

Cohesive Information Solutions

Maximo Nuclear 7.5 Product Update



September 16, 2011

Presenting today

Mike Beasley – VP Strategic Accounts

Lance Morris – Principal Consultant
Work & Asset Management

Joe Schippert – Lead Product Manager IBM Tivoli
Maximo Nuclear Solution

Webinar Schedule

Sept 16: *Maximo Nuclear 7.5 New Features*

Oct 21: *Clearances*

Nov 18: *Corrective Action*

Dec 16: *Configuration Management*

Maximo 7.5– Expanded Footprint

Asset Management	Work Management	Materials Management	Purchasing	Contract Management	Service Management
Locations • Repair Facilities Asset Asset Templates Failure Codes Linear Assets • Visual Control Condition Monitoring Meters Meter Groups	Job Plans • Revisioning Routes Service Requests Work Order Tracking • Assignment Tab • Hard/Soft Reservations • Repair Facilities Safety Quick Reporting Labor/Crafts Tools Preventive Maintenance • PM Forecasting Master PM Assignment Manager	Item Master Storerooms Inventory • Inventory Usage • LIFO/FIFO Costing • Consignment • Transfer via Shipment • Default Costing Condition Codes Stocked Tools Service Items	Request for Quotation Receiving Receiving Inspections Shipment Receiving Purchase Requisitions • Invoices • Invoice Reversals Purchase Orders • Revisioning • Receipt Tolerance Desktop Requisitions	Purchase Contracts Master Contracts Warranty Contracts Lease/Rental Contracts Labor Rate Contracts • Premium Pay Rates Payment Schedules	Service Groups SLA Management Change Management • Incidents • Problems • Changes • Releases • Solutions

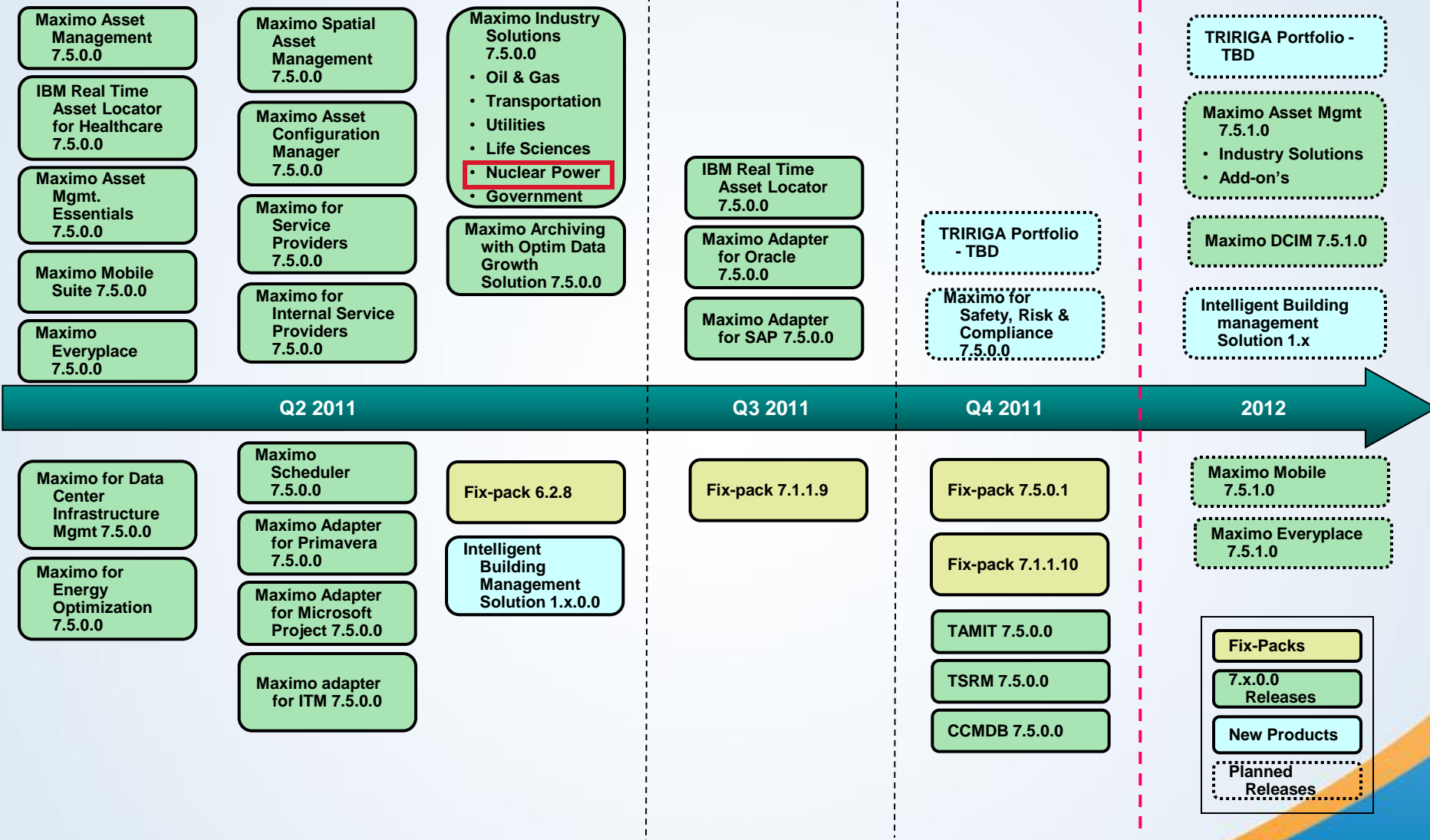
Enhanced Workflow – Event Driven, Context-based / Escalation Manager

