

Oracle® Utilities Work and Asset Management

Release Notes

Release 1.9.1.1

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Preface

This document contains release notes describing enhancements and repairs to this release of Oracle Utilities Work & Asset Management. Items are sorted by subsystem and module, then by Bug DB number.

Audience

These release notes are intended for anyone installing or using Oracle Utilities Work and Asset Management Release 1.9.1.1.

Related Documents

For more information on this release, refer to the following related documentation. Please ensure that you are using the appropriate guide based on whether you are installing on Windows or Linux Application Server.

User Documentation

- *Oracle Utilities Work and Asset Management Configuration Guide for Release 1.9.1.1*
- *Oracle Utilities Work and Asset Management Online Help for Release 1.9.1.1*
- *Oracle Utilities Work and Asset Management User Guide for Release 1.9.1.1*
- *Oracle Utilities Work and Asset Management Customization Guide for Release 1.9.1.1*

Installation Documentation

About the Release

- *Oracle Utilities Work and Asset Management Quick Install Guide for Release 1.9.1.1*
- *Oracle Utilities Work and Asset Management Release Notes Guide for Release 1.9.1.1*

New Installations

- *Oracle Utilities Work and Asset Management Installation Guide for Release 1.9.1 on Linux OS Application Server*
New installation on WebLogic / Linux OS
- *Oracle Utilities Work and Asset Management Installation Guide for Release 1.9.1 on Windows OS Application Server*
New installation on WebLogic / Windows OS

Supporting Docs

- Oracle Weblogic Server:
<http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html>
- *Oracle® Fusion Middleware Installation Guide for Oracle WebLogic Server 11g Release 1 (10.3.6)*
- *Oracle® Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer 11g Release 1 (11.1.2)*
- *6.5 Installation on Operating Systems Not Certified at the Time of Product Release:*
http://docs.oracle.com/html/E18558_01/fusion_requirements.htm#BABCEFEA

Conventions

The following text conventions are used in this document:

Convention	Meaning
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Supported Platforms and Hardware Requirements

This section provides information regarding the operating systems and servers on which this release has been tested and certified.

Supported Platforms

The installation has been certified to operate on many operating system, application server, and database server combinations. See below for details on the browser, operating system and application server combinations on which this release has been tested and certified. If you are consulting this matrix in between releases (including service pack and patch releases), you should contact customer support for the most up to date version.

Operating System	Chipset	Application Server	Database Server	Client Operating System
*AIX 5.3 (64-bit) TL11	Power	Not Supported	Supported	Windows XP x86 SP3
*AIX 6.1 (64-bit) TL4	64-bit		Oracle	(32-bit)
Oracle Enterprise Linux 5.8 & 6.4 (64-bit)	x86_64	Weblogic Server 10.3.6 Forms 11g 11.1.2.1	Database versions include 10.2.0.4, 11.1.0.7, and 11.2.0.3, Enterprise or Standard Edition.	Windows7 x86 SP1 (64-bit and 32-bit)
Red Hat Enterprise Linux 5.8 & 6.4 (64-bit)				Windows Vista x86** (64-bit and 32-bit)
*Solaris 11 (64-bit)	SPARC	Not Supported		Oracle Enterprise Linux 5.4 (64-bit)
HP Itanium HPia 11.31	x86_64	Not Supported		
Windows 2008 Server Enterprise Edition R2 SP2 (64-bit)	x86_64	Weblogic Server 10.3.6 Forms 11g 11.1.2.1		

Note: Oracle Utilities Work and Asset Management discontinued support and releases of applications on Oracle Application Server (OAS) in release 1.9.1 due to the de-support of this platform by the Oracle Server Group as of December 2012.

Client Operating System Specific

Browsers

- Internet Explorer 8.x (32-bit) - not supported on Linux client
- Internet Explorer 9.x (32-bit) - not supported on Linux client
- Internet Explorer 10 (32-bit) - Windows 7 only
- Mozilla Firefox ESR (32-bit)

Java

- Java Virtual Machine Plug-in for Browser - Java Plug-in v1.6.0_39 (32-bit) and v1.7.0.45 (32-bit)

Application Server Specific

Java

- JDBC Driver
11.2.0.2.0 (WebLogic)

Integrations

- Barcode
 - RFGen v3.2.1.28
 - Loftware 9.5
- GIS - ESRI ArcGIS 10.2
- GIS - ESRI ArcIMS 10
- GIS - ESRI ArcMAP 9.3
- GIS - Oracle MapViewer 10.1.3.4
- Microsoft Project 2007
- Oracle Business Intelligence Publisher 11g Release 1 (11.1.1.6.0)
- Oracle Business Intelligence v2.4.0
- Oracle Integration Pack for Oracle Utilities Field Work 3.1
- Primavera 8.3
- Windows Mobile 6.5

