

Business Process Accelerators BPA Delivery 5 for V5R18

Business Process Accelerators (BPAs) are the result of service engagements with industry-leading customers, in order to transform specific applications and automate best business practices into standard software, which is then bundled and extended to the complete community of Product Lifecycle Management Solutions users and business partners.

The PLM Solutions portfolio is enlarged with the following BPAs:

- BPAs dedicated to specific industry business processes include:
 - CATIA V5 Automotive Extensions / Vehicle Architecture (CM9, CO9, CA9, CV9, and CW9)
 - Flexible PCB Automation (FP9)
 - Progressive Die Strip Layout Design (SL9)
 - Power Feature (PF9)
 - Weight&Balance for ENOVIA V5 (WC9)
 - Chassis Suspension Simulation Tool (CH9)
- BPAs dedicated to systems engineering include:
 - Collaborative Systems Engineering (CD9, CS9, RM9, and RX9)
 - Systems Dysfunctional Analysis & Simulation (SD9)
- BPAs dedicated to collaborative business processes within the extended enterprise include:
 - Aerospace Supplier Collaborative Hub (AS9)
 - SmartDX (SX9 and CX9)
 - SmartProject (SP9)
- BPAs dedicated to interoperability or administration of Dassault Systèmes PLM Solutions include:
 - Concurrent Design & Large Assembly Management (LM9)
 - ENOVIA SmarTeam / SAP Adaptor (SS9)
 - Product Structure Synchronization for VPM V4 (PS9)

CATIA V5 Automotive Extensions / Vehicle Architecture BPAs

- CATIA V5 Automotive Extensions / Vehicle Architecture - Safety (CA9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Manikin (CM9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Overall Vehicle Architecture (CO9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Vision (CV9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Wiper (CW9)

No additional requirements beyond the CATIA V5.18 SP2 hardware prerequisites.

Collaborative Systems Lifecycle Management & Traceability (CS9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

Composite Document Generation (CD9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

SmartDX Client (CX9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites. **Concurrent Design & Large Assembly Management (LM9)**

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites and CATIA V5.18 SP2 hardware prerequisites.

Flexible PCB (FP9)

No additional requirements beyond the CATIA V5.18 SP2 hardware prerequisites.

Power Feature (PF9)

- BPA Power Feature is delivered on following 32-bit platform:
 - Windows XP® SP2
 - AIX 5.3®
 - Solaris 10 (release of 03/05)
 - HP-UX 11i
- BPA Power Feature is delivered on following 64-bit platform - Windows XP SP1.
- Minimum configuration is the same as the CATIA configuration.

Product Structure Synchronization for VPM V4 (PS9)

Hardware Requirements

Common Hardware Requirements

Aerospace Supplier Collaboration Hub (AS9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites and CATIA V5.18 SP2 hardware prerequisites.

Chassis Suspension Simulation Tool (CH9)

No additional requirements beyond the CATIA V5.18 SP2 hardware prerequisites.

Hardware on server and client side are identical for Dassault Systemes standard products, as specified in the ENOVIA VPM V4 V1.6 PTF6, CATIA V5.18 SP2, and ENOVIA 3d com V5.18 SP2 Program Directories

Requirements Management (RM9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

Requirements XML Edition (RX9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

ENOVIA SmarTeam / SAP Adaptor (SS9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

SmartProject (SP9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites.

Progressive Die Strip Layout Design (SL9)

Hardware: PC with Windows XP SP2 (same configurations as for MD2 CATIA V5 package).

The recommended configuration is CATIA V5.18 SP2 : base of MD2 or similar + KT1 + SMD + FR1.

Dysfunctional Analysis & Simulation (SD9)

- Minimal configuration:
 - Pentium® IV 1.4 GHz (or equivalent)
 - Hard disk: 50 MB available
 - RAM: 512 MB
 - Screen resolution: 1024 X 768 pixels, 65536 colors
 - System
 - Windows® 2000 SP3+
 - Windows XP SP1+
- Recommended configuration:
 - Pentium IV 3 GHz (or equivalent)
 - Hard disk: 1 GB available
 - RAM: 1 GB
 - Screen resolution : 1280 X 1024 pixels, 65536 colors
 - System
 - Windows 2000 SP3+
 - Windows XP SP1+

SmartDX (SX9)

No additional requirements beyond the ENOVIA SmarTeam V5.18 SP2 hardware prerequisites and CATIA V5.18 SP2 hardware prerequisites.

Weight&Balance for ENOVIA V5 (WC9)

- Client side: Intel® 32-bit hardware is supported by ENOVIA (VPM Navigator).
- Server side: AIX or HP-UX hardware is supported by ENOVIA.