KPIs / Reporting/ Ad-hoc Reporting / Cognos Integration

Security/Administration/Configuration – Automation Scripts, Migration Manager

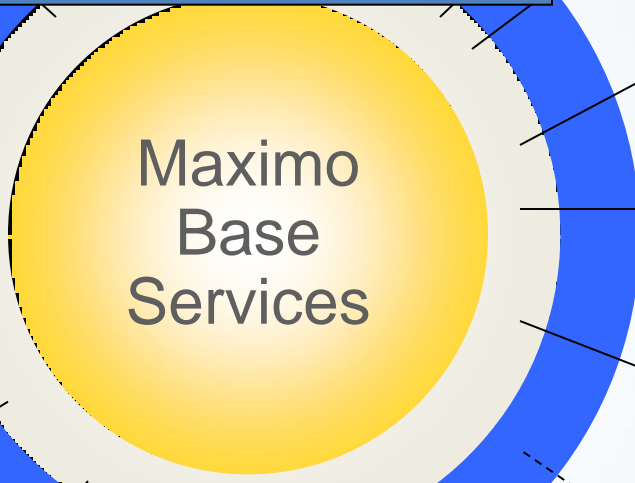
Integration/Web Services – Import & Export direct from applications

IBM's 2011 Asset Management Product Roadmap



IBM Maximo for Nuclear Power

Nuclear EAM Applications



Equipment Reliability

Foundational relationships for nuclear EAM established among Assets, Locations Work Orders, and Preventive Maintenance

Job Plan Revisioning

Enhanced control of key maintenance procedures

Lineups

Captures plant component positions and assimilates CL information

Quick Loc/Assets

Rapid creation for Ops configuration control activities; may promote later

Kiosk Applications

Clearances Kiosk; Lineups Kiosk; CL Sign On/Off; Create Condition Report

Tech Specs

Includes Tech Spec LCOs, Applicability, and Surveillance Requirements functionality

Commitment Tracking

Review / Approval and Work Management Commitments

Surveillance Testing

+ enhancements
Provides for Regulatory Frequency Scheduling and Tracking; ties to the Tech Specs and Plant Modes framework;