VM Products

- Oracle VM 2.2

Notes

- Oracle VM may be used to create a virtual machine for either the database or application server operating system. Refer to the Oracle VM Release 2.2 documentation for more information about using Oracle VM.
- Barcoding, Mobile, and Chart server add-on applications do not run on Linux. Please refer to knowledge base article ID 1336258.1 on <https://support.oracle.com> for more information.
- Fine Grain Access functionality requires Enterprise Edition Database Server.
- * If your database server is installed on AIX, HP or Solaris, please refer to the database support document for these servers.

Support for Software Patches and Upgrades

Due to the ongoing nature of software improvement, outside vendors and other Oracle products will issue patches and service packs for the operating systems, application servers and database

servers on top of specific versions that Oracle Utilities Work and Asset Management has been tested with. If it is necessary to apply an upgrade, please do that in a test environment prior to updating the Oracle Utilities Work and Asset Management production environment.

Always contact Oracle support prior to applying vendor updates that do not guarantee backward compatibility.

Release Notes

These release notes contain the following sections:

- [About This Release](#)
- [Known Issues](#)
- [Integration Information](#)
- [Fixes and Enhancements](#)

About This Release

Refer to the quick install guide and upgrade guide for information regarding certifications, supported platforms and installation steps.

Please visit My Oracle Support (<http://support.oracle.com>) for the most recent service packs and/or patches for this release to ensure you have the most current version of this product.

11G Database Support

If you are upgraded to the Oracle Database 11g, a special script is required to allow email and product integration URLs to be successful as in older versions of the database (8, 9i, 10g). Follow the instructions in the *Oracle Utilities Work and Asset Management Upgrade Installation Guide* to meet this requirement.

Please refer to the Oracle 11g DBMS documentation located on support.oracle.com for more details on how to restrict unwanted URLs.

Charts Server and Thumbnails

In Release 1.9.1, functionality to support chart thumbnails was removed due to Microsoft desupport of XP Web Components. As a result, charts are still supported with the following provisions:

- Chart thumbnail generation of charts on the home page is no longer supported. This functionality was replaced with static images that represent the chart graphic. Clicking the static image launches the corresponding chart. Office Web Components (required for thumbnail generation) are no longer supported on IIS Servers since they cannot run on a 64-bit environment
- Oracle Utilities Work and Asset Management uses XP Office Web Components to display the main chart. This is available and downloaded from Microsoft.
- Users can use existing charts, and can create new charts using Office XP or Office 2003. Later versions of Office do not support these features.

Oracle Forms Patches

If there are any Oracle Forms patches that need to be applied prior to upgrading, these are indicated in the [Known Issues](#) section.

Previous Patches

If you have recently applied a patch, please review these notes carefully to verify that your patch is included in this release. In rare cases, when a patch is requested close to the release date for the next software distribution, there may not be time to include the patch content in the general release. Functionality may be impacted if you apply a release that does not include a previously deployed patch. Check with Customer Support to verify the status of a particular item.

Unwrapped Database Procedures

This release of Oracle Utilities Work and Asset Management includes database procedures that are no longer wrapped to encode the programs. This was provided to allow customers to better understand the business logic that happens within various procedures so that it is easier to integrate Oracle Utilities Work and Asset Management with other products. These procedures are provided as a reference resource only. They should not be altered as they are an important part of the Oracle Utilities Work and Asset Management Base application and changing them will cause adverse affects to the application.

JAR File Certificate Information

Files (all files signed with the same certificate)

- jacob.jar
- jspell2n_java11.jar
- synergenpjc.jar
- syn.jar

Certificate Information

X.509, CN="Oracle America, Inc.", OU=Software Engineering, OU=Digital ID Class 3 - Java Object Signing, O="Oracle America, Inc.", L=Redwood Shores, ST=California, C=US
[certificate is valid from 7/6/10 5:00 PM to 7/6/13 4:59 PM]

Integration Information

The following integrations are supported in this version of Oracle Utilities Work and Asset Management:

Oracle Utilities Work and Asset Management Product Integrations

- **Integration with Oracle Utilities Advanced Spatial Analytics, 2.4.1**
Please refer to the documentation released with Oracle Utilities Advanced Spatial Analytics for more information.
- **Oracle Integration Pack for Oracle Utilities Field Work 3.1**
This integration can be downloaded on the Oracle Software Delivery Cloud. Select **Product Pack** "Oracle Application Integration Architecture" then select "Oracle Application Integration Architecture Release 3.1 Media Pack for Microsoft Windows".
- **Oracle Utilities Work and Asset Management Integration to Primavera P6 Enterprise Project Portfolio Management**
This integration can be downloaded on the Oracle Software Delivery Cloud. Select **Product Pack** "Oracle Application Integration Architecture" then select "Oracle Utilities Work and Asset Management Integration to Primavera P6 Enterprise Project Portfolio Management Release V11.1.0.0.0 Media Pack".