License Management

All BPA include a dedicated licensing mechanism. Different types of licensing mechanism are implemented for BPAs. The following licensing principles apply:

- License use management (LUM) is not supported. License management is provided by Dassault Systemes proprietary license management tools.
- Each BPA will require a license. Licenses for BPAs are acquired and released for the total product. Different products within one configuration will need different licenses.
- BPA products will require a license, in addition to one for the prerequisite configuration and any prerequisite product, if applicable.

In all cases, licenses are acquired at the beginning of the process and are released at its termination.

In V5.5 all implemented licensing mechanisms use either the hardware's target ID or an ID related to the database used by the BPA, if any. With this mode of operation, only one BPA license per product can be registered by a machine, and for licensing mechanisms using a hardware's target ID, only one BPA use can run at any given time.

Programming Requirements

Common Software Requirements

Aerospace Supplier Collaboration Hub (AS9)

- Operating system - Microsoft® Windows XP Professional SP2
- Software requirements
 - CATIA V5.18 SP2
 - ENOVIA SmarTeam - CATIA Team PDM (TDM) / Level: V5.18 SP2

Chassis Suspension Simulation Tool (CH9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements - CATIA (KIN + KT1+ PX1) / Level: V5.18 SP2

CATIA V5 Automotive Extensions / Vehicle Architecture BPAs

- CATIA V5 Automotive Extensions / Vehicle Architecture - Safety (CA9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Manikin (CM9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Overall Vehicle Architecture (CO9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Vision (CV9)
- CATIA V5 Automotive Extensions / Vehicle Architecture - Wiper (CW9)

- Operating systems
 - Windows XP Professional SP2 (32bit)
 - Windows XP Professional x64 Edition
 - AIX 5.3 MTL 03 or 5.3 TL4-SP1 (using 64-bit kernel)

- HP-UX 11.11
- Solaris 10 (release of 03/05)

Note: Requirements are according to minimum level for CATIA V5.18 as defined in the *Program Directory*)

- Software requirements - CATIA V5 MD2 or HD2 license.

Note: Minimal required version: CATIA V5.18 (according to current BPA version and others on demand)

Collaborative Systems Lifecycle Management & Traceability (CS9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - Microsoft Office 2003 SP2
 - ENOVIA SmarTeam V5.18 SP2 - ENOVIA SmarTeam Engineering configuration (SEG)
 - Shall be installed for CE9 and CP9 configurations

Composite Document Generation (CD9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - Microsoft Office 2003 SP2
 - ENOVIA SmarTeam V5.18 SP2 - ENOVIA SmarTeam Engineering configuration (SEG)
 - Shall be installed for CE9 and CP9 configurations

SmartDX Client (CX9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - ENOVIA SmarTeam Editor (EDR) / Level: V5.18 SP2
 - SmartDX BPA (SX9) / Level: Delivery 5 for V5.18 (V5.5)

Concurrent Design & Large Assembly Management (LM9)

- Operating systems
 - Microsoft Windows Server 2003® SP1 or 2003 R2 (including 64-bit), Standard Edition or Enterprise Edition
 - Microsoft Windows XP Professional SP2 (including 64-bit)
- Software requirements
 - CATIA V5.18 SP2 with and MD2 license
 - ENOVIA SmarTeam V5.18 SP2 Editor with TDM package and EDR licenses
 - Microsoft Excel 2000 or above (you need Excel if you used a previous version of Concurrent Design and Large Assembly Management (LM9), otherwise it is not needed).
 - MS Office use is optional.

If using Microsoft Office:

- When upgrading Concurrent Design & Large Assembly Management (LM9) to Delivery 5 from a previous version and the user needs to retrieve data from that version, there are two options:
 - With ENOVIA SmarTeam V5.18 integration with Microsoft Office, the prerequisite is Microsoft Office 2003 SP2 or Microsoft Office 2007.

- Without ENOVIA SmarTeam V5.18 integration with Microsoft Office, the prerequisite is Microsoft Office 2000 or above.

- For a new installation of Concurrent Design & Large Assembly Management (LM9), or if the user has no need to retrieve data from previous versions, Microsoft Office is not needed.

Flexible PCB (FP9)

- Operating system
 - Microsoft Windows XP Professional SP2
 - Microsoft Windows XP Professional x64 Edition
- Software requirements
 - CATIA V5.18 SP2
 - CATIA Generative Sheetmetal Design
 - CATIA Circuit Board Design

Power Feature (PF9)

- Operating system
 - 32-bit platform
 - Microsoft Windows XP Professional SP2
 - AIX 5.3
 - Solaris 10 (release of 03/05)
 - HP-UX 11i
 - 64-bit platform - Microsoft Windows XP Professional SP1
- Software requirements
 - CATIA V5.18 SP2
 - Licensing prerequisite per profile
 - Design: KE1 + KT1+ PD1
 - Manufacturing: WS1 + NCG + MPA + PMG
 - Expert / Administrator: PKT + KWE + KWA

