

SmartPlant Instrumentation Technical User Forum P2C2 (Houston SPI TUF) Meeting	November 12, 2014 8:00 am Marriott Westchase
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Attendees	38 Members in attendance 10 Online Connections	Copied To	Houston SPI LTUF Website
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Called By	John Dressel	Prepared By	Betty Alexander, Andrew Kunev & John Dressel
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Item	Topic	Notes	Action/Due
1	Welcome	Welcome to Fluor & Safety Moment Intergraph David Kaiser,	
2	Chairman's Notes	John Dressel, Fluor <ul style="list-style-type: none"> Focus meeting on Enhanced Reports and Loops Minutes from prior meeting were approved. SPF LTUF introduction Majed Abouhatab – SmartPlant Foundation, meeting Semi-Annually; Join On-line on http://spf-ltuf.org Introductions were done. Meeting Minutes Approved 	
3	Presentation	SPI Enhanced Smart Loop Discussion Zur Bar, Intergraph <ul style="list-style-type: none"> John's reminder from conference statement that SPI's major competition are actually tools like MS Excel/Access for the output (but SPI is professed as better.) And John Highlighted AutoCAD is also a competition for the graphics, but SPI is better due to linkage to real data in SPI SPI deliverables are customized often, but not normalized - which is challenging for Intergraph to adopt as best practices, as the various languages needed for global customers. Future of ESL, evolution to innovation, samples/examples & what's next: Intergraph DESIRES many LTUF input (SR) to submit Requests for Upgrading ESL / ERU History slide; Intergraph proud that most customers using SPI have transitioned Away from non-intelligent ACAD to the "Smart"-Loops Generated from real data. There is a functionality within ERU for ESL (SPI9?) to do Custom Loops in a drag 'n drop with graphics-directed wiring instead of wiring in data & connection screens. There will be training level demos provided by Intergraph soon & published to LTUF. Zur brought up Point-to-point output and an example customer/refinery who uses them instead of Loops. But folk in room agree that desire for Loops are qualitative, and as Zur says Emotional. Zur push for removing ourselves from dependency from 'pretty' Loops. Graphical Reach Presentation - demo Loop with Heavy customization, but Zur advises that the additions out-of-the-box graphics will cost more in work-hour commitment. Zur advises that Legacy Loops are not what the customer really NEEDS for data-value. Audience (Mitch-O/O) reminds Zur that Diagrammatic Loops with heavy images and examples of Instruments SHOWN on Loops - were definitely Needed in the past. Now folk CAN consider less graphics. Audience (?) cautions that Hydraulics are Very important to be SHOWN, and the capability is needed in Process Gas Fields for good Graphics. Great example slide showing Loop generated Per Signal vs Per Loop (and customer-needs drive when the choice is needed/wanted.) Different Feel from each. Examples: There are 	

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		<p>some cases when the Instrument will not match the Loop number. Safety Interlocks & cascades.</p> <ul style="list-style-type: none"> • Example shown of FFB. (Difference highlighted by audience of FFB Segment Wiring Diagrams Versus FFB Loops - and the tool's capability to do both.) • Preferences quoted by Zur as being Comprehensive. Intergraph option for connections-2-opposite sides was a customer request, but Zur would like to eliminate some of the unused ones. SUGGEST TO JOHN that we should Use an LTUF in the Future to dedicate a session for evaluating options in our group session, • Zur asks - Are WE in LTUF all familiar with all the aspects of ESL/ERU? • Zur requests that WE LTUF folk should suggest to Intergraph what additional requirements would be desired (to explore or immediately implement.) Reference the examples given, consider over time & attend Webinars/WebEx's ... and make suggestions. • Note, Zur is still pushing for out-of-the-box ... but recognizes that customers do request Customization, so if we provide the Cost Benefit to Users ~ Intergraph will consider. • John's comment is that many SPI users are not yet fully trained or experienced in ESL/ERU in-depth. • Zur offers that Intergraph WILL be providing more online training and demos. • Bechtel comment that since ESL is Data Driven, often the GAP is due to missing data versus. Some SPI hosts use Loops with dumb graphics to avoid data entry. • John asked how many folk edit SPI data from within the Loop, and presumably this is an option that some folk may use - although many find this as a slow loop-by-loop approach versus mass- data manipulation in Browser (or EDE) • Audience (Mitch) comment that Loops are misunderstood by O/O Customer Management as not particularly data-centric. Zur feels that many Oil Companies are at a stage of moving away from Drawing-centric. • Audience (?) request for more libraries of custom symbols with macros of data ... as the creation of these is time consuming (in SPI and SP 3D) • Nezar request that the right/left option should be moved from General Preference to specific for Loops, as many folk use ERU for Panel Strip generation etc where the L/R change is not good. 	