Desupported Integrations

The Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Work and Asset Management is no longer supported. This legacy integration was deprecated with the release of Oracle Utilities Customer Care and Billing 2.3.1 and Oracle Utilities Work and Asset Management 1.9 and was not certified with these versions.

Support continues for existing customers currently using or implementing this integration (i.e. address product defects related to this legacy integration). However the integration will not be enhanced or supported going forward therefore, we strongly discourage using this integration for new implementations. Existing customers can continue to leverage the integration patterns that were formerly delivered with the edge applications. However, please be advised that it will be necessary to maintain these as custom interfaces when upgrading to newer versions of the applications. Alternatively, customers can evaluate Oracle Integration Pack for Oracle Utilities Field Work, as the productized solution. The Field Work integration is generally more robust, configurable, and extensible than the older integration.

Known Issues

This section describes known issues in Oracle Utilities Work and Asset Management Release 1.9.1.1 at the time of release. Fixes for these issues will be released as they become available.

Oracle 11G Database

- 11G databases contain user profile features not related to Oracle Utilities Work and Asset Management that can still affect an Oracle Utilities Work and Asset Management user's ability to log in.

If users experience problems logging in, one possible cause is that the 11G default profile has an expiration of 180 days. Make sure that the PASSWORD_LIFE_TIME setting for the applicable database profile is consistent with Oracle Utilities Work and Asset Management password expiration settings.

Consult Oracle 11g Database documentation (available on my.oracle.support) for details.

General Browser Issues

- To support readability and accessibility compliance, style changes have been made to specify a relative size rather than a fixed font in web browsers. This allows different text elements to increase or decrease in size proportion based on generic web settings. In some versions users might see an increase in font size on some screens. To fix this issue, adjust the zoom setting:

Internet Explorer: View > Zoom (set percentage as appropriate)

Firefox: View > Zoom > Zoom Text Only then View > Zoom > Zoom In/Out (as needed)

Firefox

- Unable to launch the Entity Relationship Viewer. The viewer requires XSLT processing that Firefox is unable to perform. If the user attempts to upgrade Firefox using the recommended XML installer from Microsoft, the installer does not run.
- Right-click context menus do not function. These are the menus specific to Oracle Utilities Work and Asset Management, not standard right-click functionality.
- There is no Effects option for graphs.
- Dialog windows show a URL box which should not be visible. This was purposefully hidden in Internet Explorer.

- If you find that fonts do not appear sharp in Firefox try the following fix with Windows ClearType to improve the clarity.
<http://risingline.com/blog/smooth-firefox-fonts-windows-xp.php>

Summary of Steps

1. Minimize all your windows and right click anywhere on your desktop.
2. Select Properties then choose the Appearance tab then click the Effects button.
3. Make sure the check mark is in the box next to "Use the following method to smooth edges of screen fonts:" and select ClearType. Then click OK.

- There are slight differences in font display and size as well as differences in appearance for some portions of some components. Selecting the ClearType option as described above can also help to minimize this issue.
- The View Document action in Document module does not work for files which are stored on a shared network folder and whose storage type is 'File System'. This is due to a security restriction that prevents Firefox from loading such files. The workaround for this issue is to manually enter the file path in Firefox's address bar in order to load the file.

Internet Explorer

- In IE 8, when new browser windows are opened from forms, they may appear behind the current window. For example, when opening Advanced Options windows, Export Results of Search, or opening Online Help the newly opened window may not automatically appear in the forefront of the screen.
- IE 8 and IE 7 security features prevent charts from opening. There are 2 settings that can be changed to work around this issue. One setting is to allow the chart to run, and the second setting is to disable the warning dialogs. It is recommended that these changes are limited to trusted sites or the local intranet:
 1. In Internet Explorer select Tools > Internet Options.
 2. Select the Security tab.
 3. Click the Custom Level button.
 4. Under Miscellaneous - "Access data sources across domains" -- set to Enable instead of prompt (prompts are the warning dialogs).
 5. Under User Authentication, Logon - "Automatic logon with current user name and password" -- set to "Automatic logon with current user name and password."

