A

ACL – Access Control List – permissions on a particular object like an Item, REA, EC, or Document.

Specifies which groups have access to the object and what permissions they have against that object like

Read, Write, Delete, Copy.

AD-Hoc - found on the “select signoff team” window and is used to indicate the signatures were added

“outside” of the standard workflow template. You are required to ‘check’ it when done with adding

approver names.

Address List – a saved definition of a list of groups, users, or a combination of both with external email

addresses. P&W will use the address list to pre-construct workflow signoff teams. The signoff team lists

will then be incorporated into workflow templates.

ADSI – Approved Data Special Instructions – task type

Affected Items - folder contains the PW Item Revision(s) being revised. An affected PW Item Revision can

be either an assembly or a piece part. Affected Items can be PW Items, PW Specifications, QADs or ESAs.

AFT022 – Air Force Technical Order - a military IEN; an US Air Force document that is used to receive

comments and recommended technical manual changes from us the customer or from their folks in the

field. (See Also: IEN)

AIE – Application Integration Environment – creates a persistent connection object in Teamcenter to help

manage files to be exported or imported from an export directory. AIE creates a list of the valid files to

export and/or import and passes this information to the UG-clone utility. This enables subsequent exports

to the same location to be incremental—only files changed since the previous export are exported again.

AIEC – Advanced Incorporation Engineering Change

AIECN – Advanced Incorporation Engineering Change Notice

Altrep - describe alternate representations of a part. For example, in-process shapes might be altreps. You

can add these to an assembly as a component where as you can’t when using the Specification and

Manifestation options. (See Also: Manifestation, Specification, and UGMaster)

AL – Assembly List – from EPACS

ALT – Alternate – used in tooling steps or operations in CAPP2.

AM – Access Manager – person at Pratt who enforces the access rules for Teamcenter.

Analog BOM Change - manual creation and/or editing of an assembly’s Bill of Material in Teamcenter

without affecting the Unigraphics model files

AOP – Assembly Operations Procedure (?)

Appearance Sets – an object in Teamcenter that represents the relationship between a part and a higherlevel assembly that might not be its immediate parent. This concept is called an instance in PWLook and

an occurrence in Unigraphics. Appearance searching is primarily useful for end items that represent large

products containing perhaps thousands of BOM lines. In order to perform high-speed searches on such

large products, Teamcenter Engineering must maintain some additional data that allows it to quickly query

a given configuration of the product without having to explicitly configure the entire product from top to

bottom. This additional data is collectively referred to as an Appearance Set. The key advantage of an

Appearance Set is that it can efficiently track all BOM lines that have ever existed for a family of product

configurations. This is in contrast to other high-speed searching techniques that cache a specific

configuration of a product (e.g. Released as of 1 January 2001.)

Approve – an action of passing on to the next step or completion on an item in Teamcenter, which closes

or finalizes an item. (See Also: Demote, Reject)

APT – Automatic Program Tooling - NC programming.

AR-MIN – As Required-Minimum – a column in NX ANT and in PSE; i.e. smallest amount of washers

needed to fill a space; maximum number of washers would be modeled with BoM lines, adding a BoM line

for each washer needed up to the maximum.

ASE – Aftermarket Services Engineering

ASREQD -

Assembly – a collection of parts, a group of piece parts pre-assembled by P&W or other companies. It is

used to mean a single-level assembly as distinct from a Bill of Material (BOM), which is a hierarchy of

assemblies. Assembly data is stored in a BOM View Revision (BVR). (See BOM; Precise Assembly;

Imprecise Assembly).

ATA – Air Transport Association/Authority – text entry field when creating REAs. Also it is an industry

wide standard, which defines a numbering scheme for a complete aircraft. The ATA 2200 specification is a

major factor in the structure of, and the location of parts within the IPC. (See IPC)

ATAP – Assembly & Test Application Procedure

Attributes – fields in the database that give information about an object/item.

Audit – a file, a chronological history of every workflow action performed on an object/item.

B

BAER – Business Area Export Representative – person responsible for determining what can be shown to

foreign nationals.

BCT – BCT Technology, one of UGS Partners – provides a software program that works inside of

Unigraphics to do raster editing in Unigraphics and Teamcenter. 3D-Raster brings 2D paper or electronic

(TIFF, PDF, HPGL etc.) data into your digital design process where it can be edited and reused.

BOM – Bill of Material - a list of details, which make up an assembly. Refers to the whole multi-level

product structure contained in a Product Structure Editor (PSE) window. This is distinct from a single level

assembly referred to as a BOM View Revision. (See Assembly)

BOMView and BOMView Revisions – objects used to manage product structure information for Items and

Item Revisions.

B/P – Blue Print – Engineering Drawing

BPNS – Below Pick Non Saleable – refers to a NON-NMA item revision.

BSD – Ballistic Systems Division

BVR – BOM View Revision – used to manage product structure information for an Item Revision. It shows

the Bill of Material; found under the PW Item Revision; uses the BOM symbol (SEE Other Symbols in

Teamcenter:)

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C

C – Commercial – used in CAPP2 to denote commercial engines.

CACTUS – Centralized And Coordinated Telecommunications Utilities System – Pratt’s internal/external

field question tracking and archival system.

CAD – Computer Aided Design

CADRS – Computer Aided Drawing Retrieval System – electronic library of engineering drawings (B/P).

