

SmartPlant Instrumentation Technical User Forum P2C2 (Houston SPI TUF) Meeting	August 6, 2008 8:00 am Fluor Engineering
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Attendees	36 Members in attendance 4 Online via Net Meetings	Copied To	LTUF Members
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Called By	John Dressel	Prepared By	Daniel Lopez
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Item	Topic	Notes	Action/Due
1	Call to Order	- John Dressel called the meeting to order & welcomed user group to Fluor's offices	
2	Chairman's Notes	<ul style="list-style-type: none"> - Thanks to members and guests for attending this meeting of the Houston SPI LTUF - Theme Work Sharing and Joint Venture. <div style="margin-left: 20px;"> Work Sharing Concept employs the use of the Owner / Operator mode with each EPC having individual projects. This situation is where multiple EPC are faced with one SPI database server. </div> - Issues to benefit user community also presented in this forum. - Upcoming Conferences were noted where SPI would have some interface or involvement in Technical Content. <div style="margin-left: 20px;"> Emerson Exchange ISA Expo Valuable training available noted as well as focus on Wireless environment. </div> 	
3	Minutes	- Minutes of last meeting approved	
4	Introductions	<ul style="list-style-type: none"> - Introductions by all in attendance beginning with Alex Koifman and Gina Outlaw. - Each member stood and introduced themselves and spoke of their utilization of SPI. - Welcomed several members who connected into meeting with WebexNetMeeting (including Frank Pollard (Syncrude); David Lamb (Conoco Phillips); Luis Archuletta (ARAMCO-Houston); Imitiyaz Syed (ARAMCO-KSA)) 	
5	Current SPI developments	<p>Alex Koifman spoke on the Current SPI developments, much of what was revealed at the Global TUF in Las Vegas, June 1, 2008 as well as updates and vision for SPI version 007 & 2008. Service Packs and what was planned for future releases.</p> <p>Integrated Engineering is the key within Intergraph's engineering tools. Integration is what Managers and Executives see as the most beneficial aspects among SmartPlant tools. Owner / Operators drive the success of SPI development.</p> <p>1st slide Guide teams with use of SPI Critical vision paths: Petrochemical is a fast changing industry and must get design entered correctly</p>	

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		<p>INtools has been accepted to all intents and purposes as the standard worldwide.</p> <p>User base community goes thru cycles as much attention is not only being provided to the oil and gas, petrochemical but also other industries. Focus now on (See slides)</p> <p>Intergraph tries to implement reliability from one version to the next and has consistently moved forward whether through Hot Fixes or Service Pack releases.</p> <p>SPI versions range widely by the Global User Groups. (See slide 2) Most of Intergraph customers face constraints to upgrade. Owner / Operator average time to upgrade is within 2-4 years of product release. To gain functionality Intergraph's choice is to get immediate value to the users, and not to wait until the next upgrade. Intergraph's goal is to make enhancement available within the Service Packs rolled out every 3-6 months.</p> <p>2008 Structural changes to Smart Plant Instrumentation noted that integration is written in .net, which is the basis for future development.</p> <p>June 12, 2008 released 2007.5</p> <p>Slide bullets</p> <ul style="list-style-type: none"> - IDEAL internal PDF Generator - Domain Explorer provision for moving mass data manipulation - Foundation FieldBus to conventional capability - Ability to change tag class with loss of information. - Typical Loop development restriction removed that limited only conventional tag class. - Calibration improvements - Integration with DDP to Smart Plant 3D. <p>SPLM V2008 Citrix / Terminal Server has more flexibility for user groups. Now user maybe directed to use a particular license server. This can reduce the number of Citrix Boxes.</p> <p>V2007.4 release Jan 2008. Specification module has more numeric and long character fields added.</p> <p>V2007.3 release Oct 2007. Delta V NAMUR NE-100 functional generic interface for exchange of data with all hardware valve and transmitter vendors. This is a change for all legacy interfaces.</p> <p>Removed the limitation of 200 fields.</p>	