Windows 7 Client

- The Webutil components do not download automatically to a Windows 7 client. This is a known issue of the Oracle Application Server team but there is no patch to push the correct DLLs. This is related to new security in Windows 7 and Vista.
- On Windows 7 client machines, DLL files required to run Webutil functions may not download to the client machine. This is a known issue caused by security features in Windows 7 and Vista operating systems. You can work around this issue by configuring Webutil to download the required DLL files into a directory that is not restricted. By default, the directory will be the user's home directory, but you can choose a specific path. This configuration change will be used for all client machines accessing the OC4J instance.

Within the webutil.cfg file, make sure the following setting is available.

```
install.syslib.location.client.0
```

The default value will be the user's home directory on the client machine. On Windows 7 client machines, this is usually "\\Users\\username", where "username" is the Windows 7 username currently logged in. You can determine what the user's home directory is by issuing the command "s" within the Java Plug-in Java Console and looking for the "user.home" setting.

Setting the "install.syslib.location.client.0" value to a relative path (not including the drive), will write to a directory relative to the user's home directory. For example, you can use "install.syslib.location.client.0=webutil", and this will add the DLL files to "\\Users\\username\\webutil".

Reference the document titled, "How To Change The Default Download Directory For Forms WebUtil Client Files" [ID 783937.1] located on <http://support.oracle.com> for instructions and additional information.

Web Services

- A conversion error occurs on Axis based web services when the web service attempts to convert date or time values. This occurs because of bugs in earlier versions of the JDBC driver. The default JDBC Driver for Oracle Application Server is 10.1.0.5.0 and this is where the error typically happens. You must use **version 10.2.0.4.0 or above**.

Java Runtime Environment 1.6.0.24 or higher

- After upgrading JRE to version 1.6.0.24 or higher, you may encounter security exceptions while viewing or printing attachments in Oracle Utilities Work and Asset Management. This error occurs because on JRE v1.6.0.24 or higher, webutils will not access UNC file path names. You can resolve the issue by updating all Document module records and Links/News that have UNC path names to reference a server file path or a URL.

Linux Client

- To ensure that mouse focus works properly on Linux client, you must modify the basewam.html file to delayTime=1000 and delayTries=5. These additional settings in the file are meant for specific environments that require further delays to allow Java and Forms to load before a Forms request is made. By default, there is minimum to no delay.
- Different desktop screen resolutions affect the Forms applet font sizes and placement of items on canvases. The recommended screen resolution on a Linux client is 1280 x 1024.
- The following features which require client-side file manipulation do not currently function on a Linux client:
 1. Viewing, Uploading, Downloading and Printing documents and attachments
 2. Using RFQ Import/Export wizard features
 3. Launching third-party applications that are not web-based applications (MS project integration, GIS non-web-based vendor integrations etc)
 4. Using Operational Data Wizard features

These features require an enhancement which will be delivered in a later release.

Report Engine

Report jobs randomly failing with error: REP-300/501.

The problem happens for reports started via forms/run_report_object or using "rwserver" with desformat PDF, destype cache or file. After the first reports job has crashed, all following jobs of any kind return with error REP-501, so the engine cannot connect to the database again until the reports server is restarted or engLife is accessed and the engine is restarted.

Please refer to Document ID: 1270315.1 on my.oracle.support.com for more information.

Report Builder

Reports Builder fails when attempting to run it from the Start menu. No error is displayed, only an MS-DOS window flashes quickly then nothing else happens.

Please refer to Document ID: 1509064.1 on my.oracle.support.com for more information.

Error When Opening PLL Forms After Installation

FRM-40735 and ORA-06508 errors raised when you exit from a Called Form with attached libraries.

Please refer to Document ID: 1170133.1 on my.oracle.support.com for more information.

Fixes and Enhancements

This section describes bug fixes and enhancements in Oracle Utilities Work and Asset Management Release 1.9.1.1 at the time of release. Please refer to the list of fixes and enhancements on the next page.

1.9.1.1 Release Notes

█ Indicates an enhancement
✓ Checked items may require configuration following installation.