4	Presentation	<p>Enhancing Enhanced Reports Nezar Faitouri, Mangan</p> <p>Usage of ESL slides:</p> <ul style="list-style-type: none"> • Focus 1st on the Backgrounds & Title Block. • Customization Costs Money. • Capability is there, but will take Work to create/maintain. <p>Tips & Tricks:</p> <ul style="list-style-type: none"> • MACROS (some) can be supported a part of the background - instead of per Layout. (LTUF may drive more Macros placed in the availability to backgrounds) • Other tips on Symbols/ and training can be requested from Intergraph on Symbol customization and connect points.) • Saving Methods table - challenge of Drawing Level versus Layout Level SAVES. Dwg vs Layout Level is misrepresented/misused within ESL. Smart Text versus Macros are handled differently and the current tool is confusing. 	

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		<ul style="list-style-type: none"> • Table for Saving Methods & Access Rights. • FILTERing of Data is possible for ESL in Layouts. Filtering can also be done on Redlining. • Revision Control is possible with Clouding when comparing revisions • SPI documents and SPI properties can be accessed from within ESL/ERU. Good for field usage - and works within Access Rights control. • ESL vs Acad. - Cad blocks are limited to loops & Hookups - (not in Panel strip dwgs etc.) Preferences in Generation window can allow loop data generation directly to Acad, (but blocks must be well established) Cost savings example table provided • ESL challenges - many listed • Suggestion to use EDE to link/store SmartText, or some other accessible/report. • Request to Store Redline Symbols differently (perhaps as objects in the db. Maybe Also Exportable/Importable) • John questioned value for Importing Acad Blocks into SPI. Nezar says you can convert block to an SYM file (but Macro Text is lost & Insertion point is changed.) • Preferences mechanism VERY powerful. Example in SPI9SP2 or 3 = Showing Cable Instance ONCE - better representation. • R/L orientation is useful for 90% • Question to group - Mangan/LTUF offering Day meeting for ESL / ERU Preferences • Nezar offers to ASSIST the LTUF management/responsibilities. 	
5	Presentation	<p>SmartPlant Instrumentation Product Update Guy Masin, Intergraph</p> <ul style="list-style-type: none"> • Slides suggest Q2 2015 schedule availability for SPI 2015 - new additions in slides improved from Vegas HxGn • Enhanced ToDo List revisited in detail in slides with significant commentary from Guy. Views have EDE interface. New SPI publish EDE User Interface shown and explained. • Query Builder as major enhancement for SPI2015 to eliminate the need for Custom Browsers. GUI to determine Relationships & opens data in previews. Citrix environments are being tested for Floating Preview windows etc. • Phone Audience asked about Access Rights - Guy answered that Access Rights will meet many needs from the EDE. • Much details provided in slide for Filtering the EDE. & combinations. • Phone Question: XLS exports can be checked - and SPI 2015 is currently meshing with xls 2013, but might have to go to xls 2010 thru CSV. Nezar reported that he HAD tested and SPI 2015 EDE output will work in xls 2010. • Project AsBuilt completely REVAMPED in SPI 2015. • Graphic View with Tree View offering significant control and preview options. 	

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		<ul style="list-style-type: none"> • UDF/UDT EDITOR - New Feature shown in Nov2014 for SPI2015! (not specific to SPEC UDFs) • Question from John about ESL/ERU enhancements - Guy agrees that there are no planned changes to ESL/ERU in SPI 2015 - but in December Intergraph will be offering WebEx etc as Zur advised. 	