CAE – Computer Aided Engineering

Cage Code -

CAI – Corrective Action Initiative

CAM – Computer Aided Manufacturing

CAPP2 – Computer Aided Process Planning – application used by manufacturing engineers to write their

manufacturing and quality instructions. (See OAP 9.1.5; OAP 9.1.2)

CATIA – CAD system produced by Dassault Systemes

CATSPAW – Computer Aided Tool Selection Program (obsolete)

CCB – Configuration Control Board – This board is the approval authority for engineering changes and

production configuration management at P&W.

CCN – Communication Control Number / Cost Control Number

CCS/TIS – Calibration Control Schedule/Test Instruction Sheet – a check off option in the PW EC

Summary form.

CCTS – Configuration Control Tracking System

CECS – Calibration Equipment Control System

CF – Controlling Feature

CHOP – Chained History of Part – an EPACS report, appears in Teamcenter as a virtual document. A

command in EPACS which showed direct supercedure of parts starting with the current part and then

working backwards in time.

CI – Concept Item – start of the Item ID for a PW Concept Item.

CIPT – Component Integrated Product Team – owners and controllers of the problem solving process that

produced a design or solution.

CIR – related to the IPC.

CL – Change Letter – an EPACS report, which appears in Teamcenter as a virtual document. Also an

issued Item Revision.

Class I & Class II – Production Engineering Changes are classified as either Class I or Class II. The

definition of Class I and Class II is based on Government, regulatory agency, and contractual requirements.

(See PW-AP 4.24.3)

Class I revisions affect the part, component, or product configuration to such an extent that

customer usage, tracking, or supportability requirements are affected and require a change in part

number.

Class II revisions are minor in nature and allow the indiscriminate use of parts prior to or after

incorporation of the revision unless otherwise specified by the customer.

Classification – See In-Class

CLC – Critical Life Characteristics

Clone or Cloning – an UFUNC program, which copies NX assemblies from one type of Teamcenter Item

to another. i.e. Concept Items into Development PW Items.

CLM – Closed Looped Machining

CM – Change Management/ Configuration Management

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CM Viewer – an application option in Teamcenter used to view and modify engineering change data such

as BOM Changes and Effectivity.

CMS – Configuration Management Services – The P&W group that coordinates and writes configuration

changes.

CMSR – Configuration Management Services Request

Compile XXX Task – procedure, which activates the workflow. (See: Symbol Fig. 5)

Concept Item - (see PW Concept Item)

CP – Change Pending – an Item Revision with an EC task number attached, still going through workflow

CPD – Computerized Product Definition

CPU – Computer Processing Unit – part of a computer that houses disk drives.

CR – Cascade Release – an EPM application created by Teamcenter developers. CR is used to create

procedures for releasing objects.

CSM – Calibration Systems Manual

CSMC – Compression Systems Module Center

CSN – Catalog Sequence Number – defines a ‘unique’ location of a part in an engine. A reference number

derived from an Illustrated Parts Catalog or Illustrated Parts Breakdown used to cross reference parts in

design level parts lists with should-build parts lists generated from information MANager

(iMAN/Teamcenter) and as-built parts lists contained in Systems, Applications and Products in Data

Processing (SAP) parts of the Product Data Management (PDM) software tool used to manage design and

other technical data. Further information on CSN assignment and use can be found in the Engineering

Services Manual (ESM).

CTS – Customer Technical Support

CWO – Corrective Work Order

D

DA – Disclosure Agreement – an ESA term

Datasets – workspace objects used to manage data files created by other software applications, such as UG

part files that a PW Item Revision may have associated to it. Each dataset references at least two other

objects:

Dataset type, which is an object containing a list of tools that can operate on a particular dataset,

Tool, which is the tool used to create or modify the dataset.

Each dataset can manage multiple operating system files. Each type of operating system file is called a

named reference. (See Also: Named Reference; PW Item Revisions; Symbol Fig.1)

DAV – Drawing Available at Validation – a setting in the upper left corner of the DDF in Teamcenter

DB – Database – found in reports on importing assemblies into Teamcenter from UG.

DBA – Database Administrator – a person with ultimate ability to do things in a software application that

the general user cannot do. But, even this person will have limitations for undoing mistakes in an

application such as Teamcenter where a redo will need to be done to correct an error (i.e. another EC to

correct an initial EC that forgot something or did it wrong and wasn’t found until after approval.)

DCCB – Development Configuration Control Board – This board is the approval authority for development

engineering changes and development configuration management at P&W.

DCM – Document Control Manager – contains files linked to REAs created in Product Manager.

DCMA – Defense Contract Management Agency

DCMC – Defense Contract Management Command

DDF – Drawing Data Format (Form) – form in Teamcenter that contains the DAV check off field and lists

all drawing sheets that have been released through ERI.

TEAM

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DDM – Distributed Document Manager (DDMv5) – Version 5 of Pratt & Whitney’s electronic storage

library.

DDM – Documentum Data Management (DDMv6) – Version 6 of Pratt & Whitney’s electronic storage

library.

DDMID – an unique identifier given to all NX datasets. Made up of year, day of year, hour, minutes,

seconds. Can be found on the drawing sheets.

Description (as applies to PW Items) – comes from the REA Task Number description.

