

## ***Teamcenter Unified Academic Bundle – TCUACAD100C***

TC10101 **Teamcenter Author** - Provides data creation and modification for product and process information.

TC10231 **Change Management Author** - Provides pre-configured, best practice solutions to initiate, administer, review/approve and execute product changes on an enterprise basis. Change Management supports a formal and less formal processes that take advantage of multiple change documents (e.g., change orders and change notices) to manage product changes repeatedly and systematically in accordance with the requirements of industry-standard, closed-loop change models.

TC10405 **Teamcenter Open (SDK)** - Collection of open tools to extend the Teamcenter application.

TC10408 **Multi-Site Collaboration** - This product is for sharing data between different Teamcenter sites as well as between Teamcenter and Teamcenter Enterprise using either Global Multi-site, Classic Multi-Site or Briefcase.

TC10409 **STEP AP 203/214 Translator**

TC20620 **Visualization Mockup** - Provides named user access to the following deployments of Teamcenter Visualization connected to Teamcenter:

- Visualization application integrated with Teamcenter
- Visualization embedded into Teamcenter rich client
- Neutral-file support, includes VRML and STL.
- Read of STEP, IGES, and DXF with associated optional JT translators
- Extensive static and dynamic clearance analysis tools
- Advanced attribute and property filtering to control geometry displays
- Volume clipping either inside or outside of a cuboid
- Extensive geometry editing tools Including re-tesselation, decimation and creation of shrink-wrap volumes
- Motion capture for output to appropriate movie formats

TC20707 **Visualization Animation Creation** - Enables the creation of multi-media motion sequences.

TC20715 **Visualization ECAD Viewer** - The ECAD viewer allows the user to visualize ECAD Board Layout files from Cadence Mentor, Zuken plus other manufacturing PCB board files. View and markup of Printed Circuit Board files from over 35 ECAD formats are supported.

TC20725 **Visualization Concept Desktop** - Set of tools that allow users to add visual realism to their product data and place the product data in simulated real world environments. Presentations are then constructed by organizing views of the environments into scenes that are played back on the desktop display or any device connected to a single video-out channel of the client computer.

TC20727 **Visualization Concept Showroom Render** - Includes the ability to configure up to four render nodes to drive a high-end display out of the box.

TC20705 **Visualization Publish** - Enables the engineering professionals to author, distribute and visualize the most current product data in a controlled, multi-media environment and provide the work and maintenance instructions to downstream users.

## **Servicios Informáticos DAT, S.L**

- Leveraging JT Data and Teamcenter Visualization software,
- Repurposing existing product data,
- Integrating 2D and 3D environments,
- Automating the maintenance of data, and
- Allowing export of information as HTML pages as well as other vector and raster formats.
- Exploded View
- Volume Clipping
- Hidden-line Removal
- Viewing "through the mist"
- New authoring environment - illustration sheets
- Document organization - illustration books
- Automatic data reconciliation
- 3D view capture made easy
- Palette area stores 3D views
- Generate parts reports
- 3D mark-up collaborative environment

TC20706 **Visualization Analysis** - Cross Section Manager enables the creation of multiple cross-sections along an axis or a curve. View and measure between multiple cross-sections and output the graphical results in HPGL format. Interference Manager provides a set of tools to manage clearance calculation results. Reloading previous results increases clearance calculations performance. Priority, status and comments may be assigned to each interference issue.

TC20726 **Visualization Concept Showroom** - Set of tools that allow *Concept Desktop* presentations and other visualization work to take place within high-end and immersive display environments (Powerwalls, CAVEs, etc) utilizing tracked immersive interaction devices. Whether it be full VR scenario or just large displays, they are supported with Concept Showroom.

TC20735 **Visualization Jack** (add-on module to TC Vis Mockup) - Allows you to populate a TC Visualization scene with a digital human and investigate basic ergonomics issues including reach, fit and vision. TC Visualization Jack Option helps address human factors early in the design cycle, with digital people and prototypes.

TC20745 **Visualization VSA** - Powerful dimensional analysis tool used to simulate manufacturing and assembly processes and predict the amounts and causes of variation (aka tolerance analysis). With TC Visualization VSA Option, a 3D model is created to simulate the production build process. The model includes product variation (part GD&T and tolerances) and process variation (assembly sequence and assembly constraints). Once contributors to variation are identified, part design, tolerances and the assembly process can be optimized to ensure proper fit and function.

