

# SmartPlant Instrumentation Update

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**NOTE:** This document is designed to communicate a perspective of likely R&D prioritization based on the current indicators of client demand. It will change both in scope and timing in response to industry demand, which is quite dynamic. Intergraph retains all decision rights as to what will be included in a particular release, and does not make binding commitments outside of a written commercial contract.

## Next Planned HF

## Next Planned Point Release

## Next Planned Major Release

### Currently Planned Scope

- HF-120649, 120473 and 120039 – DCS integration in file mode
- HF-121545 – SPI Setup not to break SPP&ID installation
- HF-119268 – Custom cable cross-wiring claim and merge (O/O mode)
- HF-121360 – ESL: Show not connected wire of cable
- HF-121086 – Certain rules can fail
- HF-120442 and 121302 – Document binder issues
- HF-120853 – Custom page specification revisions
- HF-121171 – Error in Document selection wizard
- And more

### Currently Planned Scope

- CR-98152 – Enhance ESL access rights
- RI-107906 – Improve Upgrade and Hot Fix delivery mechanism
- CR-80542 and others – Macro expansion from SP P&ID, Typical entity and batch loop creation management in SPI
- CR-56829 – Option to recover after failure of Spec binder revision
- CR-84213 – Unit, area and plant UDF's on ESL title block
- CR-102415 – Support loop and Hook-up generation on AutoCAD 2009, 2010 and 2011
- CR-110916 - Document binder revs on PST ESL report
- CR-112171 – Expand DDP library for SP3D
- And more

### Currently Planned Scope

- CR-78416 – Develop Custom Browser wizard
- CR-69094 – Calculations to support ISO-5167-2003
- RI-100856 – Add missing UOM's
- RI-84114 – Enhanced DbChecker
- CR-73914 – Develop Logic diagramming capability
- RI-102537 – Support wireless instrumentation design
- RI-111126 – Remove dependency on InfoMaker
- RI-72770 – Improve access rights management
- CR-75058 – Ability to modify KKS classification
- And more

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- Current version: v.2009 SP2 (Released December 2010)
- Next release: v.2009 Service Pack 3, main objectives are:
  - Develop Macro expansion from SPP&ID
  - New upgrade and Hot Fix delivery mechanism
  - Support multiple lines per instrument (with integration with SPP&ID and SP3D)
  - Integration fixes and enhancements
  - Additional enhancements
  - Maintain the robustness of the product achieved in v.2009
- After next releases:
  - V.2009 SP4
  - V.2013 planned for H2 2012; will include support for Oracle 11
  - V.2013 R1 for new functionality (Browser Wizard, Control & Logic Diagrams, etc) and continued customer issues resolution (TR's).

- Support new infrastructure platforms (Windows 2008 server, MS SQL 2008, Windows 7 client)
- As Built improvements and fixes
- Improved composite specifications management
- Area and Unit note length to be increased to allow for full length retrieval from SPF (when retrieving PBS)
- KKS – changed cable numbering uniqueness validation logic from hardcoded to rule driven and configurable (using the Rule manager)
- Enhanced Telecom and general wiring functionality delivering: new Telecom Explorer tree schema, Plug & Socket Wiring Equipment Wizard and ability to include WE as separate objects on the Cable Block Diagrams (CBD)
- Improved document binder reporting capabilities for included ESL and regular wiring reports
- Symbol Batch association for different entities

- RI-107906 – Changes to the upgrade and Hot Fix delivery mechanism
- CR-102415 - AutoCAD 2009, 2010 and 2011 supported (as well in HF for v.2009 SP2)
- CR-98152 - Access rights enhancement within ESL – users without the ability to save to the Layout can still assign loops to a layout.
- SPI framework evolution – changes to the infrastructure bringing more stability and new look and feel of the UI
- Ability to save files from InfoMaker v.12 to be used in v.2007.x and v.2009.x (availability late summer 2011)
- CR-80542 - Handle macro expansion between SPPID and SPI including revamp of the Typical Loop mechanism (including CR-60697 – Typical tags and Loop shown in Reference Explorer) and management of different tag classes as typical loops/macros
- CR-115160 – Resolve issues with the presentation of the nested objects in the ESL in custom mode (regression in v.2007/2009)

- CR-121696 - Documentation on SmartPlant Schema Configuration Wizard
- CR-56829 – Option to recover after failure of the Spec Binder revision process.
- CR-84213 – Plant, area and unit UDF's available on ESL titleblocks.
- CR-104462 – Create electrical signals automatically when retrieving P&ID from the SPPID
- CR-110916 – Ability to see Document Binder information on panel strip reports in ESL.
- CR-112171 – Expand and synchronize SP3D and SPI DDP libraries
- CR-115785 – API to support Loop Specification
- CR-117561 – Support Microsoft Office 2010
- CR-117615 – Telecom::Panel patch wiring for plug & socket cables
- CR-110532 – Cable display is optimized in ESL reports.

## Next release features (planned)

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Plans for the next release are still being discussed but will likely include

- Integration enhancements and fixes
- Browser Wizard
- Develop control logic diagramming capability
- NE-100 integration (through standard SPF integration mechanism)
- Customizable Process Datasheets (forms)
- As Built enhancements/fixes
- Add separate access rights to Instrument Index supporting tables.

And other features.

# Integrating the Engineering Enterprise