DECX – Developmental/Experimental Engineering Change – option under ECX Class to be used for

NMAs BOM changes. DECX is equal to Class I to change the BOM in Development world.

Demote – an action of return to previous on an item in Teamcenter which returns the item to its originator

or previous coordinator for correction, more information needed, etc. (See Also: Approve, Reject)

DEP – Deflection Error Probable

DER – (See: FAA-DER)

DER/DCM – - approvals in a Class II change

Detail – a piece part or component.

DirectModel – (See: JT)

DMU – Digital Markup – entire engine

DNC – Distributed Numerical Control

DO – Development Operations

DOCM - specific group of Support Equipment employees

Document - the item type for engineering specifications. The engineering specifications are managed

using a document that is created in a text file or word document. (See: Symbol Fig.1)

DOP – Development Operations Procedures (OBSOLETE, see OAP)

DPA – Digital Pre-Assembly -

DPR – Environment, Health & Safety Procedure

DPRN – Document Property Rights Notice – P&W copyright statement.

DRM – Drafting Room Manual

DSAPSURV – ? - a document created by the ESA group.

DSM – Design Substantiation Memo – a document added to the REA when there is not enough room in the

Teamcenter Summary of Substantiation Data description field. Required of Class II EngChange.

DWG - Drawing

E

EAP – Engineering Applications Procedures

EC – Engineering Change

ECX – Experimental Engineering Change

EDDE – Engineering Drawing Data Extraction – User Function program which extracts information from

the Unigraphics drawing sheets and/or GD&T attributes embedded into the solid model and creates an

electronic file (.txt) that can then be imported into CAPP2 or be used to create a First Article Inspection

sheet.

EDG – Engineering Data Group

EDS – Electronic Data Systems – company that provides Unigraphics and Teamcenter.

Effectivity – the point at which an engineering change is implemented in manufacturing. This may be

determined by date or unit number (sometimes referred to as serial no) of the product to which the change

is being made.

EGT – Exhaust Gas Temperature

EH&S – Environment, Health and Safety

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EII – Engineering Information Index – a system that controls the filing, storage, and retrieval of task

folders.

EngChange - the item type for engineering changes and is usually a form of some type that is being used

to track a change order. (See: Symbol Fig.3)

Envelopes – workspace objects used to represent Teamcenter Engineering mail messages sent to you from

other Teamcenter Engineering users. Envelopes can be used to send workspace object references as well as

simple text messages to other Teamcenter Engineering users. This is extremely useful for sharing data

throughout your enterprise.

EO/EOS – Engineering Orders/Engineering Order Supplements – OBSOLETE, replaced with Network #

and Sub-Operation #.

EPACS – Engine Parts and Configuration System – OBSOLETE, (See: Teamcenter)

EPCC – Engineering Product Configuration Control – OBSOLETE, (See: CMS)

EPM – Engineering Policy Memorandum

EPM – Enterprise Process Modeling – as used in Teamcenter.

EPR – Engine Pressure Ratio

EPR – Engineering Parts Release

ERI – Electronic Release Imaging – releasing drawings to DocAccess, etc.

ERP – Enterprise Resource Planning system

ERR – Engineering Requirements Release

ERU -

ESA – Engineering Source Approval – a system to approve of the company who will make a part; an item

type containing ESA Data List information. (See: SAD) (See Part 19 of the Engineering Services Manual

and PW-SLP 4.4.23, also OAP 9.3.1; SQAAP 9.1.2; PWA 370; PWA SP 371)

ESCA – Engineering Source Coordination Analysts – an ESA term

ESD – Electronics System Division (of the USAF) - task type

ESADL – Engineering Source Approval Data List

ESIT -

ESP – Engineering Service Provider – Outsourcing companies.

ESRDL – Engineering Sourcing Requirements Data List – an ESA document. (See EAP 5.4)

ESW – Engineering Standard Works

ETFF – Engineering Task File Folder – a folder created in Documentum, which contains electronic data

created in other applications such as Word, Excel, etc.

ETT – Engineering Task Tracking – a Florida system to identify, document, and track status of

Engineering tasks.

ETOPS – Extended Twin Operation – task type

ETSO – Engineering Tracking System Operations – OBSOLETE?

EVL – Engineering Vendor Liaison – an ESA term

EVMS – Earned Value Management – SEE:

<http://pwww.eh.pweh.com/erp/dmt/webcats/webcats_home.html> and select EVMS Analyst Directory -> EVMS

Home Page

EVP –

EXCEED – Software for a PC to run Unix workstation applications.

F

FAA-DER – Federal Aviation Authority/Administration-Designated Engineering Representativ

FADEC – Full Authority Digital Electronic Control

FAI – First Article Inspection (see OAP10.1.13)

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FCR – For Coordinator Review

Find – an application option in Teamcenter used to search for objects to work with or for obtaining

information. OBSOLETE, uses Search now.

Find Number – a number used to cross reference a part listed in the design level parts lists to its pictorial

presentation on its graphical representation.

FIO – For Information Only

FMA – Failure Mode Analysis

FMR – Failure Malfunction Report – a REA with task type set to ‘FMR’.

FOD – Foreign Object Damage

Folder - a container in which you can put things. Folders are workspace objects that are used to organize

product information in My Navigator Application in Teamcenter. Contains pointers or references to

workspace objects. (See Also: Objects)

Forms and Master Forms – these are workspace objects used to display specific product information

(properties) in a predefined template. Forms are often used to create an electronic facsimile of an existing

hard copy form in Teamcenter Engineering. Master forms are used to display specific product information

in a standardized format.