6	Presentation	<p>10:15 Configuring Enhanced Reports John Dressel, Fluor</p> <ul style="list-style-type: none"> • Slides showing list of common (and some additional Communication Reports & Telecom) also note Profibus vs FFB. • The SmartPlant Instrumentation Deliverable Includes many Enhanced Reports • Common Enhanced Reports that may be Configured are: <ul style="list-style-type: none"> ○ Enhanced SmartLoop ○ Panel-Strip ○ Wiring Equipment Connections ○ Segment Wiring ○ Fieldbus Loop ○ Strip Signals ○ Hook-Ups ○ Panel Signals • Proper Configuration of User Preferences is essential for Successful Generation • NOTE: The ESL version and Service Pack should match the SPI Version and Service Pack! • The SmartPlant Instrumentation Deliverable Includes many Enhanced Reports • Additional Enhanced Reports that may be configured are: <ul style="list-style-type: none"> ○ Cable Layout ○ Communications Line ○ Network Class ○ Single Speaker ○ PA Amplifier ○ Cable Harness ○ Location Layout ○ Panel Layout ○ Rack Layout ○ Profibus ○ Cable Block Diagram ○ Symbol Editor ○ The Symbol Editor allows users to customize or create Enhanced Report Symbols <p>Recommended Preference Settings for ESL</p> <ul style="list-style-type: none"> • The following settings are for the SmartPlant Instrumentation Enhanced Report Generation User Preferences to allow all users to generate Enhanced reports using a project Title block and common parameters. • On multi EPC Projects, each user who is generating Enhanced Reports from SmartPlant Instrumentation must use the same settings in their "File/Preferences" menu to align their drawings with other pillars and these preferences need to be set on the SPI Project Citrix server for shared users • Only a few parameters that may be configured will be addressed in this presentation. Drawing, Title Block, Connectors, Layers, Page and Revision preferences are also configurable in the user preferences <p>Note: The Panel location attribute font settings must be set in each final drawing after drawing generation. The recommended settings are Font: Arial Narrow - Font Style: Regular - Size: 11</p> <p>Enhanced Reports Recommended settings: Enhanced Reports / General</p> <ul style="list-style-type: none"> • General 	

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		<ul style="list-style-type: none"> ○ turn on - Show generation status window • View <ul style="list-style-type: none"> ○ turn on - Split strip display between pages ○ turn on - Enlarge terminals with multiple connections • Drawing <ul style="list-style-type: none"> ○ turn on - Gap connectors at intersections ○ turn on - Redraw all connections • Copy File Locations allows the user to apply file mapping across other Enhanced reports <p>Enhanced SmartLoop Recommended settings: Enhanced Reports / Enhanced SmartLoop / View</p> <ul style="list-style-type: none"> • Turn on - Retrieve last saved position • Display options <ul style="list-style-type: none"> ○ turn on - Overall shield connected to another strip ○ turn on - DCS / PLC attributes ○ turn on - Unconnected DCS / PLC terminals ○ turn on - Unconnected Apparatus terminals ○ turn on - Panel location ○ turn on - Terminal discontinuity ○ turn on – Loop drawing reference • Connection representation <ul style="list-style-type: none"> ○ Default Layout: - Orthogonal ○ Cross wiring: - Orthogonal <p>Enhanced SmartLoop Recommended Settings: Enhanced Reports / Enhanced SmartLoop / File Locations</p> <ul style="list-style-type: none"> • Template for default layout: • ...\\RAD\\Template\\Types\\Loop\\normal.sma • Symbol folder: • ...\\RAD\\Symbols <p>Set Enhanced SmartLoop Font Settings: Enhanced Reports / Enhanced SmartLoop / Fonts</p> <ul style="list-style-type: none"> • Font: Arial Narrow • Font Style: Regular • Size: 11 <p>Panel Strip Recommended settings: Enhanced Reports / Panel Strip/ View</p> <ul style="list-style-type: none"> • Turn on - Retrieve last saved position • Display options: <ul style="list-style-type: none"> ○ turn on – All jumpers ○ turn on - Overall shield connected to another strip ○ turn on - DCS / PLC attributes ○ turn on - Unconnected DCS / PLC terminals ○ turn on - Unconnected Apparatus terminals ○ turn on - Panel location ○ turn on - Terminal discontinuity ○ turn on – Left-most strip descriptions on left • Connection representation: <ul style="list-style-type: none"> ○ Default Layout: - Orthogonal ○ Cross wiring: - Orthogonal <p>Fieldbus Panel Strip Recommended Settings: Enhanced Reports / Panel Strip/ File Locations</p> <ul style="list-style-type: none"> • Template for default layout: • ...\\RAD\\Template\\Types\\ strip\\Style1 \\normal.sma • Symbol folder: • ...\\RAD\\Symbols <p>Set Panel Strip Fonts same as Enhanced SmartLoop Font Preference Settings</p>	