Bug DB#	Module	Description	Prior Rel	Parent Bug#
Purchasing				
16955499	Invoicing, Requisition to PO wizard	Fixed the following LOV to include Vendor Location on Vendor Name column when VENDOR OPTIONS Business Rule - VENDOR NAME = VENDORLOC - Invoice's PO Number - Requisition to PO's Vendor Code	1.9.1.0.1	16803284
16588875	Invoicing	User can now filter search with Blanket Contract number.	1.9.1.0.1	16204115
16709764	Purchase Order	When copying existing Purchase Order, the current tax rates from code tables are now being used.	1.9.1.0.1	16681971
16773899	Requisition	Fixed Work Order list of value in Requisition Line Item view to include Approved Work Orders.	1.9.1.0.1	16773853
16858465	Requisition	Fixed Approval Logs being deleted when Requisition is set to Canceled status.		
12409931	Invoice	Batch job no longer creates a record in Storeroom Transaction Log when Invoice Price is different from the PO.		
16231836	Cost Adjustment	Added business rule that will turn ON or OFF the overriding of the account number for Work Order/Asset line item.		
14406759	Requisition	█ Added options to allow the user to decide whether or not to copy notes and attachments when copying a requisition. This added Copy Notes and Copy Attachments checkboxes in the Copy Requisition Wizard.		
14407195	Cost Adjustment	✓ Added UDFs to Cost Adjustment Header and Line Items.		
16588930	Purchase Order Invoice	Updated the Purchase Order > Invoice List and Invoice > Discrepancy Log to display the correct status "Pending Resolution" when the Invoice is in "Pending Resolution": status.	1.9.1.0.1	14228403
7119495	Requisition	Added Account validation to approval of a Requisition that was created using Copy Record action or a Purchase Order that was created using Split/Add to PO action.		
16562243	Invoicing	Modified form pre-insert processing to ensure the F6/F4 duplication resets the PRORATE_IND to N in SA_INVOICE when an invoice header is duplicated from either an Approved or Posted invoice.	1.9.0.4.9	16312954
17336063	Purchase Order	Fixed error encountered while trying to launch Purchase Order module.		
17549487	Request for Quotes	Fixed next item navigation error after choosing value for UDFs.		
13019835	Requisition/Purchase Order	█ Updated processing so that when a requisition or purchase order is copied using Copy Record, the system uses the most current unit price and other details from line item storeroom records rather than using possibly outdated information from the existing purchasing record.		
16949814	Warranty	Fixed error in Warranty Claim Wizard, can now successfully create Warranty Claim from wizard.		
16588930	Purchase Order Invoice	Updated the Purchase Order > Invoice List and Invoice > Discrepancy Log to display the correct status "Pending Resolution" when the Invoice is in "Pending Resolution": status.	1.9.1.0.1	14228403
16809505	Change Order	Fixed the status of Change Order line item generated from Create Change Order action in Purchase Order module. When PO item is in Canceled status, the Change Order item should also be in Canceled status. Otherwise it will be defaulted to Created status.		
17270290	Service Invoice	Corrected the select statement used at service invoice approval to create multiple service invoice account line items when the same account exists on different work order tasks on the same service invoice line item.	1.9.0.4.10	17068506

Bug DB#	Module	Description	Prior Rel	Parent Bug#
14406790	Purchase Order, Requisition, Change Order	<p>Warn user entering line items in Requisition, Change Order or Purchase Order with "Document Total exceeds Limit Amount of the Blanket Contract." when it will exceed the Blanket Contract Limit.</p> <p>Added 'Check BPO Limit', which can be set to ON or OFF in Purchasing Options Business Rule.</p>		
Maintenance				
16672542	Timesheets	When posting Timesheets, Wage Rate is now being pulled from the Timesheet record for each record if both rule keys on Labor Costing Wage Rates business rule are set to NO.	1.9.1.0.1	16672537
12805637	Work Order	Added cancellation reason when cancelling work order.		
16217746	Work Order Task	Corrected help message shown when a work order task status has been changed from Planning to Rejected.		
16955506	Work Order Benchmark Work Order	Fixed continuous scrolling in Task summary view.		
16739203	PM Master	Updated the Labor Est. vs. Actuals view to include a separate table to display all unplanned labor not on the Benchmark Task Labor Requirements detail which was charged against Work Order Tasks generated from a PM Master associated to the Benchmark.	1.9.1.0.1	16224454
6605341	Work Order Task	Changed processing so that work order tasks cannot be canceled if they have associated child records. An active work order task cannot be canceled if related pending records exist in checkout request, cost adjustment, direct charges, invoice, purchase order, requisition, or timesheet.		
17270365	Work History	Fixed error encountered in generating Custom Work Order History Report.		
16915651	Work Order Task, Work Order, Bench WO, Fleet WO, Fleet Bench WO	In the Task Material Item detail, clear Type when Stock Code is cleared.		
13068449	Permit	On Actual Qualifications view, when selecting Employee via LOV, hitting save and then proceeding to the next line to create a new record, the error "You have not saved your changes! Save or Undo before leaving." is no longer encountered.		
16757555	Work Request	Fixed Work Request attachments to be copied when creating Work Order from Work Request.		
17609580	Operational Schedule	Fixed duplicate column name error when saving a new record.		
17044471	Schedule Plan	Reflect Field localization of label on Work Planning Tool.		
17074489	Work Planning Portal	Removed Daily Scheduled Date and Weekly Scheduled Date on Results of Search.	1.9.0.4.4	13739934
17036566	Metadata / Daily Schedule Workweek Schedule Schedule Plan	Added "Work Category" and "Work Class" to the Add Task from Work Order wizards for all schedule types.	1.9.0.1.1	16828612
17044488	Work History	Modified selection screen to add Backlog and Report Codes fields. This fields together with Work Priority, Required Date, Crew and Work Description already have the ability to search in task levels.		
17044478	Work Order Task Work Order Benchmark Work Order Fleet Work Order Fleet Benchmark Work Order Work History	Added Reported By and Reported Date in the Task (Detail) view of Work Order Task, Work Order, Benchmark Work Order, Fleet Work Order, Fleet Benchmark Work Order and Work History modules to identify the person and the date when the incident was reported. Both fields are also present in the selection screen of Work Order Task. System can now search task using this filters.		
16098915	Work Order Task Closeout	Modified the closeout process so existing rows in the Work Order > Task Failure Summary are not overwritten from the Task Closeout Wizard when the Task is set to Finished status.		
16749714	Work Order Task	Added Project / Subproject to the Work Order Task module selection screen.		