FPR – First Piece Review

FRACAS – Failure Reporting and Corrective Action System – an Oracle database used for tracking

FMRs/FMAs.

FTSO – Florida Tracking System Operations – OBSOLETE?

G

G - Gage

GCF – Graphical Control Flag – a setting used in Teamcenter, which indicates that there is a Unigraphics

assembly driving the bill of material in Teamcenter via PWLook. Can be set and changed in the PW Item

Revision Master form; it is set the first time data is fed to Teamcenter from PWLook and cannot be

changed without special privileges. Not only will the setting indicate the PW Item is modeled, it will also

enforce that BOM changes to these PW Items must continue to be done in a graphical manner. Can be seen

in a column when viewing BoM using PSE.

General User – a role in Teamcenter.

GFM – Government Furnished Material – See OAP 13.8.6

GI – General Instructions

Group – a Teamcenter object that describes a list of users. Can be organized by function or project. Three

groups at P&W: Military, Commercial LR, and Commercial NLR

GRIP – UG programs

Group Member – a user with an assigned role in a Teamcenter group.

GSM – Graphics Standards Manual – Pratt & Whitney standards for constructing models in Unigraphics.

GUI – Graphical User Interfaces – dialog boxes that allow you to provide information, make choices or

otherwise interact with the computer software.

H

Header – a form for REAs and ECs. Gives basic information about the REA or EC.

HLR – Hidden Line Removal – preference setting in the RDV Viewer used when capturing an image.

HOP – History of Part – an EPACS history report, appears in Teamcenter as a virtual document. An

EPACS command when you want to know if the part has ever been applied to a specific model or you want

to see the history for a specific model.

HPC – High Pressure Compressor

HPT – High Pressure TURBINE

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I

IC Parts – Interchangeable parts – special numbers that are not part numbers themselves but, instead,

represent a group of part numbers that can be used interchangeably. IC parts, going forward, will have a

drawing type of ‘IC Part’. They also have a view type called ‘IC View’. The IC number is stored as an

assembly in Teamcenter and the interchangeable parts it represents are stored as details in the IC number.

These interchangeable parts may or may not be assemblies themselves.

IC View - folder containing global alternates that can be used in any next level assembly.

IDCR – Inspection Discrepancy & Correction Record

IEN – Internal Engineering Notices

iMAN – Information Manager - a commercially available Product Data Management (PDM) software

product provided by EDS. It is the replacement for many functions currently found in EPACS and Product

Manager. Documentum and PWLook (Product Vision) will be integrated with iMAN and iMAN will be

integrated into ERP system, SAP. - OBSOLETE, see Teamcenter

IMS – Inspection Methods Sheets – OBSOLETE, see MQI

Imprecise Assembly – has links to the Items. The user loads the Item Revisions depending upon the

configured revision rule set. This allows each user to view the same item structure but load the item

revisions they want depending upon their needs. This type of assembly updates automatically. This is the

default assembly type in Teamcenter Engineering. (See: Assembly; Precise Assembly; BOM)

Inbox – an application option in Teamcenter used to perform or track workflow tasks.

In-Class – an application option in Teamcenter used to create and maintain hierarchical classification

structure based on the attribute values of your Teamcenter workspace objects. This is a method of indexing

the parts of an engine using descriptive words. Along with the RDV Viewer, this will be used as a

PWLook replacement in the future.

Install – NMA assembly

IPAC – Instrument Performance and Call-In system

IPC – Illustrated Parts Catalog – a customer document written to ATA Specification in

assembly/disassembly sequence. It is written to align with the Engine Manual and the CIR. See ATA

IPD - Integrated Product/Program Development/Deployment – Pratt & Whitney design approach. See PWSLP 4.2 or PW-SLP 1.4 for description.

IPT – Integrated Product Teams – (See: CIPT)

IT – Information Technologies – P&W computer group

Item - the foundation (workspace) objects used to manage information. They represent physical or

conceptual entities that an organization uses to maintain, audit and change information. Think of an item as

being the top-level folder containing all of the information for a particular object. Teamcenter allows up to

32 characters for an item ID. No two items can have the same item ID. An item provides access to all

information related to the design of a part, including all its revisions. When you create an item, Teamcenter

creates an Item Master form and an Item Revision object with it. We at Pratt & Whitney create PW Items.

(See What are Teamcenter Items? For more details.)

J

JAR/FAR Approval -

JT – a type of facetted file of the UG solid created in Teamcenter to be used in the PV Viewer. In

Teamcenter these files are referred to as DirectModels and will have the same name as the UGMASTER it

represents.

K

K – Critical Characteristic – if not within the prescribed acceptance limits, is most likely to lead to nonrecoverable loss of adequate power or result in hazardous condition for persons

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KJR – Key Job Requirements – OBSOLETE now use Objectives or Goals

KPC-M – Key Product Characteristic – Manufacturing – a measurable input or output of a manufacturing

process that provides the customer with high value when delivered with minimal variation.

KPI – Key Process Inputs – input (s) into a process or key parameters that have a large influence over the

Key Process Output.

KPO - Key Process Outputs – the result of a process that directly contributes to the performance of Key

Part Characteristics.