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		<p>Enhanced Reports / Enhanced SmartLoop / Fonts</p> <ul style="list-style-type: none"> • Font: Arial Narrow • Font Style: Regular • Size: 11 <p>Fieldbus Segment Wiring Recommended settings: Enhanced Reports / Segment Wiring / View</p> <ul style="list-style-type: none"> • Display options <ul style="list-style-type: none"> ○ turn on – All jumpers ○ turn on - Overall shield connected to another strip ○ turn on - DCS / PLC attributes ○ turn on - Unconnected DCS / PLC terminals ○ turn on - Unconnected Apparatus terminals ○ turn on - Panel location ○ turn on - Terminal discontinuity ○ turn on - Virtual Tags • Connection representation <ul style="list-style-type: none"> ○ Default Layout: - Orthogonal ○ Cross wiring: - Orthogonal <p>Fieldbus Segment Recommended Settings: Enhanced Reports / Segment Wiring / File Locations</p> <ul style="list-style-type: none"> • Template for default layout: • ...\\RAD\\Template\\Types\\fieldbus\\normal.sma • Symbol folder: • ...\\RAD\\Symbols <p>Set Fieldbus Segment Fonts same as Enhanced SmartLoop Font Settings: Enhanced Reports / Segment Wiring / Fonts</p> <ul style="list-style-type: none"> • Font: Arial Narrow • Font Style: Regular • Size: 11 <p>Fieldbus Loop Recommended settings: Enhanced Reports / Fieldbus Loop / View</p> <ul style="list-style-type: none"> • Turn on - Retrieve last saved position • Display options <ul style="list-style-type: none"> ○ turn on - Overall shield connected to another strip ○ turn on - DCS / PLC attributes ○ turn on - Unconnected DCS / PLC terminals ○ turn on - Unconnected Apparatus terminals ○ turn on - Panel location ○ turn on - Terminal discontinuity • Connection representation <ul style="list-style-type: none"> ○ Default Layout: - Orthogonal ○ Cross wiring: - Orthogonal <p>Fieldbus Loop Recommended Settings: Enhanced Reports / Fieldbus Loop / File Locations</p> <ul style="list-style-type: none"> • Template for default layout: • ...\\RAD\\Template\\Types\\FieldBus Loop \\normal.sma • Symbol folder: • ...\\RAD\\Symbols <p>Set Fieldbus Loop Fonts same as Enhanced SmartLoop Font Settings: Enhanced Reports / Enhanced SmartLoop / Fonts</p> <ul style="list-style-type: none"> • Font: Arial Narrow • Font Style: Regular • Size: 11 <p>Enhanced Fieldbus Loop Shield Style Settings Default Shield Style is Dotted</p> <ul style="list-style-type: none"> • Set Format Item - Shield 	

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		<ul style="list-style-type: none"> • Set Format Style - Dashed <p>Report Management Dialog Box</p> <ul style="list-style-type: none"> • Report Management Dialog Box Displays an overview of all the reports created in the SmartPlant Instrumentation modules. • The Domain Administrator uses this dialog box to define revision management settings and revision archiving options, and apply custom title blocks to reports. • In the Domain Administrator Module, click on “Activities / Report Management” • Report Name — Displays the full name of the report available in SmartPlant Instrumentation. • Module Name — Displays the name of the module that includes the report. • Report Type — Displays the report type of List or Non-List. <p>Report Type Column</p> <ul style="list-style-type: none"> • List - A report that displays a list of items. Examples of such reports are multi-strip reports. If you created a report for a list of items using item search parameters, the software applies a unique document number and revision to this report according to the item search parameters. • Non-List - A report that is generated for a specific main item. Such a report displays the main item data and associations. An example of a non-list-type report is a panel-strip report, which you can generate for a specific strip. Such a report can display the main strip, two additional strips, numerous cables, and wires. <p>Report Revision Management</p> <ul style="list-style-type: none"> • In SmartPlant Instrumentation, you cannot apply global revisions to reports belonging to the list report type because for a global revision, you can only