# Windchill Product Analytics 10.1 x M10

# New Features

**SCM Solutions Validation & Enablement**

October 24, 2012

**PTC**® PRODUCT & SERVICE ADVANTAGE

- ## New Features in WPA Platform
  - Management of BOM Collections
  - Support for JMS with Active MQ for Processing Jobs
  - Support for IE 9.0, Safari 5.1.7 Web Browsers
  - New Roles for Improved Access Control
  - Scheduled Job Listing
  - Webservice Authentication Changes



- ## New Feature in EC Module
  - New Specifications
  - Updates to REACH Specifications
  - Updates to EU RoHS Specification
  - EC Module New Roles for Improved Access Control
  - Enhancement to "Material Content" Tab
  - IMDS Features
  - Other Enhancements

- ## New Feature in Cost Module
  - Bulk Upload Of Cost Data
  - Display Order of Cost Breakdown Types Can Be Controlled

# New Feature In WPA Platform

**BOM
Collections**
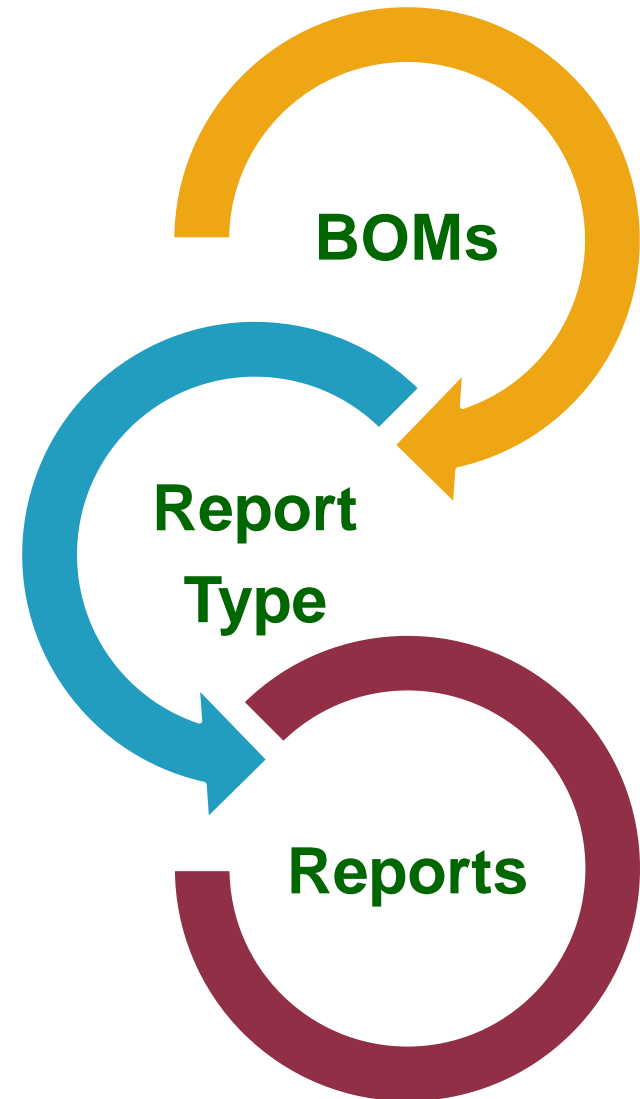
# Create BOM Collections

- Create BOM Collection

- Add/Remove BOMs to Collections

- My BOM Collections

# Assign Report Type

- Add Collection Summary Report

- Part Sourcing Summary Report

- EC Data Completeness Report

# View Reports

- Send Reports to Queue

- Delete Report Options

- Report History

**BOMs**

**Report
Type**

**Reports**

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## Part Sourcing Summary Report

- *Used to identify the Supply Chain Risk for a collection of Products (BOMs).*
- *Displays Unique Parts with No Identified Supplier Parts,*
- *Summary counts of Single sourced and multi-sourced parts.*

Part Sourcing Summary Report

## EC Data Completeness Report

- *Used to identify the Compliance Status Information for a collection of Products (BOMs).*
- *Displays Unique Parts with Compliant, Non Compliant and Unreported Supplier Parts.*

EC Data ompleteness Repo

# {J.M.S}  with  ActiveMQ

❑ The Java Messaging Service (JMS) with the ActiveMQ is provided as part of a Framework Component for Processing Jobs (For BOM Collections).

❑ The Settings for the Primary JMS Server and Failover Servers (if installing in a Clustered Server Environment) can be Configured during WPA Installation.