L

LCE – Large Commercial Engines

LCF – Low Cycle Fatigue – check off box on the PW EC Summary form.

LCN – Logistics Control Number

LDA – Line Driving Amplifier - task type

LDD – Loss, Damage, or Destruction - task type

LMB – Left Mouse Button – refers to the button on the computer mouse that is used to select menu options

or items in a database.

Lotus – software operating system for CACTUS.

LOV – list of values

LPC – Low Pressure Compressor

LPT – Low Pressure Turbine

LQRO – Laboratory Quality Review Order – OAP 13.1.12

LQRV – Laboratory Quality Review Variation

LR – License Required – permission group for people that are US Citizens and Canadians.

LRN – Limited Rights Note – an ESA term

LSP – Liquid Space Propulsion

M

M – Major Characteristic – if not within the prescribed acceptance limits, is most likely to result in

functional problems which can impair flight performance, but will not prevent continuation of flight, and

hazardous conditions for persons is unlikely.

M - Military

M&PE – Materials & Processes Engineering

M&TE – Measuring and Test Equipment

M/PC – P&W Module or Part Center – that facility where the ESA processing for a part number (P/N) is

performed.

Manifestation - relations are non-defining “snapshots” of a particular aspect of an Item or Item Revision at

a particular moment in time. For example, drawings are considered manifestations. Additional information

to complete the manufacturing process intended to be created separate from the master geometry and other

data. Use this to create files that you are going to create geometry in using the master model to drive this

geometry (like manufacturing operations where you create tool paths). (See Also: Altreps, Specification,

UG Master)

MAS – Manufacturing Assembly Specifications – See OAP 9.2.2

MAST – Machinability and Standard Tools system

MB1 – Mouse Button 1 - left button on a computer mouse

MB2 – Mouse Button 2 – middle button/wheel on a computer mouse

MB3 – Mouse Button 3 – right button on a computer mous

MC – Must Conform – refers to NON-NMA item revision

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MCB – Manufacturing Control Board – a board responsible for review of part produciblity, availability,

and asset management and preparation of the manufacturing implementation plane. See PW-AP4.24.4

MCE – Manufacturing Control Engineering

MCL – Materials Control Laboratory

MCS – Military Customer Services/Support

MDP – Manufacturing Division Procedures – OBSOLETE, see OAP

ME – Manufacturing Engineer

MFC – Manufacturing Feature Control

MFR – Manufacturer – a document that doesn’t feed the quality system, for DO.

MIA – Made in Assembly – See OAP 9.1.27

MIDAS – Machine Inventory Data

Military – permission group for US citizens only.

MIS – Management Information Systems – OBSOLETE, see IT

MIS/PR – Management Information Systems/Procedure

MM – Master Methods

MMB – Middle Mouse Button – refers to the button on the computer mouse that is used to activate special

options in certain applications, such as UG.

MME – Materials and Mechanics Engineering – See OAP 9.3.1

MML – Master Model Link - an attribute that is attached to the DDM id of a Unigraphics part model file.

This attribute allows you to link to a part model stored in DDMv6 from inside of Unigraphics.

MMLM – Master Model Link Manager – a program used to attach Master Model Link attributes to UG

part models inside of DDMv6.

MOPS – Manufacturing Operation Procedures

MOS – Manufacturing Operation Sheets – OBSOLETE, see MQI

M/P – Marked Print

MPE same as M&PE

MPS – Master Planning Summary – F-1307

MQI – Manufacturing Quality Instructions – document created with CAPP2, replaces MOS and IMS.

MRB – Material Review Board – OAP 13.1.3, OAP 13.1.4, OAP 13.1.8, etc. This process is owned by the

Manager of Quality Review and consists of representatives of the P&W departments necessary to review,

evaluate, and determine or recommend the disposition of nonconforming product.

MRE – Materials Review Engineering

MRU – Most Recently Used – button in PSE and Navigator

MT – Manufacturing Technologies – OBSOLETE, now Manufacturing Engineering Core

N

Name (as applies to PW Items) – comes from the REA Task Number name.

Named References – file types of a dataset. Datasets often manage several different file types. Datasets

are the only workspace objects that use named references.

NASA – National Aeronautical Space Association

Navigator – an application option in Teamcenter that allows you to access and organized your own

workspace, where items you are working on are referenced and stored.

NC - Numerical Control

NDT – Non-Destructive Test

Newstuff – a folder in Teamcenter Navigator Application in which any new items created are placed

automatically when no other folder is selected by the user.

NHA – Next Higher Assembly

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NLR – No License Required - People that are US Citizens, Canadians and Foreign Nationals can see this

data.

NMA – Non-Machined Assembly – any assembly built by our Engine Center, a group of pick level parts

and/or other NMAs that are built on the Assembly Floor. Alternatively, this may be a prior assembled part

that may be used in a higher-level assembly. A pick level part can be a detail, an assembly, or another

NMA.

Nomenclaturist – a role in Teamcenter

Nomenclaturist…Devl – a role in Teamcenter

Non-NMA – not a Non-Machined Assembly, a detail part.

Notinepacs – Not In EPACS – information not in the old system (See EPACS)

NPP – Non-Production Plan

NS – No Operation Sheet

NX – the next version of Unigraphics after UG v18. As of August 8, 2004, we are in UG NX 2 (v20)

NX A/R – a column in NX ANT that will feed the PSE’s As Required column with Y if the part is to be

used “As Required” and blank if not used.