use reports generated for a specific item. • Revision Management — Displays the revision management setting determined by the report type. A revision management setting of all list-type reports is per document. A revision management setting of certain non-list-type reports is set as per item, while some non-list-type reports may be defined as per item or per document. <p>Report Title Block Management</p> <ul style="list-style-type: none"> • Title Block — Allows you to use a title block in the report. This can be a title block designed by the user, or one of the defaults supplied with SmartPlant Instrumentation. Note: If you want to display the report without a title block, clear this check box. <ul style="list-style-type: none"> ○ In this case, the macros that appear in the title block appear at the top of the report. ○ For those reports that must contain a title block, the check box is selected by default, and you cannot clear it. • Title Block Location — Displays the location of the title block in the report. • Title Block Customization (available when selecting the Title Block check box) — Allows you to assign a custom title block to a particular report, or a default title block that is supplied with SmartPlant Instrumentation. Note that some reports do not support custom title blocks. For these reports, the value Default appears, and the option to select a custom title block from this list is disabled. • Custom Title Blocks are assigned with the “Tools / Title Blocks...” menu option in the opening SmartPlant Instrumentation screen <p>Report Archiving Management</p> <ul style="list-style-type: none"> • Save Document Data — Allows you to save all revision data for all reports of the specified type when using the Changed Documents feature accessed from the Tools menu in SmartPlant Instrumentation. If you clear the check box, the software performance is improved when creating revisions but does not 	

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		<p>affect the report comparison functionality which is controlled by the Archiving Option settings.</p> <ul style="list-style-type: none"> • Changed Documents – Allows you to see what documents are changed since last revision or between dates and create a report of the changes • Archiving Option — Allows you to assign an archiving option to a particular report, needed if you want to enable Report Comparison. The following options are available: <ul style="list-style-type: none"> ○ Do not save — Sets the software not to keep a revision archive. This is the default ○ Save to database — Sets the software to keep a revision archive in the database ○ Save as File — Sets the software to keep a revision archive as an external .psr or .sma file ○ Compress as ZIP file — Sets the software to keep a revision archive in a.zip file • Report Comparison – Allows you to view archived reports or compare current report with one or more previously archived reports. Accessed from the Print Preview screen • Archive Path — Allows you to define a different path for a specific report to be saved as a file, or compressed as a .zip file. • When selecting the archiving options Save as File, or Compress as Zip file, click and enter a path or click on the folder and browse to the selected . • You can use this option in addition to defining the “Default archiving path”. • Filter by – Allows you to filter the reports list by a specific module. • Find / Report — Allows you to find a specific report by entering a text string corresponding to the name of the desired report. • Sort by – Report or Module determines the alphabetical sorting order of the reports list • Default archive path – Allows you to enter or browse to the default archive path for all the report revisions to be saved as files, or compressed as .zip files. <p>Questions & Comments: Recommended Preferences Setting (Arial11 will fit in out-of-the-box symbols) NOTE: Microsoft Media Player is needed for Symbol Editing Preference Settings shown in slides - Two Mappings of File Locations are critical -seen in slide (template for default layout and RAD/symbols folder) Note: Shield Default in FFB Segment is different from Shield in Loops (dotted vs dashed) Revision management and Doc Control shown in several slides Audience Question: Is there a way to save/move preferences to multiple users not in Citrix. One solution is to set in Admin and lock users out from changes.</p> <p>Additional Enhanced Report Presentations</p> <ul style="list-style-type: none"> • Enhanced Report Template Modification - John Dressel, Fluor • Enhanced Report Symbols Editing - Sean Daniels, Fluor • Enhanced Report Layouts - Patty Jones, Fluor • More Legible Enhanced Loop Drawings - Gene Haney, CB&I <p>Note: These presentations can be found on the SPI-LTUF website in the Archives of the May 5, 2009 meeting</p>	