**Safari 6.0**
**(Mac)**
**Safari 5.1.7**
**(Windows 7)**

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## ROLE_RDR_REVIEW

- *Enables the User to View, Accept, and Reject the Files for Upload.*

## ROLE_RDR_UPLOAD

- *Enables the User to Upload Files and View Upload Queue.*
- *The Upload Files also include Suppliers From File and BOM AVL files.*

# Scheduled Job Listing

## Scheduled Jobs

| R... | Application | Job | Next Execution Time | Fixed Delay (ms) | Cron Expression |
|---|---|---|---|---|---|
| 1 | Cost Information | ⊞ Purge Cost Estimate Report Job | Wednesday, October 10 2012 7:00:00 PM UTC-4 | | 0 0 1 * * ? |
| 2 | Cost Information | ⊞ Company Part Cost Status Job | Wednesday, October 10 2012 2:46:00 PM UTC-4 | | 0 * * * * ? |
| 3 | Document Scanning Framework | ⊟ Upload Document Scanner | Wednesday, October 10 2012 2:45:30 PM UTC-4 | | 0/2 * * * * |
| | Job Id: com.ptc.insight.document.connector.upload.job.scheduler<br>Description: Scan directories for files to add to upload queue | **New** | | | |
| 4 | Environmental Compliance | ⊞ Company Part Compliance Job | Wednesday, October 10 2012 2:46:00 PM UTC-4 | | 0 * * * * ? |
| 5 | Environmental Compliance | ⊞ Supplier Part Compliance Job | Wednesday, October 10 2012 2:46:00 PM UTC-4 | | 0 * * * * ? |
| 6 | Job Processing Framework | ⊟ Job Terminator | Wednesday, October 10 2012 2:46:30 PM UTC-4 | | 30 */2 * * * ? |
| | Job Id: com.ptc.insight.job.core.timeout.scheduler<br>Description: Terminates a running job if it exceeds its timeout. | **New** | | | |
| 7 | Life Cycle Analytics | ⊞ Company Part Impact Job | Wednesday, October 10 2012 2:46:00 PM UTC-4 | | 0 * * * * ? |
| 8 | Relevant Data Repository | ⊞ Document Make Official Job | Wednesday, October 10 2012 2:45:33 PM UTC-4 | 10000 | |
| 9 | Relevant Data Repository | ⊞ Document Upload Job | Wednesday, October 10 2012 2:45:31 PM UTC-4 | 10000 | |
| 10 | Relevant Data Repository | ⊞ Purge BOM Job | Wednesday, October 10 2012 7:00:00 PM UTC-4 | | 0 0 1 * * ? |

|◄   ◄   Page [1]   of 1   ►   ►|   ⟳   Displaying 1 - 10 of 10

### Upload Document Scanner
- Used to upload Material Declarations Automatically from a Folder
- Can be configured for Multiple File Folder to Multiple Parsers.
- See Configuration Guide for more details

### Job Terminator
- Used in "BOM Collection" feature, to stop any jobs that exceed the pre configured timeout limit
- See Configuration Guide for more details

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❑ WPA Compliance, Cost, LCA, and RDR Web Services use only Database Authentication even if the application uses the LDAP or pre-authentication methods.

❑ This allows integrations to use "Users" that are stored in local database only and not require creation of these users in the LDAP directory or re-use a SSO user for authentication.

