

<b>SmartPlant Instrumentation Technical User Forum P2C2 (Houston SPI TUF) Meeting</b>	<b>August 05, 2015 8:00 am Fluor</b>
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<b>Attendees</b>	35 Members in attendance 20 Online Connections	<b>Copied To</b>	Houston SPI LTUF Website <a href="http://www.spi-ltuf.org">http://www.spi-ltuf.org</a>
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<b>Called By</b>	John Dressel	<b>Prepared By</b>	Betty Alexander & John Dressel
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Item	Topic	Notes	Action/Due
1	Welcome	<p><b>Welcome &amp; Safety Moment</b></p> <p>Dave Hoepfner, Fluor Electrical and Control Systems Manager;</p> <ul style="list-style-type: none"> <li>• Wants to flow data from one module to the other.</li> <li>• Move Data and not drawings.</li> </ul> <p>Emeka Nwagvara – Safe lifting –</p> <ul style="list-style-type: none"> <li>• Ensure the object that you are lifting is safe to move.</li> <li>• Ensure what you are lifting is not heavy.</li> <li>• Ensure that it is grip to lift.</li> <li>• Use slow movements to lift.</li> <li>• Warm-up and pace yourself.</li> <li>• Keep Hydrated.</li> </ul>	
2	Chairman's Notes	<p>John Dressel, Fluor</p> <ul style="list-style-type: none"> <li>• IUSA coming up Sept 30th, Westchase Hotel;</li> <li>• Minutes from prior meeting were approved.</li> </ul> <p><b>Introductions</b> (attendance was low dur to short notice)</p> <ul style="list-style-type: none"> <li>• Intergraph, Fluor, ExxonMobile, WP, Mangan, KBR, Chart (only 10 people in 'on-time' attendance)</li> <li>• Online dozen: Bayer, Lubrisol, Chevron, +more. Many more joined meeting in progress.</li> </ul>	
3	Presentation	<p>Update on SPI 2015 Status                      David Kaiser, Intergraph</p> <p>Sun 05/31/2015 8:00 - 12:00</p> <p>SmartPlant Instrumentation, Electrical &amp; P&amp;ID Combined TUF</p> <ul style="list-style-type: none"> <li>• 8:00 a.m. - Introductions <ul style="list-style-type: none"> <li>- John Dressel - SPI ,</li> <li>- Earl Trindle - SPEL,</li> <li>- Adam Williams – SP-P&amp;ID</li> </ul> </li> <li>• 8:05 a.m.- Welcome to the Technical User Forum <ul style="list-style-type: none"> <li>- (Frank Joop)</li> </ul> </li> <li>• 8:15 a.m.- Enhanced Smart Engineering <ul style="list-style-type: none"> <li>- (Frank Joop)</li> </ul> </li> <li>• 8:30 a.m. - Engineering &amp; Schematic <ul style="list-style-type: none"> <li>- SmartPlant P&amp;ID (Paras Trivedi)</li> <li>- SmartPlant Instrumentation (Zur Bar)</li> <li>- SmartPlant Electrical (Meir Stein)</li> </ul> </li> <li>• 9:30 a.m.- SmartPlant Construction <ul style="list-style-type: none"> <li>- (Jason Dubose)</li> </ul> </li> <li>• 9:50 a.m. - Master Tag Registry <ul style="list-style-type: none"> <li>- (Allen Egnor)</li> </ul> </li> <li>• 10:10 a.m. Break/Networking</li> <li>• 10:30 a.m. SmartPlant Navigator <ul style="list-style-type: none"> <li>- (Ping Fang)</li> </ul> </li> </ul>	

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		<ul style="list-style-type: none"> <li>• 10:50 a.m. SmartPlant Foundation <ul style="list-style-type: none"> <li>- (Allen Egnor)</li> </ul> </li> <li>• 11:10 a.m. SmartPlant Material <ul style="list-style-type: none"> <li>- (Marcelo Joaquim)</li> </ul> </li> <li>• 11:20 a.m. SmartPlant CR Ranking Presentation <ul style="list-style-type: none"> <li>- (Dennis Cooley)</li> </ul> </li> <li>• 11:30 a.m. SmartPlant 2D Products Forum <ul style="list-style-type: none"> <li>- (Zur Bar, Paras Trivedi, Meir Stein)</li> </ul> </li> <li>• 12:00 p.m. Lunch/Networking</li> </ul> <p>Sun 05/31/2015 1:00 - 4:00 SmartPlant Instrumentation Global TUF</p> <ul style="list-style-type: none"> <li>• 1:00 p.m. Opening remarks (SPI TUF Chair; John Dressel) <ul style="list-style-type: none"> <li>- SPI - Out Of or Outside The Box</li> </ul> </li> <li>• 1:15 p.m. SmartPlant Instrumentation Status, (Zur Bar) <ul style="list-style-type: none"> <li>- SmartPlant Instrumentation release plans and schedules</li> <li>- SmartPlant Instrumentation 2015 (2016) new feature overview</li> <li>- SmartPlant Instrumentation 2015R1/2017 plans</li> <li>- SmartPlant Instrumentation future release plans</li> </ul> </li> <li>• 1:45 p.m. SPI DDP Module (Ron Jackson)</li> <li>• 2:00 p.m. PAS Integrity introduction (Jason Lingo)</li> <li>• 2:20 p.m. Mangan SPIInspector introduction (Louis Trujillo)</li> </ul> <p>Mon 06/01/2015</p> <ul style="list-style-type: none"> <li>• 8:00am – 12:00pm - New Project As-Built for SPI 2015</li> <li>• 5:00pm – 7:00pm - Integration Stakeholder Meeting</li> <li>• 7:00pm – 7:30pm - Fluor company meet and greet</li> <li>• 7:30pm – 9:30pm – Poolside Welcome Reception</li> </ul> <p>Tue 06/02/2015</p> <ul style="list-style-type: none"> <li>• 8:00am - 10:00am – HxGN LIVE 2015 Keynote (Ola Rollén)</li> <li>• 11:00am – 11:45am - SmartPlant Master Tag Registry Presentation</li> <li>• 3:30pm – 4:15pm - Instrument Design with Seamless Interface at E+H</li> <li>• 4:30pm – 5:15pm - Emerging Instrument Technologies</li> <li>7:00pm – 9:00pm - Innovation 360 - Evening Event</li> </ul> <p>Wed 06/03/2015</p> <ul style="list-style-type: none"> <li>• 10:00am – 11:45am - The New Data Editor in SPI</li> <li>• 1:30pm – 2:15pm - SmartPlant P&amp;ID to SPI without SPF</li> <li>• 3:00pm – 4:15pm - SmartPlant Instrumentation 2016</li> <li>• 7:00pm – 9:00pm - Evening Event at Hakkasan</li> </ul> <p>Thu 06/04/2015 – Conference Highlights</p> <ul style="list-style-type: none"> <li>• SmartPlant Instrumentation 2016 (renamed from 2015) Roadmap <ul style="list-style-type: none"> <li>- Release Date: September 2015</li> <li>- Enhanced To-Do List</li> <li>- Enhanced Documents Publish</li> <li>- Inter Company Collaboration</li> <li>- SPI – S3D Cable integration</li> <li>- Query Builder</li> </ul> </li> </ul>	

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		<ul style="list-style-type: none"> <li>- Engineering Data Editor</li> <li>- Project As Build</li> <li>- UDF / UDT Editor</li> <li>- Vendor API Interface</li> <li>• Most impressive software updates <ul style="list-style-type: none"> <li>- SPI Vendor Data API <ul style="list-style-type: none"> <li>▪ Allows Vendor Sizing and Selection data to be exchanged with SPI via the web using the Integration To-Do-List</li> </ul> </li> <li>- Master Tag Registry <ul style="list-style-type: none"> <li>▪ Gathers and correlates all tags from SPF, S3D, SP-P&amp;ID, SPI and SPEL with automatic change management</li> </ul> </li> <li>- Engineering Integrity <ul style="list-style-type: none"> <li>▪ Allows rules to be written for data validation with SP-P&amp;ID, SPI and SPEL with a smart dashboard and focused links</li> </ul> </li> </ul> </li> <li>• Fluor Houston office Presentations <ul style="list-style-type: none"> <li>- John Dressel <ul style="list-style-type: none"> <li>▪ SPI Out Of or Out Side the Box</li> <li>▪ Emerging Instrument Technologies with SPE</li> <li>▪ SPI Vendor Integration with Endress+Hauser</li> </ul> </li> <li>- Ron Jackson <ul style="list-style-type: none"> <li>▪ Capturing and Reusing DDP Information</li> </ul> </li> <li>- Emeka Nwagbara <ul style="list-style-type: none"> <li>▪ SmartPlant P&amp;ID and SPI Integration</li> </ul> </li> <li>- Kevin Hooper <ul style="list-style-type: none"> <li>▪ Embracing the Future with S3D cable routing</li> </ul> </li> <li>- Omied Sadeghi <ul style="list-style-type: none"> <li>▪ Cloud Courage - A Leap in Integrated Execution</li> </ul> </li> </ul> </li> <li>• HxGN LIVE 2015 Observations <ul style="list-style-type: none"> <li>- The