

JLR C3PNG Stabilisation Supplier update – October 2019

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Version History

Version	Date	Author	Notes
1.0	12-09-2019	Tpower3	First release issued for approval
2.0	03-10-2019	Tpower3	Added section 5 – Supplier Macro's

1 Introduction

The C3PNG environment, comprising Teamcenter (Tc), Catia, Digibuck and eMS (Process Simulate + Process Designer), is used to support design and manufacturing engineering activities for the majority of product development programmes within JLR.

The C3PNG stabilisation project will upgrade the existing JLR C3PNG environment to deliver a number of key business benefits. Major JLR requirements to delivering the C3PNG stabilisation project are;

1. Minimal change to business processes and partner processes
2. No change to global JLR, partner and supplier accessibility

C3PNG Stabilisation is a tactical deployment to support JLR IT modernisation projects. There is no impact on the development strategy of the JLR Enovia 3DExperience platform, which currently supports the L663 Programme

1.1 C3PNG Stabilisation Project Outline

The current JLR C3PNG environment is partly or fully out of support at all tiers of the technology stack and is incompatible with key JLR IT modernisation projects e.g. Windows 10

Upgrading the existing C3PNG environment, will deliver some key JLR and supplier benefits;

- Improved supplier and partner collaboration
- Bring Teamcenter and CATIA into vendor support
- Removes the need for suppliers to maintain legacy systems and hardware to support JLR
- Exposes improved functional capability due to the maturation of the C3PNG products since 2007

The solution will upgrade server and client side elements to bring the JLR C3PNG stack into full vendor support, and align with strategic JLR target architectures.

The client elements of C3PNG stabilisation will be compatible with both Windows 7 and Windows 10 operating systems. While elements of the user interface will change due to the later product versions, overall the intent will be to minimise business process change as a result of the upgrade.

1.2 JLR Deployment Timing

The solution deployment of C3PNG stabilisation will aim to achieve cutover from existing C3PNG software versions in a defined time period (TBC). Suppliers will need to upgrade any applicable client side environments (Tc, Catia V5, Process Designer & Process Simulate) in line with the JLR cutover period.

Communications will be sent to suppliers to advise on deployment timing and supplier actions as the project matures

2 Document Objective

The purpose of this document is to provide guidance to External Partners to assist in upgrading local supplier environments in-line with JLR C3PNG upgrades. It is important that suppliers begin the process of readiness planning now. This will allow for a smooth transition at Go-Live and be non disruptive to exchanging engineering data with JaguarLandrover (JLR) and external partners.

It is important that no 'live' changes are made to any existing C3PNG environments at supplier sites that currently support CAD integration with JLR, before any formal JLR Go-Live communications.

Some elements of preparation for supplier site readiness to support C3PNG stabilisation can be actioned now. This document outlines some of these steps.

3 Supplier Readiness Planning

It is important that C3PNG supplier and JLR integration is not affected by the upgrade. In order to prepare for a smooth transition to the new C3PNG environments, it is essential that suppliers begin some elements of readiness planning now.

It is recommended that suppliers where possible look to deploy any C3PNG supplier client side upgrades at supplier site(s) to **Windows 10** mobile and desktop client workstations.

3.1 To Be Client Side Environments

Siemens Teamcenter®

The Teamcenter application layer will be upgraded to **Tc 11.5.0.2**

Dassault Systemes Catia®

The Catia toolset will be upgraded to **V5R26 SP5 HF24**

eMS

Digital manufacturing solutions Process Designer and Process Simulate (within the eMS Tecnomatix application suite) will be upgraded to **Process Designer 14.1** and **Process Simulate 14.1**

3.2 Teamcenter 11.5.0.2

Suppliers who are currently direct connected to JLR Tc 2007, should begin the process of planning for upgrade to Tc 11.5.0.2 now. The updated JLR Tc 11.5.0.2 supplier package is currently in development and will begin UAT testing at the end of October 2019. The production JLR Tc 11.5.0.2 supplier package, will be hosted by the Siemens VAR channel and be available to be 'pushed' to suppliers at a date to be confirmed.

Tc Readiness Activities

- Contact Siemens or your Siemens VAR sales representatives that supplied your original JLR Tc 2007 client software (JMS4063 Authoring client or JMS4060 Viewing client) and confirm you have a current maintenance contract for existing Tc software. A current maintenance agreement will allow suppliers to upgrade at no-cost to Tc 11.5.0.2. Suppliers with no current maintenance will need to discuss options with Siemens or their VAR sales representatives.
- Review Siemens Tc hardware and software pre-requisites to support Tc 11.5.0.2 at;
<https://www.plm.automation.siemens.com/global/en/support/certifications.html>

3.3 Tc 11.5.0.2 Supplier Connectivity

For fully integrated Suppliers who have a current connection to JLR Tc 2007, with a dedicated point-to-point connection [PI VPN, ENX, or MPLS], some network configuration changes will be required at the supplier site(s). These changes will be communicated when the necessary JLR infrastructure has been productionised and configured.