Bug DB#	Module	Description	Prior Rel	Parent Bug#
Resource				
16737936	Storeroom	On Storeroom Work Demand view, Status for Checkout Request now use status from Checkout Request header.	1.9.1.0.1	16371552
16740544	Bill of Materials	Made 'View' button for documents linked to the Bill of Materials available under Drawing Documents View.		
16562497	Document Control	Fixed hanging of system when saving a created Document Control	1.9.1.0.1	15962545
17237395	Change Request	Missing error message have been inserted. Correct message are now displayed when changing Change Request status for Catalog/Storeroom type from Created to Pending Approval		
16405384	Function	Fixed error encountered when Copy Record is used in Function, with Asset setup to be system-generated and Function user-inputted.		
17045072	Asset	Fixed Asset Downtime Summary report to display all entries for downtime of the retrieved asset		
16600728	Work Order Work History	Rejected has been added to the Approval Log of the Work Order as a valid approval status.		
17044435	Operational Tolerances	Increased DATA_READING field precision to 5 digits.		
17284589	Specification Template	<p>In SELECTION screen:</p> <p>Renamed LOV SPECIFICATION_TYPE_SELECTION to SPECIFICATION_TYPE_SEL</p> <p>Renamed Record Group SPECIFICATION_TYPE to SPECIFICATION_TYPE_SEL.</p> <p>Renamed Record Group SPECIFICATION_CATEGORY_MODE to SPECIFICATION_SELECTION</p>		
16453544	Document Control	Added a checkbox for Revision Control Indicator in the Create Document wizard for the user to set the value to either a Y or N.		
17044450	Asset Operational Data	✓ Added User Defined Fields.		
17621853	Procedure	Fixed Where Used view to appear in procedure regardless of whether format is Step or Document.		
16709598	Asset, Asset Inspection	Updated asset condition scoring calculation to correctly factor weighted averaging for condition inspections by inspection category and type.	1.9.0.1.1	16673035
17317528	Regulatory Accounts	<p>Updated the unique index on the table: SA_REGULATORY_ACCOUNT_OH_COST to include the column OVERHEAD_CLASS and ALLOCATION_TYPE.</p> <p>The index should include the following columns: ("PLANT", "REGULATORY_ACCOUNT_NO", "REGULATORY_ACCOUNT_TYPE", "OVERHEAD_ACCOUNT_NO", "OVERHEAD_ACCOUNT_TYPE", "PERIOD_YEAR", "WORK_ORDER_NO", "WORK_ORDER_TASK_NO", "EXPENSE_CATEGORY", "PERIOD_MONTH", "ALLOCATION_TYPE", "OVERHEAD_CLASS")</p>	1.9.0.4.10	17317278
16900140	Asset Class, Asset Inspection	<p>Modified the Asset Class and Asset Inspection forms to increase the size of the fields INSPECTION_CRITERIA_DESC and INSPECTION_ATTRIBUTE_DESC to 400 characters.</p> <p>The column inspection_attribute_desc in the table sa_asset_class_insp_attributes is now defined as VARCHAR2(400)</p> <p>The column inspection_criteria_desc in the table sa_asset_class_insp_criteria is now defined as VARCHAR2(400)</p>	1.9.1.0.1	16709581
17706508	Change Request	Fixed hanging on Change Request Asset (Change) view.		