# New Feature In WPA EC Module

**gadsl** global automotive declarable substance list

**Independent of any Module, any Customer can deploy!**

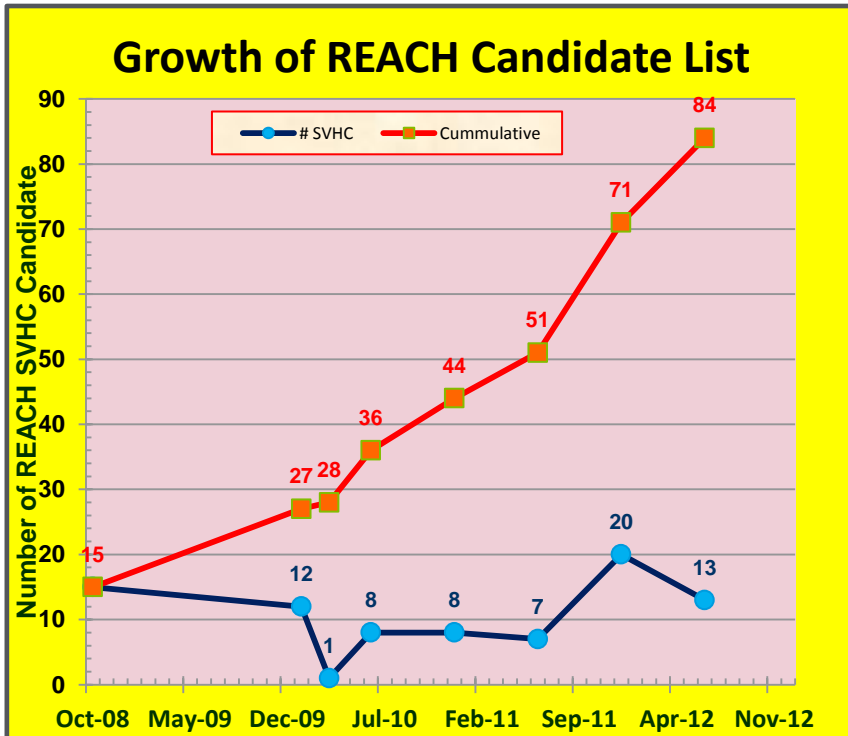*Declarable (Feb 2012)*

*Prohibited (Feb 2012)*

*Automotive (Mar 2011)*

# ELV

*Installed Automatically when IMDS Module is deployed, but needs to be enabled through proper GADSL / ELV Spec License.*
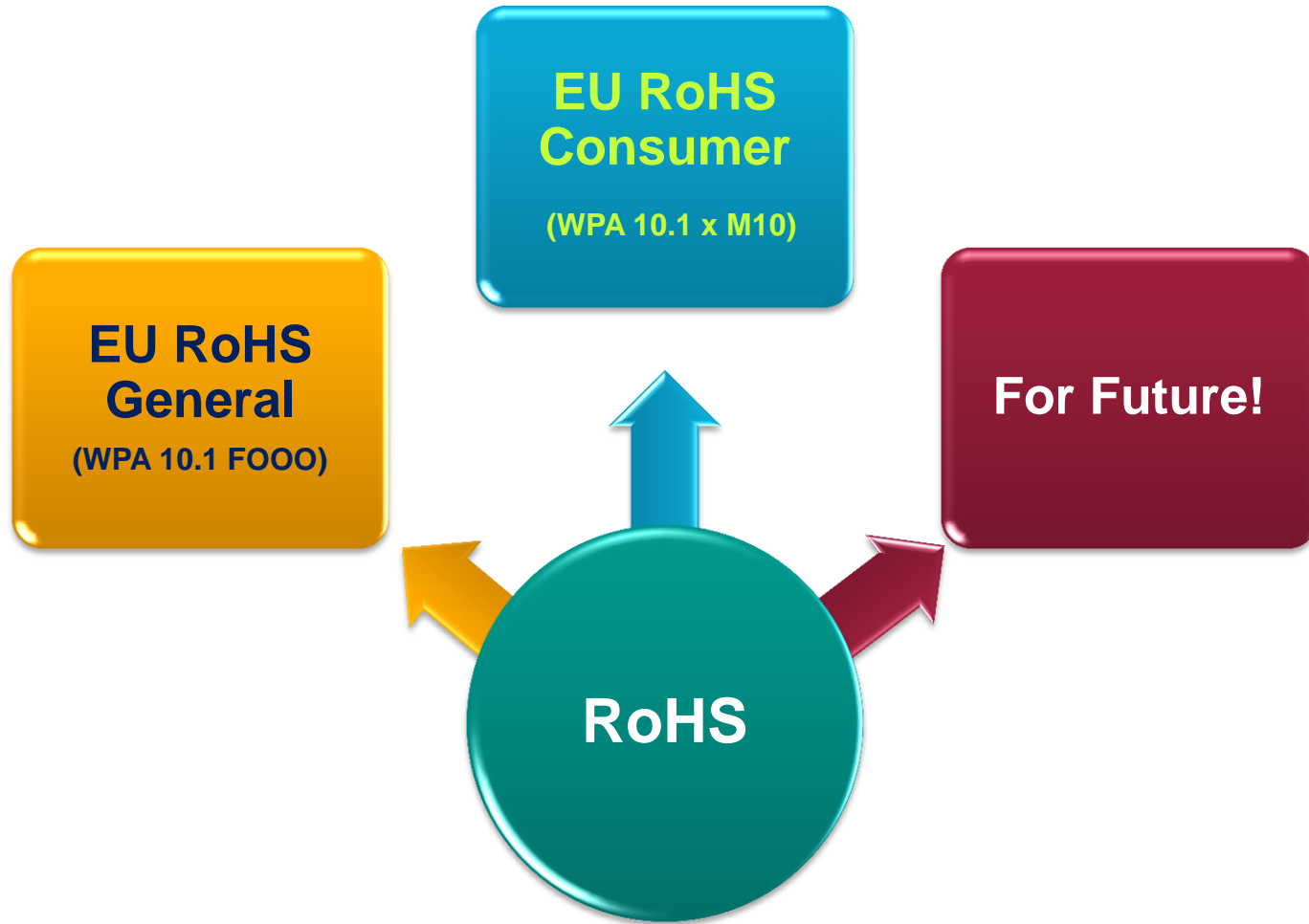
# Updates to REACH Specifications

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REACH

*Candidate (Jun 2012)* ⬢          ⬡ *Authorization (Dec 2010)*

## Growth of REACH Candidate List



Number of REACH SVHC Candidate

Legend: # SVHC — Cummulative

Cummulative values: 15, 27, 28, 36, 44, 51, 71, 84
# SVHC values: 15, 12, 1, 8, 8, 7, 20, 13

X-axis: Oct-08, May-09, Dec-09, Jul-10, Feb-11, Sep-11, Apr-12, Nov-12

## Growth of REACH Authorization List



Number of REACH SVHC Authorization

Legend: # SVHC — Cummulative

Cummulative values: 6, 14
# SVHC values: 6, 8

X-axis: Jun-09, Sep-09, Dec-09, Mar-10, Jun-10, Sep-10, Dec-10

13

**EU RoHS Consumer**

**(WPA 10.1 x M10)**

**EU RoHS General**

**(WPA 10.1 FOOO)**

**For Future!**

**RoHS**

# EC Module New Roles For Improved Access Control

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## ROLE_EC_BATTERY

- *Enables the user to Mark or Unmark a Part as a Battery.*

## ROLE_EC_GENERATE_REQUESTS

- *Enables the user to Generate Supplier Part Requests.*

## ROLE_EC_MANAGE

- *Enables the Compliance Manager to manage Compliance for Parts.*

## ROLE_EC_REVIEW

- *Enables the User to View, Accept, and Reject uploaded Material Declaration Files.*

## ROLE_EC_UPLOAD

- *Enables the User to Upload Material Declaration Files.*
- *Access to View Upload Queue Page.*

# Enhancement to "Material Content" Tab

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❖ **Expand and Collapse of Bill of Substances Tree Structure.**

❖ *Measure Mass (g)* = Declared Part Weight by Supplier.