7	Presentation	<p>CR Rankings for Enhanced Reports John Dressel, Fluor</p> <ul style="list-style-type: none"> • Setting the filter to Enhanced Reports in the CR Ranking website resulted: • Current Enhanced Reports CRs are: <ul style="list-style-type: none"> ○ Reference Entity Access Rights ○ Saving Enhanced Report Text Boxes 	

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		<ul style="list-style-type: none"> ○ Access Rights for Macros ○ Shields not anchored to wires ○ Splitting Terminal strips between Pages ○ Applying Drawing notes to reports ○ Support for ASi Bus ○ Showing Un-claimed As-Built Items ○ Saving Custom Changes doesn't include Scaling ○ Fonts size on Enhanced Reports not linked ○ Use of Internal Loop Order ○ Revision Handling ○ Importing Symbols ○ Logo conversion for CAD <p>Change Request Number: 72770 Rank 8.03</p> <ul style="list-style-type: none"> • Reference Entity Access Rights; the 'Plant Hierarchy Management', 'Reference Cable Management' and 'Reference Panel Management' entities need to be on FULL in order for the user to access and use all Wiring Entities. Should be able to set SPI so that users can USE reference entities, but not edit/add/delete them. <p>Change Request Number: 96568 Rank 7.93</p> <ul style="list-style-type: none"> • In the Enhanced Report Utility, I can save SmartText (save custom changes -> this dwg only). But Text Boxes do not save. User can save smarttext, lines, circles, and rectangles. But they can't save: text boxes, curves etc. Even with the stuff that does save sometimes you have to attach redlining, and other times (ie: smarttext) you don't. Further, there is no documentation on what will save and what wont. <p>Change Request Number: 96479 Rank 7.93</p> <ul style="list-style-type: none"> • Separate ESL access rights: designers must have '\full\ access to the Enhanced Report Utility because they need to '\save custom changes\', save smart text and save redlining on their drawings. However, these basic access rights means that they can also add/edit/delete macros ALWAYS FOR ALL DRAWINGS ASSIGNED TO THAT LAYOUT. They should not have the ability to add/edit/delete macros for layouts, but should have access only for their specific drawing! <p>Change Request Number: 96361 Rank 7.43</p> <ul style="list-style-type: none"> • Enhanced Reports - Shields appear to anchor in a specific position. The individual shields are anchored outside of the wires and the OS coming up from the bottom of the middle strip is anchored next to the cable sets. Users can move the SHLD bars around but cannot touch the shield wires. <p>Change Request Number: 93400 Rank 7.38</p> <ul style="list-style-type: none"> • Splitting a JB strip onto two pages - Enhanced Report. On an Enhanced Panel Strip Report I have a Strip with 90 terminals... SPI likes to split it so that 85 terminals are on Sheet 1 and 5 terminals are on sheet 2. We should be able to split it so that 45 terminals are on each Sheet. <p>Change Request Number: 64932 Rank 7.09</p> <ul style="list-style-type: none"> • Currently there is a need to use Dwg UDFs for Notes on SmartPlant Reports except Loops. These UDFs are too short 20 chars. A dwg notes field needs to added that could be used on SmartPlant Reports. <p>Change Request Number: 64609 Rank 7</p>	

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		<ul style="list-style-type: none"> • ASi Bus needs to be supported by SPI. We use ASi extensively to bring in discrete inputs into the Delta V DCS. We have tried the work around of using Fieldbus to represent it but there are alot of input that we miss because it is not supported by SPI. <p>Change Request Number: 111740 Rank 7</p> <ul style="list-style-type: none"> • The User Preference '\Include unclaimed As-Built items\' only applies to psr reports, not enhanced reports. Intergraph says this is working as designed so they've only filed a CR not a TR. We feel that you should be able to see/print unclaimed items that are on the report, you shouldn't have to claim everything