- Please contact the GSI team on jlrsgit@jaguarlandrover.com with any network connectivity questions

3.4 Tecnomatix Process Designer and Process Simulate 14.1

If current supplier installations of Tecnomatix Process Designer and Process Simulate environments are not at version 14.1, please contact Siemens or your Siemens VAR sales representatives to discuss planning of upgrade(s) and requirements.

Suppliers who have a current maintenance contract for their Tecnomatix products are entitled to download the software from the link below using your Webkey account. Customers who are not in maintenance, will need to speak to their local Siemens representatives to discuss options.

<https://download.industrysoftware.automation.siemens.com/>

3.5 Dassault Systemes Catia V5R26 SP5 HF24

Suppliers who currently use Catia V5R18 to author CAD data at supplier organisation site(s) to support JLR CAD delivery, will need to upgrade to V5R26 SP5 HF24.

Please be aware that at the C3PNG Stabilisation Go-Live date, Catia R18 will not be supported at JLR and will not be able to integrate with the new JLR version of Tc 11.5.0.2. Please begin planning to upgrade your current V5R18 CAD environments now.

For suppliers with existing ALC/RLC maintenance package(s) with Dassault Systemes for current Catia software installations, there is no upgrade cost for V5R26 installation.

Catia V5R26 Readiness Activities

- Catia V5R26 SP5 HF24 can be downloaded from the Dassault Systemes support website. Suppliers are able to install V5R26 software before any Go-Live confirmation from JLR.

https://software.3ds.com/#_ga=2.11698365.886595868.1562082384-28afc990-1983-11e9-824e-291262307db3

- The upgrade of Catia V5R18 to V5R26 will mean that a LUM licencing environment will no longer be required at supplier site(s) to support JLR.

Where a supplier only has a single V5 environment of R18 to support JLR, you will need to install the correct version of DSLS (see below link) and request from your VAR that the existing LUM V5R18 licence, be re-cut for V5R26 DSLS

Where suppliers have multiple Catia environments, a check will be required on the installed DSLS version, so that it supports V5R26 and any other Catia versions installed.

If a supplier already has V5R26 or a higher revision of V5, your DSLS installation will not need an upgrade.

DSLS versions can be downloaded from the Dassault Systemes portal

<https://www.3ds.com/support/documentation/resource-library/single/dassault-systemes-license-server-and-license-keys/>

In the case of any Catia V5 and/or DSLS questions, please refer to your Dassault Systemes VAR.

- Suppliers will need to ensure that current hardware and operating systems for clients receiving a V5R26 upgrade are compatible. Please reference Dassault Systemes client pre-requisites document.

<https://www.3ds.com/support/hardware-and-software/>

3.6 JLR Tc 11.5.0.2 Supplier Organisation and User Authentication

Currently JLR Tc 2007 supplier access is managed with the User Access Registration System (UARS). Supplier FSN-ID's are required to access and to request access to JLR Programmes in Tc 2007.

FSN-ID's will continue to be utilised for supplier access to Tc 11.5.0.2 and it is planned that the UARS process will migrate to the Identity Access Governance (IAG) authentication process. More details on the new supplier Tc 11.5.0.2 authentication process will follow.

Single Sign On (SSO) will be introduced where your Teamcenter access with FSN-ID and will be via the Covisint portal. Please ensure your Covisint login credentials are up to date and valid.

3.7 Supplier users of IT hardware with JLR image

Suppliers with JLR or supplier hardware that have a JLR image, are required to come to a JLR site to receive the C3PNG package upgrades via SCCM. Laptops ideally should be hardwired to a JLR Lan port, to receive the updates. SCCM can deliver the C3PNG packages via JLR site Wi-Fi, but takes considerably longer. A two stage update process is planned with an initial 'dormant' update installed pre the Go-Live date and a second stage install to initialise the dormant installation at the point of Go-Live.

3.8 Teamcenter Visualisation 11.5 (TcVIS) installation

Install Teamcenter Visualisation (TcVis) 11.5. This can be downloaded from the Siemens GTAC support website. Login using your registered Siemens webkey. This is associated to your SoldToID which is related to your Siemens software maintenance renewal. If unsure, contact Siemens or your Siemens business partner to discuss. Please consult the GTAC web site for the required Teamcenter Visualization updates. TcVIS 11.5 can be installed at any time before JLR Go-Live.

http://www.plm.automation.siemens.com/en_us/support/gtac/index.shtml
[TcVis 115 win64.7z](#)
[TcVis 11502 win64.exe](#)

3.9 Supplier Macros


Supplier Custom macros which support parametric modelling, optimisation and other design process efficiencies, will need to be upgraded with new versions of V5 knowledgeware and VB compiler to support V5R26. Suppliers will be responsible for any change or updates to existing V5R18 macros.

3.10 Supplier Visualisation Mockup (VisMockup) software

Suppliers with existing local instances of Teamcenter Visualisation Mockup software, can upgrade to the latest version from the Siemens GTAC Support website.

3.11 Java Runtime Environment (JRE)

Java Runtime Environment 64 bit JRE 1.8.30 or later is required to support Tc11.5 installation. Install to PC client with OOTB settings.

Eg.  jre-8u211-windows-x64