Procurement Engineering

Multi-Asset and Location; Retests
Technical / Quality Terms and Vendor Quas tie together Reqs, Contracts, RFQs, Companies, POs, Items, and Inventory into an integrated process

Config Change Management

Master Equipment List functionality based on controlled revisions to Assets, Locations and CIs; Change and Release apps form the engineering approval process

Permits

Prestaged strategies or ad-hoc; multiple types support plant work

Equipment Groups

FEGs and Boundary Groups

Corrective Actions

Support a graded approach; considers potential impact to nuclear safety and regulatory notifications; trending ties to all Maximo records

Clearances

+ enhancements
Robust configuration control for safe Maintenance and Testing in the operating plant

Calibrations / M&T

Tools, Assets, Data Sheets, Job Plan Versioning, WOs, PMs, Loop Cals, Tool Usage, And Mobile

Impact Plans

Pre-established Operational and Maintenance risk management; interface with PRA/decision support

SNPM Workflow / Nuclear Content

Industry standard Single Point of Entry Workflow directs requests for plant maintenance, materials, other needs; standard KPIs and Reports

Integration products complement Maximo Nuclear

Primavera Integration

Applicable to complex scheduling requirements

ERP Integration

Standard SAP and Oracle integrations available

EDM Integration

Standard FileNet integration available

Maximo 7.5 Nuclear Enhancements

- Lineup Plans and Lineups
 - Manage Operational Configuration of Plant
- Quick Locations and Quick Assets
- Kiosk Applications for Clearances and Lineups
- Clearance Enhancements
- PM Enhancements
- Corrective Action Enhancements
- Commitment Tracking Enhancements
- Nuclear Content Enhancements
- Administrative Setup Enhancements

Lineup Plans and Lineups

You use Lineup Plans and Lineups to manage the operational configuration of plant equipment.

A Lineup Plan is a template that specifies the components and component positions that are required for a particular operating procedure or maintenance activity. Lineup Plans are revision controlled and can emulate procedure revisions which is their typical controlling information source

A Lineup is created from a lineup plan and it is used to execute the plan at a particular point in time. In the context of lineups and lineup plans, the term component can refer to an asset or location.

Lineup Plan Features

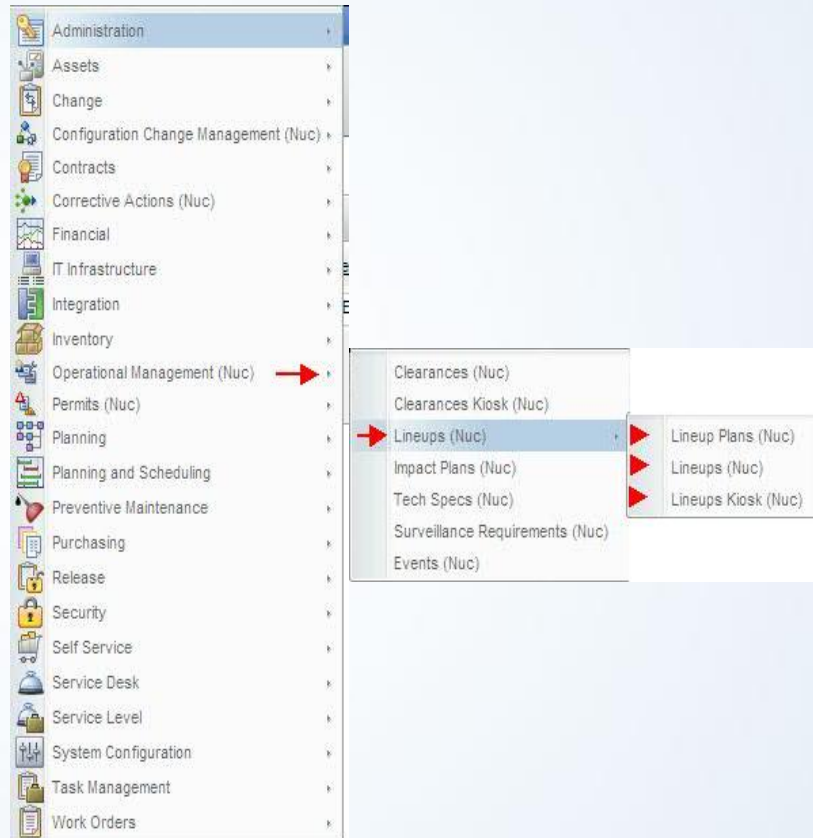
- Full Lineup Plan life cycle – Mirrors plant procedures / configuration controls and revision processes
- Lineup Planning's Revision Life cycle allows operational configuration development in parallel with plant design changes
 - A new revision can be queued then released concurrent with plant approval process
- Validations provide redundant validation of procedure development process and controls
 - Restoration Conditions, Components and Component Positions provide blocks or warnings when duplication or conflict are detected
 - Status interlocks allow conflicting lineups e.g. a temporary equipment lineups to co-exist in the system with normal lineups
- Lineup Plans hold both the approved plant configurations and operations work management approaches to establish them
 - Configuration Control data is locked down upon approval
 - Execution planning data may be adjusted any time