Product Structure Synchronization for VPM V4 (PS9)

- Operating system
 - UNIX®
 - AIX 5.3
 - Solaris 10 (release of 03/05)
 - HP-UX 11i
 - Windows clients (ENOVIA 3d com V5.18 SP2)
 - XP Pro SP2
 - RAM 1 MB
 - 32- and 64-bit
- Software requirements
 - VPM V4 1.6 PTF6 (Product Engineer: login, BOM, CATIAV5)
 - CATIA V5.18 SP2 (CATIA Assembly Design 2 (ASD))
 - ENOVIA 3d com V5.18 SP2 (PNR, VPL)
 - DB2® V8.2.5 with level as specified in the ENOVIA VPMV4 V1.6 PTF 6 Program Directories
- Installation
 - On CATIA V5 side, it is like any other CAA V5 application.
 - On VPM, PS9 code must be compiled and linked in customer VPM environment (user exit).

Requirements Management (RM9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - Microsoft Office 2003 SP2

- ENOVIA SmarTeam V5.18 SP2 - ENOVIA SmarTeam Engineering configuration (SEG)
- Html2xhtml DLL (provided with InfoPath 2003 Software Development Kit)
- Requirements Management (RM9) is included in the following BPA configurations:
 - Collaborative Systems Engineering Configuration (5672-CE9)
 - Collaborative Systems Engineering Premium Configuration (5672-CP9)
- Windows XP SP1+
- Recommended configuration:
 - Pentium IV 3 GHz (or equivalent)
 - Hard disk: 1 GB available
 - RAM: 1 GB
 - Screen resolution : 1280 X 1024 pixels, 65536 colors
 - System
 - Windows 2000 SP3+
 - Windows XP SP1+

Requirements XML Edition (RX9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - Microsoft Office 2003 SP2
 - ENOVIA SmarTeam V5.18 SP2 - ENOVIA SmarTeam Engineering configuration (SEG)
 - Html2xhtml dll (provided with InfoPath 2003 Software Development Kit)
 - Shall be installed for CP9 configuration

ENOVIA SmarTeam / SAP Adaptor (SS9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - SAP R/3 from 3.1I to 4.7, ECC 5.0 (ERP 2004), ECC 6.0 (ERP 2005)
 - ENOVIA SmarTeam - Editor (SED) / Level: V5.18 SP2

SmartProject (SP9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - ENOVIA SmarTeam Editor configuration in V5.18 SP2: ENOVIA SmarTeam - Editor (SED)
 - Excel 2003 for reports and import / export of WBS
 - MS Project 2003 for import / export of WBS

Progressive Die Strip Layout Design (SL9)

- Operating system - Microsoft Windows XP SP2 (same configurations as for MD2 CATIA V5 package)
- Software requirements
 - CATIA V5.18 SP2 - Base of MD2 or similar + KT1 + SMD + FR1

Dysfunctional Analysis & Simulation (SD9)

JDK 1.5

In case of use of an Oracle database instance, the Oracle JDBC Drivers package must be installed on client workstations with Oracle Universal Installer. More details about the drivers are available in the *Oracle9i Client Installation Guide* (Release 2 (9.2.0.1.0) for Windows) - *Appendix A - Individual Components Available for Installation*.

- Minimal configuration:
 - Pentium IV 1.4 GHz (or equivalent)
 - Hard disk: 50 MB available
 - RAM: 512 MB
 - Screen resolution: 1024 X 768 pixels, 65536 colors
 - System
 - Windows 2000 SP3+

SmartDX (SX9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - CATIA V5.18 SP2
 - ENOVIA SmarTeam Editor (EDR) / Level: V5.18 SP2
 - ENOVIA SmarTeam - CATIA TeamPDM (TDM) / Level: V5.18 SP2

Weight&Balance for ENOVIA V5 (WC9)

- Operating system - Microsoft Windows XP Professional SP2
- Software requirements
 - CATIA V5.18 SP2
 - ENOVIA V5.18 SP2

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.
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Supplemental Terms

Type/Duration of Program Services (also referred to as “Support Services”)

You will find all necessary information including processes, on Dassault Systemes web site :

<http://www.3ds.com/terms/support-policies>

License Management:

Some product functions may require license keys. You will be provided instructions to obtain license key if required, with the product. If further assistance is necessary contact your Dassault Systemes sales representative.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

A Business Process Accelerators (BPA) configuration is defined as a bundling of BPA products, some or all of which may be available on an individual basis. When BPA products are purchased in a configuration, those BPA products can be used only by a single user at a given time.

Designated Machine Identification

No

Test Period

No

Use-Based Charges/Usage Restrictions

Charges for this program are based on the number of users logged on at any time. The total number of users logged on may not exceed the number for which you have been authorized. If the total number exceeds your authorization, you must notify Dassault Systemes and obtain additional authorizations.

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