2009 Siemens PLM Connection Training Topics- Last Updated: 03/06/09		Category	Audience	Level	Abstract
NX 6	What's New in NX 6 Modeling	Design	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Modeling. Topics include block & cylinder associativity, geometric transform commands, cross section edit, and more.
NX 6	What's New in NX 6 Drafting	Drafting	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Drafting. Topics include Sketch in Drafting, interference curves, 2D and 3D centerlines, oriented section view, and more.
NX 6	What's New in NX 6 Assemblies	Assemblies	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Assemblies. Topics include NX Relations browser, deform components, move component, replace component, and more.
NX 6	What's New in NX 6 Sheet Metal	Design	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Sheet Metal. Topics include contour flange, multi-segment lofted flange, bend taper, closed corner, flat pattern, normal cutout, and sheet metal from solid.
NX 6	What's New in NX 6 Curves and Surfacing	Design	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Curves and Surfacing. Topics include combined curve projection, mirror curve, patch openings, n-sided surface, and more.
NX 6	What's New in NX 6 Manufacturing	CAM	End Users	New/Intermediate	This course is an introduction to what's new in NX 6 Manufacturing. Topics include normal to first face, merge distance, tool path smoothing, Z-level, Plunge Milling, Wire EDM, and more.
NX 6	NX Routing Overview	Routing	End Users	New/Intermediate	This course is an introduction to NX 6 Electrical Routing. Topics include an overview of the application, placing parts, creating paths, assigning components/connections and routing Wires.
NX 6	Introduction to NX 6 Flexible Printed Circuits	Wiring	End Users	New/Intermediate	This course is an introduction to NX 6 Flexible Printed Circuits. Topics include an overview of the application, creating planar segments and transitions and other FPC operations.
NX 6	NX Reuse Library	Design	End Users	New/Intermediate	This course is an introduction to the Reuse Library Functionality in NX 6. Topics include activating the Reuse library, organization of the library, creating and adding library entries, using library objects and industry standard parts libraries.
NX 6	NX Administration	Administration	End Users/Administrators	Intermediate/Advanced	This course will demonstrate how to modify/configure an NX installation with some of the more commonly modified settings. Topics include how to install/configure the Machinery Library, how to configure the File New dialog to see customer template files, how to set up Network Roles, discuss some common environment variable changes, and more.
NX 6	Synchronous Technology Modeling Tools for the CAE Analys	Simulation	End Users	Intermediate	Synchronous technology CAD modeling tools provide a means for quick changes to design features without any knowledge of the CAD history. These tools allow the CAE user to quickly remove design features unnecessary for the analysis. It also allows the CAE user to make design studies to quickly identify an improved design, even supporting design optimization on "orphan" CAD data. This workshop will provide step-by-step examples of synchronous technology methods in the context of the CAE analyst or design engineer.
NX 6	NX Laminate Composites	Simulation	End Users	Intermediate	NX Laminate Composites helps you to efficiently create and optimize laminate definitions, and to validate the design of composite structures using NX Nastran or other solvers. The software integrates advanced functionality such as ply-based modeling, draping, and flat pattern creation, into simulation-centric workflows. Post-processing and advanced reporting tools allow you to efficiently identify problem areas from your simulation results. In this workshop, you will be validating the design of a composite structure subjected to several loading conditions. You will combine fiber and matrix properties into laminate ply materials. You will define laminate plies using the traditional zone-based approach, and also using ply based modeling.The worskhop will cover the definition of material orientations, as well as the location of the laminate's bottom ply with respect to the mesh surface. Manufacturing simulation will determine if fabric bridging or wrinkling will occur. You will perform NASTRAN structural simulations and review the solver results in NX Post. Finally, you will review the composite ply failure margins of safety using a
NX 6	Simulation Workflow in a Managed Environment	Simulation	End Users	Intermediate	This workshop is an introduction to using NX Advanced Simulation with Teamcenter Unified Architecture. A simple finite element model will be created, analyzed and managed using Teamcenter. Participants should be familiar with both CAE and data management, however proficiency with the software products isn't required.
NX 6	Modeling a Satellite System with NX Assembly FEM	Simulation	End Users	Intermediate	This workshop covers the use of NX Assembly FEM for modeling a satellite system. Individual components of the satellite are first modeled independently. Then using NX Assembly FEM, the components are integrated into subsystems and then the complete system using the CAD assembly architecture. Finally modes of the system are solved.