❖ *Calculated Mass (g)* = Sum of Homogeneous Material Mass Declared.

❖ *Total Unspecified Mass (%)* = 100 – (Total Substance Mass Declared / Calculated Mass) x 100

❖ *Deviation (%)* = 100 – (Calculated Mass / Measured Mass) x 100

❖ **Component (Sub-Part) and Semi-Component in the Structure along with their Quantity and Unit.**

❖ **Pre and Post Consumer Recycled % attributes are removed.**

❖ *Portion* = % of Substance in THAT Homogeneous Material; Unspecified % listed against the Material

❖ *Mass (%)* = (Substance or Homogeneous Material Mass / Calculated Mass) x 100
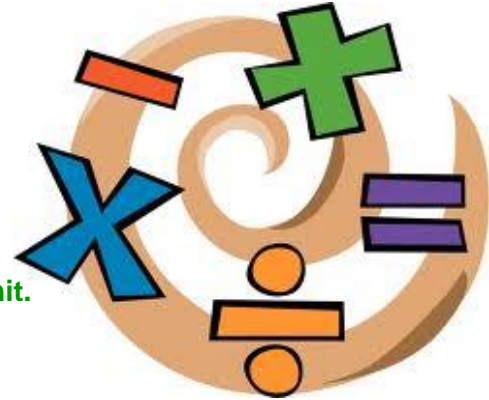
---

| Material Content | Company Parts | Compliance | Material Declaration | Requests | IMDS Information | Lead Free |

| Measured Mass (g) | Calculated Mass (g) | Total Unspecified Mass (%) | Deviation (%) |
|---|---|---|---|
| 20 | 19 | 5.263158 | 5 |

**The Maximum number of Levels displayed when (+) clicked is configurable.**

[ + ] [ - ]

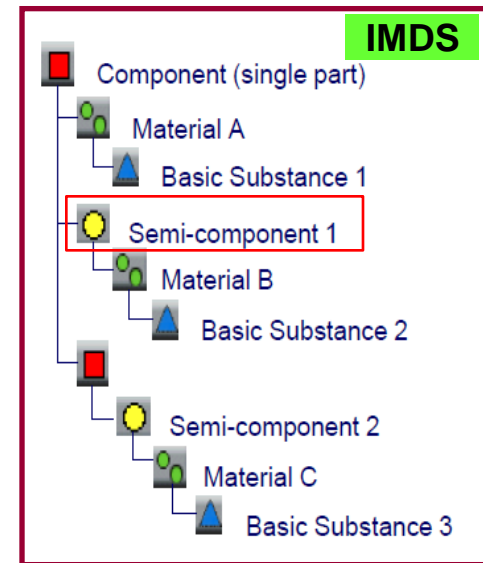| Name / Number | Internal Mat. N... | Description/Class/Category | Quantity | Unit | Portion - [unspecified] (%) | Mass (%) | Mass (g) |
|---|---|---|---|---|---|---|---|
| 62038111 | | 1 OHN RES | | | | 100 | 19 |
| RES1 | | | 1 | each | | 78.947368 | 15 |
| RESIN | | DUMMY MATERIAL CLASSIFICATION | - - | | [20] | 26.315789 | 5 |
| BIS(2-METHOXYETHYL) PHTHALATE (DBP) | 117-82-8 | BIS(2-METHOXYETHYL) PHTHALATE (DBP),... | - - | | 20 | 5.263158 | 1 |
| CHLOROTRIFLUOROMETHANE (CFC 13) | 75-72-9 | BSH BLACK, CHLORINE AND CHLORINE C... | - - | | 60 | 15.789474 | 3 |
| STEEL | | DUMMY MATERIAL CLASSIFICATION | - - | | | 52.631579 | 10 |
| BENZIDINE | 92-87-5 | AMINES (AZO DYES), AMINES (AZO DYES) P... | - - | | 30 | 15.789474 | 3 |
| BISMUTH NITRATE | 10361-44-1 | BISMUTH/ BISMUTH COMPOUNDS, INORG... | - - | | 70 | 36.842105 | 7 |
| RES2 | | | 1 | each | | 21.052632 | 4 |
| CLAY | | DUMMY MATERIAL CLASSIFICATION | - - | | | 21.052632 | 4 |
| ACTINOLITE | 77536-66-4 | ASBESTOS FIBRES, ASBESTOS, ASBESTO... | - - | | 25 | 5.263158 | 1 |
| DICHLOROFLUOROMETHANE (HCFC 21) | 75-43-4 | CHLORINE AND CHLORINE COMPOUNDS,... | - - | | 75 | 15.789474 | 3 |

# IMDS Features

## a. Introduction and Support for "Semi-Components"

- ❑ A *Semi-Component* **IS NOT** the same as what is commonly referred to as **Sub-Component**.