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		<p>V2007 Service Pack4. Multi Strip added to the wiring module with ESL output verses the Panel Strip Report with end connections now may fit on one page.</p> <p>V2008 planned release was 4th Quarter 2008 now may not be until 1st Quarter 2009. Postponed for more testing and preference was to focus on SP for Versions already released.</p> <p>UNICODE supported for Asian markets of India and China.</p> <p>New Spec Form, Moves information requirements from Process Group and Vendors</p> <p>Flow Meter are now a two page specification form</p> <p>Control Valves are now a three page specification form</p> <p>Commissioning aspects now have three choices:</p> <ol style="list-style-type: none"> 1) Bundled (out of box) 2) OSI provided 3) customize your own specification forms <p>Normalized definition is between forms with consistently used fields.</p> <p>The Calibration module is using actual field from the Specification form.</p>	
6	Future short term development plans:	<p>V2008 Release To Market is pushed out to 1st Quarter 2009. Project may be disconnected from As Built for both Standalone & integrated environments.</p> <p>Re-use mechanism</p> <p>Use of Smart calibration devices like Fluke. SPI is a good solution to store calibration results.</p> <p>Support for cross plant wiring both EPC and As Built domains.</p> <p>i.e. single source can be communicated to different Control System across plant hierarchy. Currently must replicate cabinet into other units like OSBL utilities.</p> <p>Calibration to run against design data ERP & CMMS & SAP.</p> <p>Quality of instrument lower cost transmitter vs. vessel...</p> <p>Owner / Operator wanted to see SPI manage calibration Key changes different types of calibrations may be run on the</p>	

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		<p>same instrument and resulting data stored in SPI.</p> <p>Test Equipment tag classification may be stored in SPI. Calibration data may be stored in SPI. Calibration profiles/standards/test equipment...</p> <p>Resulting code reports are customizable with a time stamp.</p> <p>Improved support for offline project engineering.</p> <p>Offline execution of projects with less than 200 instruments. As Built project allows larger projects to be done offline.</p> <p>Schematic tools to support offline integration on the As Built side.</p>	
7	Short to Medium term	<ul style="list-style-type: none"> - Control & logic diagramming capability good for system integrators or EPC to develop - Design and Reuse - Handle loop tags / soft tags / CS tags - Package Vendor equipment – for an extra charge, Vendors will be able to deliver data in semi SPI Format. This is good for pre-feed like with UOP / KBR When a project buys a license they can get an SPI Package Vendor.... 	
8	Support and Service	<p>Gina Outlaw Huntsville Alabama Support and Services Manager previously worked for Exxon Mobil Refinery and Jacobs Engineering was introduced by Alex Koifman, Product Manager.</p> <p>Gina will address how Intergraph handles US organization of Support and Services. She explained the SR closure rates in the last 7 months from Jan through July of 2008 that were originated in the US and came through the Huntsville office. They also have a total of 8 remote analysts working on SRs. Some SRs, which were resolved & were released via Hot Fixes or they were pushed to the nearest Service Pack release. If they were delivered with the Hot Fix the SR was closed.</p> <p>Subject of Canadian SR tracking bulletin board where User feedback and dialog would add clarity to public SPI issues was discussed. Concern focused on security, unauthorized fixes were major issues and maintenance of website. Liam Webster had re-activated and revamp old website to make common ground however needed a valid P2C2 logon, which proved overly restrictive.</p> <p>Houston LTUF website unveiled and brief overview of content and substance was discussed. There is an area for archived presentations and minutes of meeting would be made available for downloads. User community noted other independent websites based in Dallas, Benelux and Australia where</p>	

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		<p>information is exchanged and references were made available; however it is with caution that users should employ backdoor solutions. Alex reminded users of the Siebel web page however noted the limitation where some SR were only available and contained within individual company logons. Siebel list of SRs was not segregated by Products. John Bolmanski of Jacobs noted that Check DB utility is the safest way to troubleshoot and maintain SPI DB and As Built DB. The SQL statements that are returned are safe and approved by Intergraph. If needed a trouble can be escalated to second tier</p>	
9	CR Rankings	<p>SmartPlant Instrumentation CR Ranking (See attached Spreadsheet) The following were briefly discussed see others on the list.</p> <p>CR73912, This CR deals with certain data from previous project to be Reused.</p> <p>CR73912, This CR involves the Tag Class integration with SP P&ID. V7 – Browser not good but can change I/O Type then change Tag Class later with Script (by OSI). Much of the discussion ensued HAZOP & other design changes, which affect the P&ID late in the Design. Some asked whether this limitation was a bug or a CR.</p> <p>- (see presentation for other CRs)</p>	
10	Forum Topics	<p>Using SPLM on Joint Venture Projects where multiple EPC's may qualify from one to another's SPLM, outside of the firewall. They either punch SPLM through firewall or have it reside in the room with the SPI server. Each EPC may use their license. Regarding protection any continuity needs to be controlled by IT. If concerned with security, Project may decide for external Hosting of SPLM such as with OSI. IP Driven for connectivity uses multiple servers with use of Citrix or Remote Desktop Connection. Alex provided details of how the License Server works. (Individual user reads registry entry where SPLM resides, etc.)</p> <p>Work share support is not 24/7 therefore one may have records locked until administrator at Hosting site could get to a solution. Consideration should be made for downtime and support risk (back bill for downtime), focus on IT support mechanics. Another consideration is when the T-1 line may go down yet the SPI server may be up via UPS. Software issues have been reported using non Intergraph approved Virtual Server. It did not work and resulted in downtime and variances until changes were implemented including a change from SQL to Oracle. Intergraph tested Oracle and SQL and did not find problems with 2007 & SQL Server, though some peculiarities were noted by Alex Koifman. John Dressel said SQL performance was OK, but individual users would get locked</p>	