on a Junction Box when all that's in your scope is to land 2 wires. Because the drawing has changed, you need to rev it up, therefore you need the entire drawing, not just the terminals your project affected. <p>Change Request Number: 52407 Rank 7</p> <ul style="list-style-type: none"> • If you resize a redlining symbol the scaling is not saved when you use the 'Save Custom Changes' Command. <p>Change Request Number: 71994 Rank 7</p> <ul style="list-style-type: none"> • The font on the 'loop drawing reference' macro and the '\Control System macro\' are not linked to the Font Size in User Preferences (for any Enhanced Reports). Current workaround: to change these, you must change the default symbols for them. <p>Change Request Number: 71994 Rank 6.57</p> <ul style="list-style-type: none"> • Internal Loop Order, the mechanism that SPI uses to determine the order of Device placement on a loop drawing, does not apply to Fieldbus and Segment Drawings. Intergraph's CR Writeup: Consider providing a field (similar to Internal Loop Order) that determines the order in which the tags are placed on a Enhanced Fieldbus Segment Wiring Diagram. This would help avoid having to manually re-position tags, then Save Position on each drawing individually. <p>Change Request Number: 66842 Rank 6.55</p> <ul style="list-style-type: none"> • A revision should be unique for a document across the entire domain including projects Currently SPI permits use of duplicate revisions. This totally flies in the face of revision management. The net result of this is that clients have to use external applications to distribute revisions and hope that the Designers use the assigned revision(s) within SPI. <p>Change Request Number: 138014 Rank 6.1</p> <ul style="list-style-type: none"> • To create ESL documents that are visually consistent with the installed ABB equipment. ABB have definitions defined outside SPI that can be Imported into any SPI Database (v2007/v2009/v2013(to be tested)). Will allow non-screw terminals and additional channel functions e.g. individual fuses, o/load protection, IS barriers etc on the I/O Module Termination Card to be indicated. Specific problem is that when importing terminal entries into the wiring module Panel-Strip-Term Table it would be very useful to be able to add entries into the ESL_ITEM_SYMBOL table at the same time. This seems to hold the path/file name of the defined symbol file using the ID_1 field to hold the TERM_ID as the Key and the 	

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		<p>entry is only created if an ESL symbol entry is defined. Import Module does not provide access to achieve this.</p> <p>Change Request Number: 63500 Rank 5.8</p> <ul style="list-style-type: none"> • From SPI Version 7.0 to 2009, when Enhanced Smartloop native file(.sma format) is converted into Microstation(.dgn) format, the Logo file(.tif) is separated from the dgn. This is sometimes not acceptable by clients. Also this happens when converting SmartSketch(.igr) into Microstation. We need have only converted dgn/dwg file(including the Logo) from ESL. • Intergraph has improved ESL over time. Shown were examples of over 60 TRs that have been implemented on Enhanced Reports since SPI Version 2007 • Add your CR to the Ranking Website • Users may add their own valid CR to the ranking database. <ul style="list-style-type: none"> ○ Enter a CR Number ○ Enter a SR Number (Optional) ○ Enter a description of the CR ○ Associate a Document to a CR ○ Select SPI or SPEL ○ Place additional Comments <p>Q/A ...</p> <ul style="list-style-type: none"> • We do Not need to Merge all projects into AsBuilt before Upgrading from SPI9 to SPI2015. Only thing known to be lost thru upgrade is the DELETED objects. This has been sufficiently Revamped so the previous deletions cannot be translated into SPI2015 • A previous bug on the Internal Loop order has been fixed (thus one of the CRs 71994 has already been resolved but not recorded on CR site) • Revision Changes discussion from a CR example was tabled by request from Zur to be discussed later. • CR 138014 requesting MACs provide Symbols with our I/O Catalogs for custom graphics per family/etc based on 	