- ❑ E.g. Bolt of Cloth, a wire wrap that is cut down, vinyl tubing that is cut from a roll, etc. - something that is *used by weight, length, or volume* during processing.

- ❑ Semi-Component are displayed only in the context of *IMDS Dataset*.

- ❑ Parts that uses "Semi-Components" are *flagged*.

- ❑ Icon used =  Semi-Component





### Supplier Part Search Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Export To Excel | Add Document | Assign Part Owners | | Generate Request | Mark As Battery | Search In GDX | |

| | No. | Part Number | Description | Supplier | EC Part Owner | Semi-Component | Disclosure | Last Report... |
|---|---|---|---|---|---|---|---|---|
| ☐ | 1 | 901268559 | Comp_mat_in_mat_2 | PTC | | No | 🔴 | 07/04/2012 |
| ☐ | 2 | COMP_MAT_IN_MAT_3 | Comp_901268928 | PTC | | No | 🔴 | 07/10/2012 |
| ☐ | 3 | SC_MAT_IN_MAT_PC_01 | SC_Mat_In_Mat_PC_01 | PTC | | Yes | 🔴 | 05/23/2012 |
| ☐ | 4 | COMP_MAT_IN_MAT_4 | Comp_901268950 | PTC | | No | 🔴 | 07/10/2012 |
| ☐ | 5 | GRN5615 | Clip 2150 | PTC | | No | 🔴 | 11/12/2011 |
| ☐ | 6 | SC_SAME_NAME_DIFF... | SC_Same_Name_Diff... | PTC | | Yes | 🔴 | 05/29/2012 |
| ☐ | 7 | SEMICOMP_MAT_IN_MA... | SemiComp_901268951 | PTC | | Yes | 🔴 | 07/10/2012 |

## b. Introduction and Support for "Components"

❑ A *Component* **IS NOT** the same as what is commonly referred to as **Part**.

❑ A Component is a *Sub-Part*.

❑ E.g. Resistors, Capacitors in a Assembled PCB.

❑ Icon Used = Component

IC Component in PCB
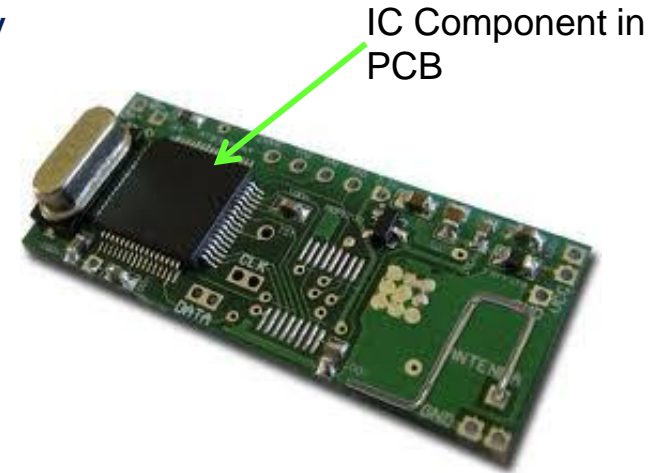
| Material Content | Company Parts | Compliance | Material Declaration | Requests | IMDS Information | Lead Free |

| Measured Mass (g) | Calculated Mass (g) | Total Unspecified Mass (%) | Deviation (%) |
|---|---|---|---|
| 20 | 20 | - | 0 |

| Name / Number | Internal Ma... | Description/Class/Category | Quantity | Unit | Portion - [unspecified] (%) | Mass (%) | Mass (g) |
|---|---|---|---|---|---|---|---|
| ⚙ 62038 | | 1 OHN RES | | | | 100 | 20 |
| ▸ RES1 | | | 1 | each | | 75 | 15 |
| ▸ RESIN | | DUMMY MATERIAL CLASSIFICATION | | - - | | 25 | 5 |
| BIS(2-METHOXYETHYL) PHTHALATE (DBP) | 117-82-8 | BIS(2-METHOXYETHYL) PHTHALA... | | - - | 40 | 10 | 2 |
| CHLOROTRIFLUOROMETHANE (CFC 13) | 75-72-9 | BSH BLACK, CHLORINE AND CHL... | | - - | 60 | 15 | 3 |
| ▸ STEEL | | DUMMY MATERIAL CLASSIFICATION | | - - | | 50 | 10 |
| BENZIDINE | 92-87-5 | AMINES (AZO DYES), AMINES (AZ... | | - - | 30 | 15 | 3 |
| BISMUTH NITRATE | 10361-44-1 | BISMUTH/ BISMUTH COMPOUND... | | - - | 70 | 35 | 7 |
| ▸ RES2 | | | 1 | each | | 25 | 5 |
| ▸ CLAY | | DUMMY MATERIAL CLASSIFICATION | | - - | | 25 | 5 |
| ACTINOLITE | 77536-66-4 | ASBESTOS FIBRES, ASBESTOS, ... | | - - | 20 | 5 | 1 |
| DICHLOROFLUOROMETHANE (HCFC 21) | 75-43-4 | CHLORINE AND CHLORINE COM... | | - - | 80 | 20 | 4 |