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		<p>session. This did not happen while using Oracle Tables.</p> <p>Intergraph's experience with large Global implementation is to examine and consider Business requirements verses cost for what is being implemented. Hosting definition must involve dealing with your company's IT department. Intergraph will provide some help, when it is in Intergraph's best interest. Saudi Aramco is being helped with setting up a very large project. In this situation it is in Intergraph's best interest to spend a few weeks, early on the project, assessing risk. This would translate to a more streamline setup and lets each EPC know how the team is built especially these days with costs escalating and current lack of expertise in workforce. It is best to put a work process or practice in writing. This also has the added benefit to make management aware of the complexity of the work share process with Multiple EPC involvement.</p> <p>Some concerns of mitigating risk can be shared through this LTUF. They may include Pillar to Pillar differences, controlling user preferences, implementing specifications or work practice, common support tables, keeping instrument types to a minimum, and items like rules management, which will help automate the Engineering phase of a project. One can either clamp down on control then release on an as needed basis. Typically one EPC Pillar will get ahead of others and have the need for a new Specification, Instrument Type or other entity. It would be developed and submitted to the primary EPC for comment and inclusion to the dataset of all pillars. Cross Pillar Workshops should be held periodically to share experiences and to communicate changes or additions to dataset or work process (such as printing issues, additional or deleted instrument types or the implementation or use of say, batch loop creation).</p> <p>Once As Built the Owner Operator takes possession of the SPI database he must maintain it for the life of the plant; therefore the Owner Operator wants delivery of a generic configuration. Part of this process is a clean up or removal of data, which was used solely in the Engineering Phase. This process must be budgeted and become part of the project's execution plan. It would then be easier to come to a client agreement at project completion. The objective is to avoid costly delays by finding risks up front to mitigate if not entirely eliminate them.</p> <p>Alex, spoke of executed strategies for multiple / joint venture projects using As Built for Greenfield where each EPC / Pillar has their own project. Claims for entities would then be made by EPC's, Integrators, MACs and Package Vendors from the As Built domain.</p>	
11	Open Discussion	Work share file based integration concerns for projects connected to SPI and SP P&ID.	

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	items & user comments	<p>OBDC save as must have a full blown client in same room.</p> <p>Tom Woodbury from Greenville office noted time response for generation of an ILD. He was concerned about performance due to connectivity network problems. Local generation takes 45 seconds vs. 10 minutes via network. OSI or CSC Application Service Providers need to examine these issues.</p> <p>PDF creation can be addressed using PDF Creator, PULLZIP or PDF 995. In version 2007.5 PDF generator will be built in to the Spec Binder or Batch Print for Spec's. It will not be available in browsers or individual reports.</p> <p>In ESL some noted that the ability to "SAVE TO THIS LAYOUT" has been grayed out however you can "SAVE TO THIS DWG ONLY" is enabled.</p> <p>Darrell Cohen asked if others use the Document Binder. Most users have not due to frustrations. More focus should be made to make the features of this tool dependable.</p> <p>-</p>	
12	Close	<ul style="list-style-type: none"> - Review of meeting - Review of action items - Next meeting will focus on Material and will be held <u>November 5, 2008</u> <u>8:00 A.M. to 12:00 P.M.</u> <u>Phoenix Contact</u> <u>3993 W Sam Houston Pkwy</u> <u>Houston, TX</u> - John Dressel closed meeting 	