Bug DB#	Module	Description	Prior Rel	Parent Bug#
17485098	Asset	The error "Oracle ERROR: unable to perform query ORA-28110: policy function or package XADMIN_SYNERGEN.SDBP_APP_SECURITY has errors" is no longer encountered when opening Work History view.		
Inventory				
17375731	Multi-Step Receiving	Fixed error encountered when receiving quantity in MSR where stock code involved requires Quality Control.		
16822152	Physical Inventory	Fixed uncontrolled scrolling in the stock code item list.		
17313234	Receiving	Fixed Packing Slip not being enforced as a required field in Receiving wizard.		
17044741	Stock Checkout	Custom Reports on Custom Menu is now being filtered correctly with the Primary Keys assigned on Modules Admin Forms.		
System Administration				
16935303	Report Administration	Display an error when Select Block does not exist in Report Subsystem Location.	1.9.1.0.1	14740093
17346607	BI Publisher Integration	Updated SIA build to include all files required to support the integration to BI Publisher 11g.	1.9.0.4.9	16824794
17036517	Report Administration	<p>Fixed error encountered when generating through Reports Administration a BI Publisher 11G Report.</p> <p>Removed outdated instructions from the Customization guide and provided reference to documentation on how to convert Oracle Reports to BI Publisher.</p> <p>Please refer to the document titled: "Oracle Business Intelligence Publisher Converting Oracle Reports to Oracle Business Intelligence Publisher" available on the Oracle Technology Network (http://www.oracle.com/technetwork/middleware/bi-publisher/e28918-01-1602839.pdf) or contact support for more information.</p>	1.9.1.0.1	16312620
17207393	Report Administration	Enable generation of BI Publisher report in Excel Format by setting WEB CONFIGURATION Business Rule's REPORTS DEFAULT OUTPUT FORMAT to EXCEL.		
16311758	Business Rule	Increased the length of code table key value to 30 and column to 186 to be able to display the full texts from the Code Table as LOV values.		
16286111	Report Administration	Display full Reports Option window.		
17327970	Job Manager	<p>✓ A new database procedure, sdbp_clnup_incrct_srvinc_chrgs, has been created to allow for clean-up of any incorrectly posted Service Invoice charges to the wrong Work Order Task. An individual job manager record must be created for each Service Contract which may have the incorrect service invoice charges posted to Work Order Tasks. The format for the job manager is:</p> <pre>sdbp_clnup_incrct_srvinc_chrgs(job number, 'plant', 'service_contract_no');</pre>	1.9.0.4.11	17309803

Bug DB#	Module	Description	Prior Rel	Parent Bug#
16724775	Job Manager Business Rule Database	<ol style="list-style-type: none"> Updated SDBP_WORK_ORDER.FIXED_ASSET to remove the allocated overhead distributions from the work in progress (WIP) account when the work order is in 'Closed' status. PLANT_IN has been added to the where clause for the cursor C_RECEIVERS in the procedure SDBP_YEAR_END_OH_COST_DIST. BR: REGULATORY ACCT OVERHEAD CLASS: The LOV for USE_QUERY_KEY_VALUE3 now includes GLOBAL.PLANT and KEY_DESC desc in SQL select and where clause. Added PERIOD_MONTH as a primekey to PK_SA_REGULATORY_ACCT_OH_COST unique index in the table SA_REGULATORY_ACCT_OH_COST. 	1.9.1.0.1	16617886
17044421	Forms Administration	The table column FMEA_SYSTEM_CODE has been added to forms administration for the header block on Asset and Asset PM Control Module.		
17236660	Report Administration	Changed the title of the S_RPT071 to Work Order Forecast Report. Fixed the report to display the work order task where crew is based on PM Master's lead crew if it is not null and based on the benchmark if PM Master lead crew is null.		
16362652	Batch Stock Reorder Requisition Purchase Order	Fixed error when running batch sdbp_stock_reorder.stock_reorder due to buyer length is greater than the length of Requestor field in the PO/Requisition created. Buyer name length is truncated to 30 characters before inserting it to Requisition/PO.		
16709857	Business Rule ASSET INSPECTION DATA	<p>✓ A new business rule has been added: ASSET INSPECTION DATA. This new rule establishes a default aging factor value to be used to calculate the confidence factor found on the Asset when inspections are done if no age range is defined for the Weighting Category in the Aging Factors module. The value must be between .01 and 1.00.</p>		