Lineup Features

- Full Lineup life cycle – operational work management processes to support execution of the configuration management plan
- Lineup life cycle allows multiple instances to exist in order to support integrated planning; but important controls are provided:
 - Only one lineup instance can actually be taken to the field for performance, and it must complete before another starts
 - A new lineup revision can not co-exist with an older incomplete prior revision
- Lineup Execution Groups are simple to generate and control.
- Lineup positioning events provide Locations and Assets with real time operational history updates
- Lineups can use Clearance actual positioning events
 - Optimize plant startup critical path activities > Manpower, Time & Dose Savings!

Lineup Applications

- Lineup Applications added to the Operational Management set of Applications



Lineup Plans

Lineup Plans (Nuc) Bulletins: (0) Go To Reports Start Center Profile Sign Out Help IBM

Find: Select Action [Icons]

List Lineup Plan Configuration Execution Plan Related Records Specifications Log

Lineup Plan: SOP-480V-1A >> 480 System Operations Alignment - Attachmen Site: BEDFORD Status: DRAFT

Revision: 0 Unit: UNT 1 Status Date: 4/15/11 5:06 PM

Revision Date: Source: SOP Attachments

Owner: Equipment Type: ELCT

Owner Group: Restoration Condition: LINE-UP

Equipment Group: 480VCRIT >> Critical 480V Power Notes:

Classification:

Scheduling Information

Outage Code: Duration: Lineup Modes:

Milestone Code: Mode Entry Requirement: 4A

Schedule Code:










Configuration Actions

Component Total: 0 Verification Total: 0












Lineup

Find: Select Action



List **Lineup** Configuration Execution Related Records Specifications Log

Lineup: BLDGSTOP >> Building Shutdown 	Site: BEDFORD	Status: APPR
Revision: 0 9/10/11 12:00 AM 	Unit: <input type="text"/> 	Status Date: 9/10/11 4:49 PM
Date Created: 9/10/11 4:47 PM 	Source: SOP 	<u>Attachments</u> 
Owner: <input type="text"/>	Equipment Type: <input type="text"/> 	
Owner Group: <input type="text"/>	Restoration Condition: <input type="text"/>	
Equipment Group: <input type="text"/> >> <input type="text"/> 	Notes: <input type="text"/> 	
Classification: <input type="text"/> >>		

Scheduling Information

Target Start: <input type="text"/> 	Target Finish: <input type="text"/> 	Schedule Code: <input type="text"/> 	Lineup Modes: 5 
Scheduled Start: <input type="text"/> 	Scheduled Finish: <input type="text"/> 	Outage Code: <input type="text"/> 	Mode Entry Requirement: 4D 
Actual Start: <input type="text"/> 	Actual Finish: <input type="text"/> 	Milestone Code: <input type="text"/> 	Duration: <input type="text"/>
			Remaining Duration: <input type="text"/>