NX Manager – the Teamcenter link to UG NX 2. This is the interface that will be used to access UG NX 2

from inside of Teamcenter.

O

OAP – Operations Applications Procedures – replacing MDP and DOP.

Objects – workspace objects are items, which are stored once in the database. These can be a Unigraphics

part file, a Word document, an Excel spreadsheet, etc.

OP-SLP – Operations System Level Procedure

OPCERT - Operator Certification

OPER – Operation – used in CAPP2

ORO – Overhaul and Repair Organization - OBSOLETE

OS – Operating System – UNIX and MS Windows are computer operating systems.

P

PAR – Process Approval Record – an ESA term

Part File Type – a selector option when creating a new part file that assigns one of the following: Altrep,

Manifestation, Specification, Master

Part Type – a selector option when creating a new part file that assigns one of the following: Document,

EngChange, ESA, Item, PW Config Item, PW Engine Model, PW Engine Type, PW Family QAD, PW

Item, PW QAD, PW REA, PW Specification.

PAS – Production Assembly Specifications – See OAP 9.2.2

PAT – Production Assist Ticket

PC - Personal Computer

PC – Process Control

PCCC – Process Cell Capability Catalogue

PDD – Product Definition Data

PDM - Product Data Manager/Management – a tool that helps manage all the processes, applications, and

information required to design, manufacture, and support a product throughout its life cycle.

PD&V – Product Development and Validation

Person – name describes the individual who works at your site.

PFMEA – Process Failure Modes and Effects Analysis

PIA – Purchase in Assembly

PIC – Production Inventory Contro

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Pick Level Parts – all parts required to build an engine or sub-assembly.

PMI – Product Manufacturing Information – an option that can be viewed from the RDV Viewer in

Teamcenter.

PMT – Project Management Team

PN – Part Number

PNA – Part Number Assignment – group in CMS, which assigns new production part numbers

POP – Process Operation Procedure

Portal Visualization – a viewing application inside of Teamcenter that allows you to view assemblies in

3D. It will replace PWLook. Formerly called the RDV Viewer. There are various levels of functionality

with a number of licenses.

Power User – a person in a business unit who has been thoroughly trained on how a software application

functions. This person would be your first step when having trouble with a computer application, such as

Unigraphics or Teamcenter. After them would be the HelpDesk.

PR – Process Requirement

Precise Assembly – has a link to the Item Revisions of the assembly structure. When overridden, knows

which component revisions to load. This type of assembly ensures that downstream users see the exact

revisions as the original designer intended. The latest parts are not a factor with a Precise assembly, it

loads the parts specified by the user prior to activating Precise. (See: Assembly; Imprecise Assembly;

BOM).

Problem Items - folder contains the PW Item Revision(s) which is going to be replaced by the Affected

PW Item.

Process - The automation of a business procedure, describing the individual tasks and task sequences

required to complete a business procedure.

Process Viewer – an application option in Teamcenter used to view the progress of any Workflow process.

Product Data – an application option in Teamcenter used to search for and display specific Items and/or

Item Revisions.

Production Release – status of the product definition when its Teamcenter release has been approved and

validated. Also referred to as “released to production”.

Properties – attributes attached to items.

PRP – Prime Reliable Part

PSA – Propulsion Systems Analysis

PSAF – Product Support Action Form – task type

PSAR – Process Sheet Approval Requirement

PSE – Product Structure Editor – an application option in Teamcenter, allowing you to create and manage

real-world product structures such as assemblies using defined sub-assemblies, parts and components.

PTIMS – Production Tool Information Management System

PV – See Portal Visualization – a viewer in Teamcenter.

PVD – Production Variable Data – MQI features

PW Concept Item – item type in Teamcenter, representing a solid model, to be used by designers in the

conceptual stage of an engine. These Items can be cloned into Development PW Items when and if wanted

for that stage.

PW Config Item – item type in Teamcenter.

PW Engine Model – item type in Teamcenter

PW Engine Type – item type for engine families in Teamcenter.

PW Family QAD – item type for containing data associated with QADs for families of parts in

Teamcenter.

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PW Item – object used to represent Pratt & Whitney part numbers in Teamcenter, collecting data for the

majority of Engine Items such as components and sub-assemblies. (See Also: Objects) (See: Symbol Fig.1)

PW Item Revision – each PW Item can have many of these to manage changes to the Item. (See: Symbol

Fig.1)

PW Model Item – item type in Teamcenter, used to represent a solid model that cannot show up in the

BoM in the PSE.

PW QAD – item type for containing data associated with QADs (See: QAD)

PW REA – item type for containing data associated with REAs (See: REA).

PW Specification – item type for containing data associated with Material and Process specifications.

PWA – Parts Within Assembly – from EPACS

PWA – Pratt & Whitney Aircraft

PWUS – Pratt & Whitney United States division

Q

QAD – Quality Assurance Data

QADRN – Quality Assurance Data Revision Notice

QAI – Quality Assurance Instructions

QAR – Quality Assurance Representative (See OAP 9.3.1)

QCPC – Quality Control Process Checklist

QE – Quality Engineering – Personnel within a product center quality team that ensures product quality

requirements are maintained and communicated throughout the product center and its suppliers.