8	Forum Topics	<p>Forum Topics</p> <p style="text-align: right;">All Attendees</p> <ul style="list-style-type: none"> • How many LTUF folk have clients asking for ACAD or Micro station loop deliverables? Many hands raised. John suggests other ERU diagrams should /could be output in other deliverable modes. (Not all clients are using SPI or want SPI format deliverables.) • John would like enhancements to the Point2Point diagrams - specifically for Work-sharing. Marco enhancement desired etc. Naming convention for Ferrules would be nice in Pt2Pt as they are macros for ERU, but not available in the database • Font Size issues are still a problem in the ERU because of symbols and wiring connection restrictions. • Loops by Signal is a good option to default loop, but for Complex loops the default may be best. • SPI Dimensional Data for Piping <ul style="list-style-type: none"> ○ SPI Dimensional Data for Piping: how many LTUF attendees use - not many? Fluor has recognized many mapping issues (export/Import mechanism not available to SP3D - must go to SPF. Hosting cloud-2-ground issue raised by Zur. In PAST all data needed to go thru SPF. But Intergraph has re-embraced tool-2-tool integration (point2point) so SPF is no longer a NEEDED middle point. Thomas Net is publishing Instr data which we 	

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		<p>would like in SPI.</p> <ul style="list-style-type: none"> ○ Q: what is best workflow of receipt of DDP data? Room answer is we would like both: either direct from ThomasNet as well as direct from Vendors of Instrumentation. Zur has seen some customers receiving Dimensional Data with the Sizing of the device. John answer again for choice to go direct from Vendor OR from Thomas Net - and Not Just INLINE instruments as well as offline equipment. ○ Zur agrees that we all would like to work further with Vendors to share data deliverables. ○ Modeling of items in 3D must include Weight. Some Vendors only provide data in pdfs and less SPI ready. ThomasNet will map data to drive the 3d Modeling. Static Devices versus Vendor designed sizing. Some EPCs do the sizing and some sizing is done by vendor (like Fisher). Zur wants to understand the work processes to eliminate excess interfaces but still have specific interfaces that will fit all SmartPlant tools. ISO&NEC standards are desired ... but not yet adopted. ● SPI Integration with SP-PID <ul style="list-style-type: none"> ○ Some attendees do need this. Implied Tags are sometimes handles as typical in SPI. Some Soft Tags shown on P&ID are captured for SPI, but others are not. New ISA symbol is available, but many folk are not putting enough data into the P&IDs - so it is not transferrable into SPI. URGE folk to use latest ISA Standard Symbols, AND showing every instrument on P&ID that needs to be purchased - to park REAL data into transferable info. One user is utilizing Typical Symbol on P&ID, but John's question is @ the change management and control of that un-shown data. Macro Expansion can do some ... but it is not flexible and cannot be used on enough instruments. Fluor prefers not to bring Instruments into SPI direct from SP P&ID ... and they validate the data separately ● SPI Hookup Module <ul style="list-style-type: none"> ○ Some folk use it - Fluor is trying to use it more and integrate it with Material Management System. Zur suggests the Hookups do not yet communicate with SP Materials but it may be on their roadmap ● SPI Version 2015 <ul style="list-style-type: none"> ○ Many folk have Beta Tested and EDE & AsBuilt are Very Cool. UDF Pick List idea is progressive. ○ Multiple Plants on Same Domain cannot Harmonize UDFs during Upgrade. Not an effect on Project level UDFs. Intergraph is moving toward RESTRICTION of One Plant per Domain - to reduce hassle for Owners. ○ Execution of Global Projects. DB Separation to plan later merge is utterly ill-advised. Other Tools can check-out and return data much easier. ZUR -Yes the Project Check out mechanism will be leveraged into SPI to avoid merging issues. But there is always a concern with Merging to maintain the Context and ownership of data. Current Merges are misunderstood and produce garbage in SPI. ○ Infomaker not needed for custom browsers due to EDE. But InfoMaker 12.5 can be purchased directly from Intergraph NOW ... as needed for datasheets / Spec sheets. (Future releases may remove InfoMaker completely) 	

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11	Close	<ul style="list-style-type: none"><li data-bbox="544 184 1122 212">• Next meeting will be February 10, 2015 at Jacobs<li data-bbox="544 218 902 245">• John Dressel closed meeting	