Sunday TUF meetings were a great kickoff to the conference</li> <li>- Registration was quick and easy with Swag for everyone</li> <li>- The Hexagon track officers gave keynote speeches throughout the conference</li> <li>- The Zone Expo gave users access to application experts and vendors</li> <li>- Hands on Training was available as both paid or walk in sessions</li> <li>- Product Presentations got a lot of attention from everyone</li> <li>- Vendor and Customer Presentations enforced the Product sessions</li> <li>- Television and Social Media were used to enhance communications</li> <li>- Everyone got plenty of exercise walking from event to event</li> <li>- Meals were plentiful and we had a great variety of cuisines</li> <li>- The receptions at poolside and in The Zone allowed for networking</li> </ul> </li> </ul>	

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		<ul style="list-style-type: none"> <li>- The last evenings event was a big party at MGM's Hakkasan</li> <li>• The next PP&amp;M TUF meeting will be in: <ul style="list-style-type: none"> <li>- ANAHEIM, CA on June 12, 2016</li> </ul> </li> <li>• Presentations Online <ul style="list-style-type: none"> <li>- <a href="http://hxgnlive.com/en/las2015">http://hxgnlive.com/en/las2015</a></li> <li>- <a href="http://www.spi-Ituf.org/GTUF15">http://www.spi-Ituf.org/GTUF15</a></li> <li>- <a href="http://www.spi-Ituf.org/GTUF15/SPI">http://www.spi-Ituf.org/GTUF15/SPI</a></li> </ul> </li> </ul>	
4	Presentation	<p>SmartPlant Instrumentation Roadmap – SPI 2016 and after Guy Masin, SmartPlant Instrumentation Product Owner</p> <p>Agenda</p> <ul style="list-style-type: none"> <li>• SPI v2016</li> <li>• Integration</li> <li>• Query Builder / EDE</li> <li>• Project / As Build (PAB)</li> <li>• UDF / UDT Editor</li> <li>• SPI v2016 R1</li> <li>• SPI v2018</li> </ul> <p>Integration</p> <ul style="list-style-type: none"> <li>• Enhanced To-Do List (E-TDL), business drives and benefits</li> <li>• Improve the readability of retrieved information</li> <li>• Enhanced Functionality and user experience</li> </ul> <p>SPI – S3D Cable integration</p> <ul style="list-style-type: none"> <li>• Auto-route Instrumentation and Control (I&amp;C) cables in S3D.</li> <li>• Improve the design accuracy by retrieve the routed cable length and path from the S3D model.</li> <li>• Harmonization - similar to SPEL – S3D integration but for I&amp;C cables</li> </ul> <p>Inter Company Collaboration (ICC) – Phase II</p> <ul style="list-style-type: none"> <li>• Extension to current supported ICC1 – supporting Publish / Retrieve capabilities of As Build information by.</li> <li>• The functionality extension consists of: <ul style="list-style-type: none"> <li>○ Enable Projects to be integrated with SPF</li> <li>○ Publish and Compare is supported (not able to retrieve data) on project level</li> </ul> </li> </ul> <p>Query Builder &amp; Engineering Data Editor (EDE)</p> <ul style="list-style-type: none"> <li>• Query Builder, business drives and benefits <ul style="list-style-type: none"> <li>○ Allows users to create instantly flexible queries within SPI <ul style="list-style-type: none"> <li>▪ Knowledge of SPI is required but not data model</li> <li>▪ Simple to use and provides engineering and design context</li> </ul> </li> <li>○ Replace the need for 3rd party tools as Infomaker etc...</li> </ul> </li> <li>• Engineering Data Editor, business drives and benefits <ul style="list-style-type: none"> <li>○ Improve usability</li> <li>○ Ease of use</li> </ul> </li> </ul>	