QEP – Quality Engineering Procedures

QR – Quality Review – See OAP 13.4.7

QRE - Quality Requirements Engineering – department responsible for Quality Standards and Quality

Assurance Data (QAD) Sheets.

QSL – Qualified Supplier List

R

RBD – Ruled Base Design

RDE – Repair Development Engineering

RDV – Repeatable Digital Validation – an application in Teamcenter that allows you to view assemblies in

3D. (Will replace PWLook). Has been renamed by UGS to Portal Visualization application.

REA – Request for Engineering Action – a system to report problems to the engineering organization. It

houses all engineering tasks and related data. See OAP 13.1.14

REA Supplement – an addition to an existing REA.

References – an application option in Teamcenter, supporting the combined Where-Used and Where

Referenced functions, enabling you to perform either function in the same display.

References – pointers in the Navigator Workspace referencing database objects. Database objects exist

only once in the database, but can be referenced by numerous users.

Reject – an action of close on an item in Teamcenter which cannot be reopened or information added to

that item after this action has been taken, a finalizing of the item. (See Also: Approve, Demote)

Release – as used in DDMv6 - a process of setting up a drawing file, either from Unigraphics or Formtek,

to be released to an imaging system, such as CADRS/DADMS.

Released – when an item has successfully gone through a workflow process and has gained a status.

RELX – Release Developmental/Experimental – option under ECX Class to be used for All pick level and

below Drawing revisions. RELX is equal to Class II or initial release.

Rev Quorum – found on the “select signoff team” window and is the number of signatures from the list or

approvers that are needed in order to advance the workflow step (e.g. 1 out of 5 or 5 out of 5, etc.)

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RLAN – Restricted Local Area Network – a data vault set up for groups like InfoTech in India to access

MQIs to work.

RMB – Right Mouse Button – refers to the button on the computer mouse, which brings up special menus.

ROEC – Record of Engineering Change – used in the MQI.

Role – a Teamcenter object that models the type of work a user is expected to perform in a particular

Teamcenter group. One user can have many roles. There are six roles identified: General Usage,

Nomenclaturist, View Only, GCF Override, Release/Issue, and Promote/Demote.

RON – Report of Nonconformance

S

SAD – Source Approval Data – a document created by the ESA group that defines who can and how to

produce a part. (See: ESA)

SADL – Source Approval Data List – a document created by the ESA group.

0S – ? - a document created by the ESA group.

SADVP – Source Approval Data Vendor Part – a document created by the ESA group.

SAP - Systems, Applications, and Products in Data Processing (Systemanalyse und Programmentwicklung)

SAPN – Source Approval Part Number - a document created by the ESA group.

SAPNL – ? - a document created by the ESA group.

SASP – Source Approval Specification - a document created by the ESA group.

SASPL – ? - a document created by the ESA group.

SD&CI – Systems Design & Component Integration

SDR – System Design Review/ System Development Requirement - task type

SE – Support Equipment

SEO – Support Equipment Organization

SERD – Support Equipment Recommendation Data/Requirements Document – a document supplied by

SEO once an item of support equipment is completed in its processing, and released to the customer.

SHOP – Short History of Part – an EPACS history report, appears in Teamcenter as a virtual document. An

EPACS command that lists all the engine models that the part number has ever been on, whether current or

superceded.

SIP – Standard Inspection Procedure - task type

SK Numbers – Sketch numbers - flight base number for flight Production number (See X numbers)

SL – Sketch Layout

SLP – Systems Level Procedure

SME – Society of Manufacturing Engineers

SME – Standard Manufacturing Equipment

SME – Supplier Metallurgical Engineer

Solution Items - folder contains the new PW Item Revision(s) being released with the EngChange. These

objects are part of the solution to the problem the EngChange is correcting.

SOO – Sequence of Operations – used in MQI.

Source Dept. – department identified on a part setup memo that is primarily responsible for the processing

of the material. Found in IMS1 -> show part#.

Spatial Searching - When you search for BOM lines on a large product, you are often interested in

restricting the search to a specific spatial region of the product. For example, find all parts that are located

within 2 centimeters of part X. In order to perform such spatial searches, Teamcenter Engineering needs to

maintain Spatial Data in addition to the Appearance Set. It is optional whether or not you maintain Spatial

Data (i.e. you can elect to have Appearance Sets without spatial information) but it is anticipated that in

most cases you will maintain both. Obviously Spatial Searching requires Spatial Data

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SPC – Statistical Process Control – See OAP 9.18

Specification - relations are detailed methods, designs, processes and procedures used to satisfy

requirements. Data required defining the part that is not geometric, such as, specifications and procedure

documents. (See Also: Altreps, Manifestation, UG Master)

SQA – Supplier Quality Assurance

SR – Status Report – an ESA term

SR – Subcontractor Responsibilities – an ESA term

SRB – Supplier Review Board

SRON – Supplier Report of Nonconformance

SRP – Standard Repair Procedure -

SRR – Scrap Rework and Repair

Supercedure (Supersedure) – a word coined at P&W to describe what happens when a new component

replaces an old component in an assembly in the Teamcenter database. First spelling is preferable. This is

an Add/Cancel procedure illustrated in the genealogy of a PW Item.