Configuration Actions

Component Total: 9	Verification Total: 0	Earliest Date of Credit: <input type="text"/> 
Components Positioned by Credit: 0	Positions Verified by Credit: 0	Latest Date of Credit: <input type="text"/> 
Positioning Exceptions: 1	Verification Exceptions: 0	
Components Positioned in Lineup: 0	Positions Verified in Lineup: 0	

Lineup Plan Configuration Detail

Lineup Plans (Nuc) Bulletins: (0) Go To Reports Start Center Profile Sign Out Help

Find: Select Action # Save Undo Redo Refresh Print

List Lineup Plan Configuration Execution Plan Related Records Specifications Log

Lineup Plan: MARK1 >> 480 Volt Switch Gear Operation - Attachment Revision: 0 Revision Date: Status: DRAFT Site: BEDFORD Unit:

Lineup Components Filter 1 - 6 of 6 Download

Specify the components and component configurations that are required for this lineup. The completed configuration list is copied into any lineup records that you create from this lineup plan. [More information](#)

Lineup Sequence #	Location	Asset	Description	Required Position	IV Required?	Default Rest Position?
1	BRK431		Circuit Breaker # 431	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	BRK451		Circuit Breaker #451	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	BRK471		Circuit Breaker #471	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	BRK531		Circuit Breaker #531	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	BRK551		Circuit Breaker #551	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	BRK571		Circuit Breaker #571	RI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lineup Section: 480V Switchgear Section 1

Lineup Sequence #: 1

Location: BRK431 >> Circuit Breaker # 431 Independent Verification Required?

Asset: >>

Component Site - Unit: BEDFORD

Required Position: RI Racked In

Equipment Group: >>

Default Restoration Position?

Locality:

Locality Notes:

Position Notes: Breaker position indicator Red Zone

Select Locations Select Assets New Row

Lineup Plan Configuration Detail

The screenshot displays the 'Configuration' tab of a software application. The main window shows a table of 'Lineup Components' with the following data:

Lineup Sequence #	Location	Asset	Description	Required Position	IV Required?	Default Rest Position?	Controlled By
1	MFW-2		31 MBFP Casing Drain	CLOSED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	MFW-MOV-1				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	MFW-MOV-2				<input type="checkbox"/>	<input type="checkbox"/>	

A 'System Message' dialog box is overlaid on the table, containing the following text:

BMXAK0525W - The component that is specified in this entry is not included in any other active lineup plans. If you delete this entry, the component no longer has an active lineup definition. In addition, the component is removed from the relevant lineup groups on the current lineup plan. Do you want to continue?

The dialog box has 'OK' and 'Cancel' buttons. A red arrow points from the delete icon in the first row of the table to the dialog box.

Lineup Plan Execution Plan Groups

Lineup Plans (Nuc)

Find: Select Action

List Lineup Plan Configuration Execution Plan Related Records Specifications Log

Lineup Plan: MARK1 >> 480 Volt Switch Gear Operation - Attachment Revision: 0

Select Components

Show components from this lineup plan that do not belong to the current lineup group
 Show components from this lineup plan that do not belong to any lineup group
 Show lineup groups

Lineup Groups: Filter > 1 - 2 of 2 Download

Group #	Description	Template	Status	Status Date
1	Complete Lineup	<input checked="" type="checkbox"/>	DRAFT	4/1/11 3:12 PM
2	480V Group 1	<input type="checkbox"/>	DRAFT	4/1/11 3:10 PM

Components: Filter > 1 - 3 of 3 Download

Lineup Sequence #	Group Sequence #	Location	Asset	Equipment Group	Site	Unit
<input type="checkbox"/>	1	1	BRK431		BEDFORD	
<input type="checkbox"/>	2	2	BRK451		BEDFORD	
<input type="checkbox"/>	3	3	BRK471		BEDFORD	