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		<ul style="list-style-type: none"> <li>○ Intuitive, no need for training (like MS Excel)</li> <li>○ Enhanced Functionality</li> </ul> <p>Projects/ As Build</p> <ul style="list-style-type: none"> <li>● Project / As Build, Business drives and benefits</li> <li>● Improve visibility of the scoped when claiming or merging</li> <li>● Part of SPI (not Admin) to get most of SPI tasks benefits as reports like ESL etc...</li> <li>● Improve the robustness of supported workflows</li> <li>● Harmonize the process with the below operations <ul style="list-style-type: none"> <li>○ Claim</li> <li>○ Merge</li> </ul> </li> <li>● Remove the constraint of multi users operations when data is claimed or merged</li> <li>● Predictability</li> </ul> <p>UDF/UDT Editor</p> <ul style="list-style-type: none"> <li>● UDF / UDT Editor, Business drives and benefits</li> <li>● Harmonize the definitions of UDF* / UDT captions across the domain</li> <li>● Allow to build custom select lists</li> <li>● Expose the use of select list for UDF fields for EDE use</li> </ul> <p>*Caution – not yet supporting Spec’s UDF</p> <p>SPI v2016 R1</p> <ul style="list-style-type: none"> <li>● Tentatively scheduled for 4Q2016 / 1Q2017 <ul style="list-style-type: none"> <li>○ Master Tag Registry (MTR) - phase I support</li> <li>○ ESL fully converted to Dot.net</li> <li>○ Disconnected Workshare (overhaul- previous ‘Import Project’)</li> <li>○ Expose Web Services to support vendor integration as well as SmartPlant Enterprise Portal (SPEP) – SmartPlant Explorer’s (SPEX) Replacement</li> </ul> </li> </ul> <p>SPI v2018 Next Major Release</p> <ul style="list-style-type: none"> <li>● Introduce replacement technology to Infomaker forms for:-</li> <li>● Flexible Process Data module functionality</li> <li>● Control Logic Diagram</li> <li>● Engineering dashboard</li> </ul> <p>Discontinue INtools 6</p> <ul style="list-style-type: none"> <li>● INtools version 6 and versions before that will be discontinued by December 31, 2015</li> <li>● The software will no longer be in delivery from the product center order desk after that date.</li> <li>● Reasoning is the technical platform is no longer available for these versions &amp; very low usages</li> <li>● Support can help with any upgrade questions/services</li> <li>● Contact support or product Center if you have an questions or concerns</li> </ul> <p>Questions &amp; Comments:  C: SPI 2016 – renamed from 2015 – released in SPI 2015 – Infomaker dependency has been reduced on modules except spec module; Late delivery so updated to name 2016; To –Do –List has</p>	

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		<p>been enhanced – Active Tabs are help to navigate – View both tag (tabular view) and P&amp;ID Data; complete navigation to P&amp;ID Viewer and To-Do List.</p> <p>Q: Search deleted documents from new wizard? No</p> <p>Q: Can you publish your SPI cables to SPEL? SPF and then SPEL</p> <p>C: Query Builder has been significantly edited. No more SQL commands to build builder.</p> <p>Q: Will the component id be available in the new Query Builder (came up several times at Hexagon) – Yes and it can be exported (View Only)</p> <p>C: Standard previous browsers (55) will be available and corrected will be located in the Installation Folder.</p> <p>Q: Include spec datasheet browser views? Yes, Spec Form Browsers - continue as a Browser</p> <p>Q: Create a query in the spec browser with headings? – No, spec browsers</p> <p>Q: Can you concatenate two EDE together – SQL Editor – No – Only one query</p> <p>Q: Does it open as Report – Yes</p> <p>C: EDE allows Domain Explorer functionality; Copy/Paste functionality; More like EXCEL functionality; Validations are consistent with Browsers; EDE is floatable – Can add Process Data in another window; Advanced Filter (and/or); Create conditions on specific columns; EDE – has private folder for user</p> <p>Q: As Admin can view all browsers – Yes, there is mechanism to view all of them.