NX 6	Introduction to NX Open for CAE Processes	Simulation	End Users	Intermediate	This workshop introduces users to developing automated processes for analytical simulation using NX Open tools. The workshop starts with a review of a nonlinear analysis process automation routine created from user recorded Journals, then has the participants write additional code to extend the capabilities of the routine. Working knowledge of Visual Basic is highly recommended.
Tecnomatix	Assembly Process Validation using Process Simulate on Teamcenter	Digital Manufacturing	End Users	New	Learn the basics of creating simulations to validate and visualize assembly sequences, create videos, etc... using Process Simulate on Teamcenter (Unified). Some knowledge of Teamcenter prerequisite.
Tecnomatix	Human Process Validation using Process Simulate on Teamcenter	Digital Manufacturing	End Users	New	Learn the basics of creating human simulations to validate assembly processes using Process Simulate on Teamcenter (Unified). Human simulations can consider the ability to reach into confined spaces, walk, and more. Some knowledge of Teamcenter prerequisite.
Teamcenter	Training	PDM	All	All	This session covers the Teamcenter training offerings available from Education Services. It reviews self paced training, instructor led training and user documentation. It will also discuss the direction of training and documentation and gather feedback on customer needs and solutions. This session is ideal for those responsible for developing training plans within their companies.
Teamcenter	Schedule Manager	PDM	End Users	New	This session covers the basics of using Teamcenter Schedule Manager. It focuses on schedule management with concepts and procedures presented on: creating schedules, creating milestones and tasks, assigning resources to tasks, integrating tasks into workflows, creating and assigning deliverables.
Teamcenter	Teamcenter Security	PDM	End Users	New	This session reviews the Teamcenter Organization functionality with focus on additional security scenarios.

Teamcenter	Introduction to BMIDE	PDM	Administrators	Intermediate	This session introduces the new Business Modeler IDE functionality in Teamcenter. The BMIDE is used to extend the data model, i.e., business objects, classes, datasets, options, LOVs, business rules, etc.
Teamcenter	Teamcenter Transition Strategies	PDM	Management	New	This session covers what management should consider when mapping out an Enterprise or Engineering transition to Teamcenter plan. Topics include good practice for planning upgrade to production, creating a checklist, single and multiple locations, developing an architecture test bed, creating a transition guidance team and determining an accurate depth of scope for such a project.
Tc Visualization	Introduction to 3D Visualization	Visualization	End Users	New/Intermediate	Open, view, analyze, measure, and markup 3D models without a CAD package. Learn visualization basics in this hands-on session, using the Teamcenter 2007 lifecycle visualization software.
Tc Visualization	Generating Part Extraction Paths	Visualization	End Users	Intermediate/Advanced	Can you change the oil filter without removing the engine? Find out before you build the car. Learn to generate collision-free part extraction paths in this hand-on session, using the Teamcenter 2007 lifecycle visualization Path Planning module.
Tc Community	Using Teamcenter for Community Collaboration	Collaboration	End Users	New	This session demonstrates the fundamentals of the major features of Teamcenter for community collaboration 2007 MP1, including document library and picture library enhancements, conferencing, and Visual Issues. Students should have prior knowledge of working with Microsoft Office SharePoint Server (MOSS) and Windows SharePoint Services (WSS) 3.0.
Tc Community	Teamcenter for Community Collaboration Integrations with Teamcenter for Engineering Process Management and Teamcenter for Enterprise Knowledge Management	Collaboration	End Users	New	This session covers the fundamental concepts and procedures for using the Teamcenter, Teamcenter Express, Teamcenter for engineering process management, or Teamcenter for enterprise knowledge management integration in Teamcenter for community collaboration 2007 MP1. You will become familiar with the Teamcenter Integrations Web Part, activating the Integrations feature, accessing your data in the integrated repository, and performing actions on that data from the Web Part. You should have a prior knowledge of using Teamcenter for community collaboration and Microsoft Office SharePoint Server (MOSS).
Tc Community	Best Practices using Visual Issues in Teamcenter for Community Collaboration	Collaboration	End Users	New	This session will offer hands on experience using Visual Issues to improve product quality by securely sharing Teamcenter data in a collaborative environment. We will highlight the use of Visualization and List Roll Up for knowledge capture and reuse. This class is intended as a proof of concept to presentations in the Teamcenter Community track given by Siemens PLM Software, Microsoft, and Applied Materials. Prior experience using Community Collaboration is useful but not critical.