## c. Upload Data Parsers for IMDS

❑ **IMDS Files that can be processed (Ver 2.5 / 2.6):**
  - MPS All        (Sample File Attached)
  - MPS Daily      (Sample File Attached)
  - CMS Daily      (Sample File Attached)

❑ **Supported IMDS Parsers:**
  - IMDS
    - *Supplier Part / Material has to exist in WPA*
    - *Was named as "IMDS No Validation" in 10.1 x F000*
  - IMDS Create Parts
    - *Supplier Part / Material will be created when they are not existing in WPA*
  - IMDS Create and Accept Parts and Materials
    - *As a shortcut process, files will not require any Approval step and is auto accepted.*
    - *Supplier Part / Material will be created when they are not existing in WPA*
  - IMDS Substance Application To Exemption Mapping (Role EC Administrator required)
    - *Used to map "Application Codes"  (for a Spec) to ELV or GADSL Exemptions*

**MPSDaily.dat    MPSAll.dat    CMSDaily.dat    MSATE.data**

**Upload Files**

| Tasks | Step 1: Select Files |
|---|---|
| 1. Upload Files<br>2. View Upload Queue<br>3. Review Uploads | **Message(s)**<br>• Upload Tips:<br>  ○ Maximum number of files is 10<br>  ○ Maximum recommended upload size for each file is 5 MB<br>  ○ For best performance, please upload larger files during off-peak hours |

Select File Name* :

[ Browse... ]

**Step 2: Select Uploading Options**

[ Upload All ] [ Delete ]  IMDS Substance Application to Exemption Ma ▼  [ Apply T... ]

☑  Fil...  ...ele...

- Attributes
- BOM AVL
- Bulk Exemption Mapping
- Compliance Specification
- Cost Breakdown Types
- Cost Data
- Cost Estimate Types
- Currency Exchange Rates
- **IMDS**
- **IMDS Create Parts**
- **IMDS Create and Accept Parts and Materials**
- **IMDS Substance Application to Exemption Mapping**
- IPC
- IPC Continue On Unknown Supplier Part
- IPC Create References, Sup.Part, Supplier, Cmp.Part
- IPC Create References, Supplier
- IPC Create Supplier Part, Supplier
- LCA Electricity Emission Data
- LCA Reference Data - CSV
- LCA Reference Data - EcoSpold

*Files are "Split" based on "Supplier Part" for easy Acceptance / Rejection.*

# IMDS Features

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## d. "Material" Tab in "View Uploaded Data" Page

❑ **Accept / Reject Process** for "Material" Created through IMDS File Upload.

❑ "Materials" are made "**Official**" when Accepted.

❑ Internal Notification is available on Acceptance or Rejection.

❑ Accept / Reject Comments are stored in the "**History**" Tab of the Material.

**View Uploaded Data**    Back to Review Uploads

| Supplier Part | Material |

Accept    Reject

Accept/Reject Comment:

Enter comment    Remaining Characters 2000
(Comment is required for Reject action)

| | No. | Show | Document Name | Material Name | Internal Material Number | Supplier | Standard Material Number | Material Classification |
|---|---|---|---|---|---|---|---|---|
| ☐ | 1 | 📄 | CMSDaily_900032d_000023.dat | Green PAINT | GP5050 | PTC | | 6.1 |
| ☐ | 2 | 📄 | CMSDaily_900032d_000021.dat | Steel 1020 | CRT1020 | PTC | 1020 | 1.1 |
| ☐ | 3 | 📄 | CMSDaily_900032d_000020.dat | Yellow Paint 6670 | RT8989 | PTC | | 6.1 |
| ☐ | 4 | 📄 | CMSDaily_900032d_000022.dat | Rubberized Coating EPDM | XNR3300 | PTC | | 5.3 |

|◄    ◄    Page  1  of 1    ▶    ▶|    Displaying 1 - 4 of 4    Rows/Page

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## e. "IMDS Information" Tab in "Supplier Part Information" Page

❑ "IMDS Information" tab details are created only for "IMDS File" uploads.

❑ The data can also be viewed in "Material Content" Tab – will not display IMDS specific information.