</p> <p>Q: Can you validate Expression? Yes; expression will mark red when it is not valid.</p> <p>Q: Can we have more than one expression per EDE? Yes, can base one expression into another</p> <p>Q: Expression can we copy to UDF? Yes</p> <p>Q: Will the Copy/Paste to EXCEL? Will copy data not the header</p> <p>C: Webinar exists on Project/As Build – See Presentation for Location; Domain Explorer not part of the Admin Module</p> <p>Q: Additional Access rights for this function – Same as before – Project To-DO List</p> <p>C: UDF's can now be drop downs</p> <p>Q: What version will you upgrade the spec module –</p> <p>Q: What is the lowest SPI version that SPI 2016 will upgrade from? – SPI 2009, SP2</p> <p>C: Use 64-bit to get full functionality – Upgrading time will be reduced to 2 hours rather than 2 days</p> <p>Q: Min SQL version – See Compatibility Matrix</p> <p>Q: Oracle Version – Oracle 12</p> <p>Q: Do we have ability to map UDT to SPF? Yes as a drop down</p> <p>Q: Does Watcom upgrades follow – Watcom is supported</p> <p>Q: Operating System/Client /Server – Windows 7 and 8.1; Not supported with Windows 10/Use Compatibility Matrix.</p> <p>C: SPI – Fisher interface was updated</p> <p>Q: New spec form for fisher DDP interface; fisher will help map to other spec sheet format</p> <p>Q: Any other vendors with same functionality – Endress+Hauser, GE?</p> <p>C: SPI2016 R1 – 4Q2016/1Q2017, .NET will be milestone to closer 64-bit application, Disconnected Work Share – Enhance this functionality for new release – Use Merging and data migration before Disconnected work share, SPI 2016 – Will turn off temporary</p>	

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		<p>– Export and Import Project in Admin module</p> <p>Q: SmartPlant Explorer will still be compatible with SPI 2016</p> <p>C: SPI Vendor Interface – Web Interface, Future Release – 2018, Retire Infomaker; Create Custom Browsers; Spec editing</p> <p>Q: Ability to replicate data from one site to other – Connected work share? Link into same database and using metaframe – No change – Cloud Technology</p> <p>Q: Infomaker – Report generator? Any better features – Infomaker dependency will eventually be deleted – Moving from PowerBuilder to .NET.</p> <p>C: Intergraph was asked to provide the Compatibility Matrix for SmartPlant Instrumentation 2016 - John will follow up and Post on the LTUF Website.</p>	
5	Presentation	<p>SmartPlant Instrumentation Data Migration and Merging Nezar M. Faitouri, Mangan SPI Group Manager</p> <p>Agenda:</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Benefits</li> <li>• Cost</li> <li>• Cost vs. Benefits</li> <li>• Execution Steps</li> <li>• Questions</li> </ul> <p>Introduction:</p> <ul style="list-style-type: none"> <li>• This is SPI. You can't just take data from point A to point B</li> <li>• This is SPI. With proper configured data, the users will be Happy Oh, also SPI will be HAPPY</li> </ul> <p>Data Migration Benefits:</p> <ul style="list-style-type: none"> <li>• Utilization of SPI as one repository <ul style="list-style-type: none"> <li>○ Information Technology (IT) <ul style="list-style-type: none"> <li>▪ Database Setup</li> <li>▪ Database Maintenance</li> <li>▪ Database Backups</li> <li>▪ Database relocation (movement)</li> </ul> </li> <li>○ Utilization of Data by Users: <ul style="list-style-type: none"> <li>▪ Data maintenance (Engineering and Design)</li> <li>▪ Plant run and maintain activities</li> <li>▪ Ensuring SPI data integrity</li> <li>▪ Eliminating duplicate data</li> <li>▪ Eliminating updates for multiple source files</li> </ul> </li> <li>○ Interfaces with other software <ul style="list-style-type: none"> <li>▪ SAP</li> <li>▪ Meridium</li> <li>▪ Maximo</li> <li>▪ Other SmartPlant Products</li> <li>▪ Etc</li> </ul> </li> <li>○ Cost Saving Estimate <ul style="list-style-type: none"> <li>▪ At least up to 25% to 35%</li> </ul> </li> </ul> </li> </ul> <p>Data Migration Cost:</p> <ul style="list-style-type: none"> <li>• There are several factors that impacts the cost <ul style="list-style-type: none"> <li>○ Source data and SPI Owner Standards</li> </ul> </li> </ul>	