System Wide				
12805691	System Wide	<ul style="list-style-type: none"> ■ Allow users to set preferences/defaults for Export to Screen to File functionality. Export Type default can now be set to either HTML, TEXT or XLS. 		
17087752, 17244079	Work Design, Purchase Order, Permit	Included views that have names other than the blocks in the Blocks LOV in the Responsibilities module to allow users flexibility in hiding more views.		
14798917	Work Request Document Control	<ul style="list-style-type: none"> ■ Increased Description for Work Request and Document Control to 300. 		
16967433	Reports / BI	<p>✓ rpt_list.fmb - Removed the contents of PRE_INSERT trigger to allow insert of blank SELECT_BLOCK_LOCATION</p> <p>saipsuin.dll - Modified the library to handle blank SELECT_BLOCK_LOCATION and report type = BI Publisher.</p> <p>A new window will open pointing to the BI Publisher web application and the report selected.</p> <p>Verify settings in the Web Configuration business rule: REPORTS CUSTOM VIRT DIRECTORY must be set with the appropriate directory URL. Example: http://[server]/reports/rwservlet</p> <p>BI 11G Host must be set with the appropriate value. Example: http://[server]/xmlpserver/</p>	1.9.1.0.1	16356901
16462554	Inbox	Fixed wrong insertion in sender and recipient's inbox and sent box when sending/forwarding search, bookmark and link. Message is now displayed in the correct folder.		
17733395	Daily Scheduling Workweek Scheduling	Fixed error encountered when launching list of values for Work Category and Work Class fields in Add Task from Work Orders action.		

Bug DB#	Module	Description	Prior Rel	Parent Bug#
16012616	Login	✓ Modified main.fmb to support Single Sign On for WebLogic. SIA settings need to be configured to fully support Single Sign On. Please refer to the configuration guide chapter titled "General System Setup" for instructions.		
16934697	Spell Check	formspell.war has been added to the installation package for V1.9.1.1	1.9.0.1.1	16813855
16524707	Internet Explorer V10.x	Microsoft Internet Explorer V10.x running in Windows y is now supported in WAM V1.9.1.1.		
Customer				
16815195	Service Request	Fixed Asset List View to display an asterisk when a Service Request is associated to an Asset.		
Barcode				
14613403	RFGen	Updated the procedure sdbp_rfgen_print to support 11g reports.		
12801311	RFGen	Added the following additional details to PO Receiving: PO quantity, net quantity received, current received, and the remaining line item to be received.		
14613394	RFGen	User is given an option to print Issue ticket after checkout/return transactions on Rugen.		
12684818	RFGen	On Receiving, Packing Slip is now being defaulted to the previously entered value.		
14621586	RFGen	Updated the procedure sdbp_rfgen_print to support direct print of reports from RFGen barcode.		
Reports				
8292697	S_RPT113	Tag Points / Sources to be Isolated is now displayed on Permit Lockout/Tagout Report.		
14407166	S_RPT206	Unit price of all items in blanket contract report are now displayed in consistent decimal format.		
Interface				
16166711	Meter interface	Use v_max_meter_dials when input is zero or NULL and removed the NOT EQUAL to zero condition when computing for rollover value. Changed format mask of all current and life to date meter reading fields to display field max length which is 99,999,999.99.		
SIA Portal				
13372373	Approval Portal	Fixed drilldown of Storeroom on Change Order, Purchase Order and Requisition, it now opens the correct record on the Storeroom module.		
16828348	Chart Administration	Fixed error when performing spell check.		
GIS Portal				
16857144	GIS - Asset Import	Removed the code which raises the application error to allow alphanumeric values to be saved in street_number_char field.		
10637278	GIS configuration	2 Attributes added to <map> element assetIDLabel and assetField. The assetField is the field name within the GIS data and the assetIDLabel is what is displayed in the viewer UI		
16562231	ESRI ArcGIS 10.2	✓ ESRI ArcGIS 10.2 is certified for use on WAM V1.9.1.1		
BI Extracts				
16562625	Business Intelligence	Filtered F_WRKORD_TK_EXT extract to include records in Finished and Closed status only.	1.9.0.4.8	16311946

Bug DB#	Module	Description	Prior	Parent
			Rel	Bug#
Scripting				
17061119	Install Shield	✓ WAM V1.9.1.1. Install Shield no longer restricts the repcache folder name during the installation process.		
13931474	Upgrade Scripting	Modified installation / upgrade scripts to not overwrite the ESRI GIS configuration files.		