❑ This data will not be created for normal Material Declaration Uploads (e.g. IPC forms) – displayed as "No data available".

| ☑ | Name / Number |
|---|---|
| ☑ | Internal Mat. No./CAS No. |
| ☑ | Description/Class/Category |
| ☑ | IMDS ID / Version |
| ☑ | Supplier |
| ☑ | Poly Parts Mark |
| ☑ | Mat. Symbol |
| ☑ | App. Code |
| ☑ | Proc. Chemical |
| ☑ | Post Indust. Recycl. (%) |
| ☑ | Post Cons. Recycl. (%) |

| Material Content | Company Parts | Compliance | Material Declaration | Requests | **IMDS Information** | Lead Free |
|---|---|---|---|---|---|---|

[ + ] [ - ]

| Name / Number | Internal Mat. No./CAS No. | Description/Class/Category | IMDS ID / Version | Supplier | Poly Parts Mark | Mat. Symbol | App. Code | Proc. Chemical | Post Indust. Recycl. (%) ▲ | Post Cons. Recycl. (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ⚙ YIE32-1000 | | Motherbord for cell phone | 900545299 / 1 | | | | | | | |
| ▲ Cap CHIP NTC- | | | 900545302 | | | | | | | |
| ▲ Capacitor El | | | 900545303 | | | | | | | |
| ▲ NTC Coa | MnO2 | 6.2 | 900545188 | N/A | | | | | | |
| C | 7440-44-0 | CARBON AND CARBON COMPOUN... | 1995 | | | | | | | |
| MAN( | 1313-13-9 | OTHER, TRADE UNION | 2305 | | | | | | | |
| TANT | 7440-25-7 | CHK: CLASSIFICATION 1-4, CHK: C... | 3135 | | | | | | | |
| ▲ Weichlot | | 4.2 | 900545187 | N/A | | | | | | |
| AG | 7440-22-4 | CHK: CLASSIFICATION 1-4, CHK: C... | 3090 | | | | | | | |
| P-F-F | 9003-35-4 | CHK: CLASSIFICATION 1-6, CHK: N... | 2812 | | | | | | | |
| ▲ Epoxy Moldi | | | 900545304 | | Not Applicable | | | | | |
| ▲ PA66 GF | xx_PA66 | 5.1.a | 900545189 | N/A | | PA66GF25 | | | | |

## f. IMDS Reporting Class for "Part Request" Generation

❑ **"IMDS Requests"** can be generated for "Supplier Parts".  One Request for each Part.

❑ Requests are created in **xml Format**.  Requests Contain the basic details of the "Supplier Part".

❑ See the Configuration Guide for the details on email notification configuration.

## g. "Warning Message" During IMDS File Uploads

❑ Used widely in IMDS Uploads for records that are marked as Hidden or Deleted in IMDS Data source and when part data is already uploaded in WPA.

❑ Warning Messages displayed during the "Accept/Reject" Process, in Review Uploads step and can be viewed in respective "Document Information" Page too.

❑ These warnings are stored along with the uploaded Documents (upload Files).



**Review Uploads**

| Tasks | Review Uploads |
|---|---|
| 1. Upload Files | Accept  Reject  View Uploaded Data  Export To Excel  Filter By... |
| 2. View Upload Queue | Accept/Reject Comment: |
| 3. Review Uploads | Enter comment    Remaining Characters 2000 |
|  | (Comment is required for Reject action) |

| | ID | File Name | Uploading Option | Warning Messages | User | Size | Date |
|---|---|---|---|---|---|---|---|
| ☐ | 7549 | CMSDaily_900032d_000024.dat | IMDS | ⊟ Warning | kannan | 2 KB | 10/11/2012 15:05:55 |
| | | Uploading Option:IMDS<br>E-EC-UP-00202: Supplier Part '100_PART_68' is already loaded. | | | | | |
| ☐ | 7548 | CMSDaily_900032d_000023.dat | IMDS | ⊟ Warning | kannan | 954 bytes | 10/11/2012 15:05:55 |
| | | Uploading Option:IMDS<br>E-EC-UP-00200: Material 'Green PAINT' is already loaded. | | | | | |
| ☐ | 7547 | CMSDaily_900032d_000022.dat | IMDS | ⊟ Warning | kannan | 795 bytes | 10/11/2012 15:05:55 |
| | | Uploading Option:IMDS<br>E-EC-UP-00200: Material 'Rubberized Coating EPDM' is already loaded. | | | | | |

## h. Support for "Material Norms"

❑ Material Norms are Extracted and Stored from IMDS Upload Files against the Respective Materials.

❑ Material Norms are **"Material Standards"** that contains specific information about that Material.

❑ Material Norms are Parsed and Stored for "Material in Parts" but they are not displayed in GUI.

**Material Information**

▾ Material - UNS S41008

| | |
|---|---|
| Material Name: | UNS S41008 |
| Trade Name: | N/A |
| Internal Material Number: | UNS S41008 |
| Standard Material Number: | UNS S41008 |
| Material Norm: | ASTM A240 |
| | ASME SA240 |
| | ASTM A473 |
| Supplier: | IMDS-Committee / ILI Metals |
| Contact: | |
| Reported Date: | 09/22/2012 |
| Version: | 1 |
| Official: | Yes |

| Material Content | IMDS Information | History |

+ −

| Material Structure | IMDS ID | Internal Material Num... | CAS Number | Material Classification | Process Chemical | Percentage |
|---|---|---|---|---|---|---|
| ◢ 🔧 Martensitic Cr Stainless Steel (Hardenable by Heat Treatment, Low Carbon) (410S) | 11897587 | UNS S41008 | | 1.1.2 | | 100 |
| 🔹 C | 1995 | | 7440-44-0 | | | 0 - 0.08 |
| 🔹 CHROMIUM | 1349 | | 7440-47-3 | | | 11.5 - 13.5 |
| 🔹 FE | 1762 | | 7439-89-6 | | | 86.125 |
| 🔹 MANGANESE | 2301 | | 7439-96-5 | | | 0 - 1 |
| 🔹 NICKEL | 2619 | | 7440-02-0 | | | 0 - 0.6 |

# IMDS Features

## i. Identification of "Suppliers" based on "Supplier Code"

- ❑ When uploading MDS Files, Suppliers can be identified based on their "Supplier Code" from the "RecipientRecord (R-Record)" detail.