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		<ul style="list-style-type: none"> <li>▪ SPI supporting tables <ul style="list-style-type: none"> <li>• Instrument types</li> <li>• Manufacturers and Models</li> <li>• UOM's</li> <li>• Etc</li> </ul> </li> <li>○ Source data and SPI compatibility <ul style="list-style-type: none"> <li>▪ Upgrade</li> <li>▪ Engineering Mode vs. Owner Operator Mode</li> </ul> </li> <li>○ Source Data Quality <ul style="list-style-type: none"> <li>▪ Auditing the source data <ul style="list-style-type: none"> <li>• INAudit</li> <li>• SPInspector</li> <li>• Other 3rd party auditing tools</li> </ul> </li> </ul> </li> <li>○ Customization <ul style="list-style-type: none"> <li>▪ ESL Symbols and Macros</li> <li>▪ Spec forms</li> <li>▪ UDF's and UDT's</li> <li>▪ Etc</li> </ul> </li> </ul> <p>Cost vs. Benefits:</p> <ul style="list-style-type: none"> <li>• What is important to the Organization? <ul style="list-style-type: none"> <li>○ SPI Data Management</li> <li>○ SPI and multiple data resources</li> <li>○ Excel sheets and hard copies</li> <li>○ Etc...</li> </ul> </li> <li>• Think about <ul style="list-style-type: none"> <li>○ Long Term vs. Short Term</li> <li>○ Users and their efficiency with instrumentation data</li> <li>○ Plant run and maintain data</li> </ul> </li> </ul> <p>Execution Steps:</p> <ul style="list-style-type: none"> <li>• Upgrade if necessary <ul style="list-style-type: none"> <li>○ Merger Utility requires both source and target to be the same version</li> <li>○ Import utility does not; however, recommended to do so</li> <li>○ Manual efforts does not require any upgrades</li> </ul> </li> <li>• Audits <ul style="list-style-type: none"> <li>○ Fixing source data issues</li> <li>○ Fixing source data to match target data such as supporting tables</li> </ul> </li> <li>• Communication <ul style="list-style-type: none"> <li>○ UDF and UDT data where target is not defined</li> <li>○ Custom spec forms (add or match target)</li> <li>○ Customization with UOM's, ESL, browser views, etc</li> <li>○ Revisions</li> <li>○ SPI items (New vs. Existing)</li> </ul> </li> <li>• Preparation <ul style="list-style-type: none"> <li>○ Prepare for the merge process <ul style="list-style-type: none"> <li>▪ Source data cleanup</li> <li>▪ Preferences</li> <li>▪ SPI items (New vs. Existing)</li> </ul> </li> <li>○ Prepare for the import process <ul style="list-style-type: none"> <li>▪ Source data cleanup</li> <li>▪ Data Extraction (New vs. Existing)</li> <li>▪ Import Links</li> </ul> </li> </ul> </li> </ul>	



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		<ul style="list-style-type: none"> <li>○ Preparation for Manual efforts                             <ul style="list-style-type: none"> <li>▪ Interpretation of hard copies of data sheets or CAD drawings into SPI</li> </ul> </li> <li>● Data Migration                             <ul style="list-style-type: none"> <li>○ Merger or Import utility                                     <ul style="list-style-type: none"> <li>▪ Test Phase</li> <li>▪ Production Phase</li> </ul> </li> </ul> </li> <li>● Post Data Migration                             <ul style="list-style-type: none"> <li>○ Merger or Import utility                                     <ul style="list-style-type: none"> <li>▪ SQL statements to fix issues if any</li> <li>▪ SQL statements to update necessary fields that the merger and