Tc Environmental Compliance	Introduction to Environmental Compliance	Compliance Management	End Users	New	The Introduction to Teamcenter Environmental Compliance provides an overview of environmental reporting requirements for Teamcenter customers. Brief summaries of pertinent regulations are presented initially, followed by architectural overview of Teamcenter Environmental Compliance. The majority of classroom time will involve hands on exercises consisting of extracting BOM's from Teamcenter, importing material declarations, analyzing content for prohibited substances, external report generation, and status updates back into Teamcenter.
Tc Medical Devices	An Introduction to Teamcenter Community for Medical Devices	Compliance Management	End Users	New	This session covers the fundamental concepts and procedures for building an effective compliance management strategy with Teamcenter for medical devices. You will become familiar with how Teamcenter supports processes that are critical to proving compliance such as Design Master Record (DMR) and Design History File (DHF). You should have a prior knowledge of using Teamcenter.
Tc Reporting and Analytics	Teamcenter Reporting and Analytics Overview	PDM	All	New	This overview is intended for a wider audience who may or may not be aware of TcRA. The presentation will introduce the audience to TcRA 2008, its application, and its architecture. The audience will see live examples of key features in the latest version of TcRA, such as slicing dicing, dynamic analytic capabilities (such as: creating hierarchies on the fly, adding derived columns (measures) based on custom functions and formulae, developing different view of the "cube" on the fly for better visibility, creating different layouts of the report, portal publishing, the scheduler, and dynamically building KPIs and dashboards. The training will also highlight some of the major enhancements done in the user experience and the simplicity of creating reports, and the rich formatting options available. The presentation will highlight some typical Dashboard, KPI and reporting needs seen across the customer base.
Tc Requirements Management	Introduction to TcUA-Requirements Management Module	Product Requirements	End Users	New/Intermediate	Introduction to managing requirements using the Requirements Management Module in Teamcenter Unified Architecture. Topics will include accessing the Requirements Management Module as well as creating, editing, and linking requirements through the RMM. Interfaces to Word and Excel will also be demonstrated.
Solid Edge	Mastering the New User Interface	Design	End Users	New/Intermediate	In this Solid Edge hands-on training session, you will learn how to master the new user interface.
Solid Edge	Using the New Features in Drafting	Design	End Users	Intermediate	In this Solid Edge hands-on training session, you will learn to use the new Drafting enhancements in SE ST 2.
Solid Edge	Getting Started with Synchronous Technology	Design	End Users	New/Intermediate	In this Solid Edge hands-on training session, you will learn how to get started using Synchronous Technology.
Solid Edge	ST2 Part Enhancements	Design	End Users	New/Intermediate	In this Solid Edge hands-on training session, you will learn to use the new Part enhancements in SE ST 2.
Solid Edge	Analysis for Designers/Engineers Hands-on Training	Design	End Users	Intermediate/Advanced	In this Solid Edge hands-on training session, we will teach you Analysis for Solid Edge Designers and Engineers.
Solid Edge	Using Synchronous Sheet Metal	Design	End Users	New/Intermediate	In this Solid Edge hands-on training session, you will learn to use the new synchronous Sheet Metal modeling enhancements in SE ST 2.
Solid Edge	Synchronous Technology Best Practices 1	Design	End Users	New/Intermediate	In this Solid Edge hands-on session we will cover the following areas of synchronous design and provide best practice techniques for each: - Steering Wheel - lesser known functions - Selection Manager - understanding the options - Aligning Holes - creating and maintaining alignment - Holes - separate or break
Solid Edge	Synchronous Technology Best Practices 2	Design	End Users	New/Intermediate	In this Solid Edge hands-on session we will cover the following areas of synchronous design and provide best practice techniques for each: - Advanced Live Rules - Rigid Set vs. User Defined Set - Centering Features About a Coordinate System - Moving a Body to the Base Coordinate System - Symmetric About Base - when the part is not symmetric - Synchronous Assembly - How to Reestablish an Assembly Relationship - Face Move Workflows in Assembly - Template Shapes for Quick Assembly/Part Creation
Teamcenter Express	New Tools for Smart Customization & Implementation of Tc Express	PDM	End Users/Administrators	New/Intermediate	This session is a hands-on introduction and overview of new tools for smart customization and Implementation of Teamcenter Express.