TC20746 **Visualization VSA FEA** - Module to Vis VSA which will enable the dimensional analysis to be extended to account for component flexibility. Component flexibility can be a major effect in the propagation of variation in automotive sheet metal components, plastic injected molded parts, and aircraft structural components. Incorporating component flexibility is done through linking FEA results with the desired Vis VSA parts and/or assemblies. Supported FE solvers include NX NASTRAN, MSC NASTRAN, and I-DEAS.

## Servicios Informáticos DAT, S.L

**TC20747 Visualization Quality Producer** - Tool used to graphically display, analyze and communicate production measurement data in a high-end visualization environment. Graphical reports combining measurement data with 3D geometry can be created quickly and easily.

**TC30401 Classification Author** - Provides the ability to link objects with classification codes and to search for objects based on classification hierarchy and associated attributes. Classification facilitates reuse of existing parts, products, processes, and the knowledge captured in their designs by making those objects easy to find via their classification.

**TC30501 Context Management Author** - Provides advanced context management & validation tools for repeatable product, design & manufacturing process validation. Formally known as RDV.

**TC30600 NX Embedded Client** - Integration between Teamcenter and NX products including NX, NX2D, and NX I-deas. It also supports access to Teamcenter via the NX product user interfaces enabling functionality such as vaulting, check-in/check-out, revision management, attribute synchronization and searching.

**TC30701 Product Configuration Author** - Enables the user to leverage the commonality across the product suite and manage a whole range of product variants in a single product structure.

**TC30711 Lifecycle Representations Author** - Provides the ability to associatively define multiple representations for different lifecycle stages or uses for a product or process. The capabilities include tools to create mapping between the multiple representations and to compare the consumption of end items in each. The applications enabled with Lifecycle Representation include Collaboration Context and the Multiple View Editor.

**TC31005 Integration for Mentor Board Station**

**TC31301 Simulation Author** - Provides an easy-to-use environment that will enable:

- Standardization and repeatable processes for simulation that can be leveraged by users.
- Access to simulation data by an increasingly diverse population of users across the enterprise.
- Access to specific simulation data, in context.
- Complete integration with the corporate product structure and supporting data, including management of configurations and variant conditions.
- Simulation users to have the flexibility to operate independent of the design cycle, if needed in their environment.

**TC31006 Integration for Cadence Allegro**

**TC31007 Integration for ClearCase**

**TC31101 Embedded Software Management Author**

**TCM55005 Teamcenter Manufacturing Part Author**

**TCM55001 Teamcenter Manufacturing Assembly Author** - This module allows users to define a process plan for part manufacturing operations. This includes the definition and management of product, process and plant structures and their relationships to each other, and to modify multiple manufacturing related structure data. The functionality provided by this product is as follows:

- Creating operations
- Creating work areas

- Associate resources (if resource module is purchased) to work areas and process/operations
- Associate product to process/operations.
- Creating/viewing activities under operations.
- Generating reports
- Sequence operation using Pert Diagram
- Performing accountability check
- Load and modify multiple structures

**TCM55010 Teamcenter Manufacturing Resource Manager** - This module allows users to define resource components and resource assemblies. These resources can then be classified in the Teamcenter Classification library. This includes the definition and management of resources and the BOM of these resources.

The functionality provided by this product is as follows:

- Creating resources
- Creating resource assemblies
- Classify resources
- Create 3D graphics of resources
- Guided Component Search for knowledge based creation of resources assemblies
- Generating reports
- Performing Where used checks

**TCM55000 Teamcenter Manufacturing Access** - This module provides a view-only application to interrogate manufacturing data structures. Users will be able to:

- Create, view, and store reports.
- Create and edit attachments
- Filter based on configuration if the module is purchased
- Browse process and operations and work areas
- View associations of resources (if the resource module is purchased) to work areas and process/operations
- View associations of product to process/operations.

**TN85005NU Process Simulate on Teamcenter** - Enables planning and designing of complex assembly facilities, lines and workplaces. The product supports a structured process from block layout, through line planning to detailed design and optimization, verification and simulation of individual workplaces.

**TN85010NU Assembler for PS on Tc** - enables the design, analysis and verification of product assembly and disassembly processes. It features a hierarchical assembly tree, allows the creation and simulation of assembly paths and Sequences of Operations (SOP), and enables collision detection, as well as 2D and 3D sectioning and measurement analyses.

**TN85015NU Spot for PS on Tc** - Enables users to create spot welding processes from early planning phase up to detailed engineering stages.