import utility do not trigger</li> <li>▪ SQL statements to either migrate or fix ESL tables</li> <li>▪ Manual work for existing items</li> </ul> </li> </ul> </li> <li>● Final Review and Delivery</li> </ul> <p>Questions &amp; Comments:                      C: Import Utility doesn't matter on versions but good practice to do it, Import Utility only use Engineering Mode, Archives can't be transferred, Have test base dump                      Q: During migration – neither of database can't be changed – Owner/Operator downtime – Use View Only for Owner Operator.                      Q: Comparison between database – Currently, NO, future; Also, comparison between SPPID and SPI                      Q: Tag Naming Convention – Need to format targeting/ Spaces, Trailing spaces                      Q: SPI 2016 – enhanced to Import Utility</p>	
6	Forum Topics	<p>Forum Topics</p> <p style="text-align: right;">All Attendees</p> <ul style="list-style-type: none"> <li>● SPI Projects As-built                             <ul style="list-style-type: none"> <li>○ Will it allow merging without migration?</li> <li>○ Will it allow splitting a SPI database and combining later?</li> </ul> </li> <li>● SPI Vendor Interfaces                             <ul style="list-style-type: none"> <li>○ Emerson and E+H have new interfaces</li> <li>○ A New Vendor API allows the use of to-do-lists</li> <li>○ Methods for DDP data on vendor items</li> </ul> </li> <li>● SPI DDP Module                             <ul style="list-style-type: none"> <li>○ The use of configurable Groups</li> <li>○ Allowing vendors to supply group libraries</li> <li>○ Using third party DDP sources (Thomas.net)</li> </ul> </li> <li>● SPI Data Validation                             <ul style="list-style-type: none"> <li>○ How important is data validation for EPC?</li> <li>○ How important is data validation for O/O?</li> <li>○ What is your Validation tool of choice?</li> </ul> </li> <li>● SPI Integration                             <ul style="list-style-type: none"> <li>○ How many use SmartPlant Foundation for Integration?</li> <li>○ How many use home grown Integration tools?</li> <li>○ How many use a combination?</li> <li>○ How many just use export / import?</li> </ul> </li> </ul> <p>Questions &amp; Comments:</p>	

Item	Topic	Notes	Action/Due
		<p>C: Project As – Built – allow merging w/o migration – not for SPI 2016 but for SPI 2016 R1, SPI Vendor Interfaces – Webinar/ Vendor will modify to mapping requirements, E+H – API Interfaces – Cleaner, New To-Do list will allow over-writing data, Fisher will allow DDP; Thomas Net cloud interface (builds from certified tables) will allow certified data to come in; DDP Libraries are getting cumbersome</p> <p>Q: Plan for SPI to publish offline instruments in SPI – Intergraph will verify; Manufacturer and Models have to be identified up-front;</p> <p>C: Data Validation – Rule Manager is difficult to use; Doesn't validate Browser View – Most are using home-grown tools. Beacon – Canada – Dennis Cooley – Houston hasn't use it. Others users have use it and had success. Future presentation, Trial versions are available.</p> <p>Q: Does Fluor use SPPID to SPI – Only move data from SPPID to SPI and data correlation. Re</p> <p>Q: Is anyone using SAP Interface – Fluor is using on 2 projects – Use UDF for Function Location; One time import</p> <p>C: Fred Pollard, CoSyn suggested we have a presentation from Dennis Cooley on Beaconsuite validation software at the next meeting. – John to follow up...</p>	
8	Close	<ul style="list-style-type: none"> <li>• Next meeting will be November 11, 2015 +/- It was pointed out that 11-11-15 is a holiday so the date will change.</li> <li>• John Dressel closed meeting and thanked everyone for attendance</li> </ul>	