- ❑ MDS Files also contains the following to identify the Suppliers:
    - IMDS Company ID or IMDS Organization ID (in MC Record)
    - Supplier Codes (in R Record)

- ❑ WPA Maintains multiple Supplier IDs as "Alternate IDs"

- ❑ Matching of "Supplier" is done systematically based on IMDS ID, Supplier Code, Alternate ID (in this order).

- ❑ When a match is found at any stage, all other IDs are added as "Alternate IDs".

**Supplier Information**

Actions: [        ▼] [Go]

▼ Supplier - PTC

| Name: | PTC |
| Description: | |
| Organization ID: | 900033-PTC-900033 |
| Classification: | |
| Rating: | |
| Active: | Yes |

| Contacts | Locations | Alternate IDs | Documents | Manufacturing Location |

| No. | Alternate ID | Alternate ID Type | Last Modified Date |
|-----|-------------|-------------------|--------------------|
| 1 | IM4IMDS | SUPPLIER_CODE | 09/18/2012 |
| 2 | g600 | SUPPLIER_CODE | 10/10/2012 |
| 3 | G700 | SUPPLIER_CODE | 10/01/2012 |
| 4 | G600 | SUPPLIER_CODE | 08/16/2012 |
| 5 | 2339 | SUPPLIER_CODE | 08/15/2012 |
| 6 | 50000127 | SUPPLIER_CODE | 10/15/2012 |
| 7 | 900033 | IMDS | 05/15/2012 |

|◀   ◀   Page [1]   of 1   |   ▶

# Other Enhancements

❏ Search for "Supplier Part" based on "Multiple":
  - Material Name.
  - Containing Substance Name.
  - CAS#, EC #, IMDS ID.



❏ Secure upload of "Material Declarations" into WPA based on the File Extensions. Required File Extensions can be configured for the upload. All other files are filtered based on this configuration.

❏ All "Searches" standardized based on "New Line Character" only. Comma based separations are removed!

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❑ Hyperlinks to Source System (Part Master) for the Company Part and Supplier Parts can be configured for parts in WPA. These hyperlinks can be displayed in their respective Information Pages. Windchill link displayed as OOTB.

❑ "Effective Date" attribute is added to the "ProductID" xml tag with reference to the "IPC BOM Report" xml. Effective Date will be the "Current Date" of report generation. This will help "BOM Check" Imports.

❑ Stale Database Connections can be Monitored and Evicted through property file configurations. Refer to the configuration guide for details on the parameters.

# New Feature In WPA Cost Module

# Bulk Upload Of Cost Data

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## Upload Cost Data

### General Information

| Field | Value |
|---|---|
| File name* : | [            ] Browse... |
| Saved Template : | [ ▼ ] |
| Delimiter* : | [            ] |
| Part Type* : | Company Part ▼ |
| Part Number Column* : | [            ] |
| Organization ID Column* : | [            ] |
| Part Type* : | Company Part ▼ |
| Part Number Column* : | [            ] |
| Organization ID Column* : | [            ] |
| Line Number Start* : | [            ] |
| Part Number Column* : | [            ] |
| Organization ID Column* : | [            ] |
| Line Number Start* : | [            ] |

\* Indicates a required field

> "Primary Cost Estimate" can be set in Bulk for all the "Parts" through **Upload > Upload Cost Data**.

### Target Cost Information

| Field | | Value |
|---|---|---|
| Currency Code : | Column : | [      ] |
| | Default : | [ ▼ ] |
| Target Cost : | Column : | [      ] |
| Volume : | Column : | [      ] |

### Cost Estimate Information

| Field | | Value |
|---|---|---|
| Cost Estimate Type : | Column : | [      ] |
| Currency Code : | Column : | [      ] |
| | Default : | [ ▼ ] |
| Cost Estimate : | Column : | [      ] |
| | ☐ Breakdown : | |
| Confidence : | Column : | [      ] |
| Volume : | Column : | [      ] |
| Is Primary : | Column : | [      ] |
| | Value of True : | [      ] |

# Display Order of Cost Breakdown Can Be Controlled

❑ Display Ranking can be set for the "Cost Breakdown" based on the Business Priority – Frequency of Usage etc.

❑ Cost Breakdown Type Upload Template has been revised to set this "Ranking".

❑ Sample File attached.  Ranks can be se to any number.

costbreakdowntype.data