11	Official Release 4
V2.3.1	Official Release 3
V2.2.2	Official Release 2
V2.0.2	Official Release 1