SWCS – Standard Work Combination Sheets

T

T - Tool – used in MQI

TAM – Tool Aerospace Machining

TAPPS – Tool and Process Planning

Task - the fundamental building blocks used to construct a process. Each task defines a set of actions, rules,

and resources used to accomplish that task. User actions cause tasks to move from one state to another, and

as a result, the overall process moves forward (or backward).

TCC – Teamcenter Community

TCE – Teamcenter Engineering

TDR – Tool Design Requests

TD&S – Tool Development and Standardization

Teamcenter Engineering – new name for iMAN. Incorporates NX Manager and the new RDV Viewer

which will replace the PWLook application.

TIMS – Tool Information Management System

Title (as applies to PW Items) – should be the same as the REA Task Number Title.

TJR – Test Job Request - an option in list of values for Cause for late ECX field in the PW EC Header

form when creating an EC in Teamcenter.

TLC – Tool Line Up Cards

TMC – Turbine Module Center

TOL – Table of Limits

TP – Technical Publications

TPM – Total Preventive Maintenance

TSFC – Thrust Specific Fuel Consumption – text box on the PW EC Summary form.

TSO – Technical Standard Order

TSO - Thrust Section Observer

TSO – Time Sharing Option

TSO - Time Since Overhaul

TSO – True Shape Data – a file created in UG that provides coordinate location information for the solid

model. This information is needed to analyze spatial relationships in an assembly while in Unigraphics.

TWP – Technical Work Package – an ‘IEN’ for other company engines that we develop repairs for.

TWU – Tool Where Used

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U

UFUNC – User Function – UG programs, similar to GRIP but works outside of UG as well as inside.

UG – UniGraphics – CAD/CAM/CAE systems for creating 3D computer models.

UG/Manager – a data management tool for Unigraphics and related products. It is based upon, and is a

variation of, the Teamcenter product. When you use Unigraphics in UG/Manager mode, you have

Teamcenter running at the same time as a separate process. You will save UG part files automatically to

the Teamcenter database when accessing Unigraphics through UG/Manager.

UG Master - a dataset type used to manage the geometry file with the Unigraphics application. This is a

file containing master geometry. (See Also: Altreps, Manifestation, Specification)

UG Part - a dataset type used to manage the other geometry files with the Unigraphics application. These

are discipline-specific files related to the UGMASTER. An example would be a drawing or manufacturing

file.

UnRelease – as used in DDMv6 - allows the user to pull back files queued for release providing that the

actual image transfer to CADRS/ DADMS has not occurred.

USA – Unified System for Airfoils

User – a person with an account known to the Teamcenter system.

User Settings – refers to the groups/roles a user can have in Teamcenter as well as to the permissions he

can be assigned (e.g. create, delete, approve, reject, view only, etc.)

V

Validation – when used in Teamcenter context, this is the final step in the product definition release and

EC workflows. When the release is validated, the authorization to use the product definition is granted.

When the EC is validated, the authorization to implement the intent of the change is granted.

VDM – Virtual Document – a link in Teamcenter to Documentum (See: Symbol Fig.2)

Versions - When an encapsulated software application runs during a Teamcenter Engineering session, save

commands are intercepted and new versions of these datasets are created, rather than allowing the software

application to overwrite the contents of the dataset. These versions can be used to track changes to these

datasets and to revert to a previous version of the dataset (for example, undo changes).

VFI – Vendor Furnished Information Source – an ESA term. A supplier source that is Engineeringdesignated because of its design rights in the parts, which it supplies. VFI sources are segregated into three

categories by level of responsibility, which are further described in PW-SLP 4.4.23, Engineering Sourcing

Requirements.

Viewer – applications in Teamcenter that show you either the workflow of an EC or REA (Process

Viewer), or the information of the various forms for the EC (CM Viewer).

Voxel – volume pixel – the smallest distinguishable box-shaped part of a three-dimensional image.

Voxelization is the process of adding depth to an image using a set of cross-sectional images known as a

volumetric dataset. These cross-sectional images (or slices) are made up of pixels. The space between any

two pixels in one slice is referred to as interpixel distance, which represents a real-world distance. And, the

distance between any two slices is referred to as interslice distance, which represents a real-world depth.

The dataset is processed when slices are stacked in computer memory based on interpixel and interslice

distances to accurately reflect the real-world sampled volume. Next, additional slices are created and

inserted between the dataset’s actual slices so that the entire volume is represented as one solid block of

data. Now that the dataset exists as a solid block of data, the pixels in each slice have taken on volume and

are now voxels. (from Webopedia <http://www.webopedia.com/TERM/V/voxel.html>)

VPN – Vendor Proprietary Notice – an ESA term

W

WBS – Work Breakdown Structures

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Where Referenced – a query in Teamcenter to find every instance that an item is being accessed by users.

(See References as pointers)

Where Used – a query in Teamcenter to find every assembly a detail or sub-assembly is used in.

WI – Work Instructions

WIP – Work In Progress – files in DDMv5 and DDMv6 that have not been finalized. When saved they

will override the previous version.

Workflow – the steps needed or possible to accomplish a certain end goal. These steps maybe required to

be signed off by various experts to guarantee valid procedure.

WRA – Work Release Authorization

WRA WBS – Work Release Authorization Work Breakdown Structure

WUD – Where UseD

X

X Numbers – (non-flight) non-engine part numbers used by systems, structures groups