OK Cancel

Lineup Groups: Filter > 1 - 3 of 3 Download

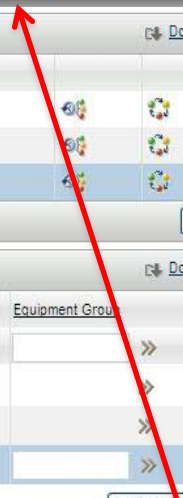
Group #	Description	Template	Status	Status Date
1	Complete Lineup	<input checked="" type="checkbox"/>	DRAFT	4/1/11 3:12 PM
2	480V Group 1	<input type="checkbox"/>	DRAFT	4/1/11 3:10 PM
3	480V Group 2	<input type="checkbox"/>	DRAFT	4/1/11 3:11 PM

New Row

Group Components: Filter > 1 - 3 of 3 Download

Lineup Sequence #	Group Sequence #	Location	Asset	Description	Required Position	Independent Verification Required	Equipment Group
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	>>
<input type="checkbox"/>	4	1	BRK531	Circuit Breaker #531	RI	<input checked="" type="checkbox"/>	>>
<input type="checkbox"/>	5	2	BRK551	Circuit Breaker #551	RI	<input checked="" type="checkbox"/>	>>
<input type="checkbox"/>	6	3	BRK571	Circuit Breaker #571	RI	<input checked="" type="checkbox"/>	>>

Select Components



Lineup Plan Related Records

Related Records for Lineup Plans and Lineups use Equipment Groups : Main Record, Configuration Components & Execution Group Components

Lineup Plans (Nuc)

Find: Select Action

List Lineup Plan Configuration Execution Plan Related Records Specifics

Lineup Plan: MARK1 >> 480 Volt Switch Gear Operation - Attachment

Revision: 0

Revision Date:

Owner:

Owner Group: PLUSOPSR Operations Reviewers

Equipment Group: VITAL480V >> Vital 480 Volt A/C Power Supplies

Classification:

List Lineup Plan Configuration Execution Plan Related Records Specifications Log

Lineup Plan: MARK1 >> 480 Volt Switch Gear Operation - Attachment Revision: 0

Lineup Components Filter 1 - 6 of 6

Specify the components and component configurations that are required for this lineup. The completed configuration is

Lineup Sequence #	Location	Asset	Description
1	BRK431		Circuit Br
2	BRK451		Circuit Br
3	BRK471		Circuit Br
4	BRK531		Circuit Br
5	BRK551		Circuit Br
6	BRK571		Circuit Br

Lineup Section: 480V Switchgear Section 2

Lineup Sequence #: 6

Location: BRK571 >> Circuit Breaker #571

Asset: >>

Component Site - Unit: BEDFORD

Required Position: RI Racked In

Equipment Group: 480VTRAIN2 >> Train 2 of Vital 480 Volt A/C Power Supplies

Default Restoration Position?

Group Components Filter 1 - 3 of 3

Lineup Sequence #	Group Sequence #	Location	Asset	Description	Required Position	Independent Verification Required	Equipment Group
1	1	BRK431		Circuit Breaker # 431	RI	<input checked="" type="checkbox"/>	480VTRAIN1 >>
2	2	BRK451		Circuit Breaker #451	RI	<input checked="" type="checkbox"/>	480VTRAIN1 >>
3	3	BRK471		Circuit Breaker #471	RI	<input checked="" type="checkbox"/>	480VTRAIN1 >>

Select Components

Lineup/Lineup Plan Specifications

List Lineup Plan Configuration Execution Plan Related Records Specifications Log

Lineup Plan: BLDSTART >> Building Startup Revision: 1 Revision Date: Status: PNDREV

Classification: OPONFIGRA >>

Class Description: Operational Configuration Risk Awareness Checklist

Specifications Filter > 1 - 3 of 3

Attribute	Description	Data Type	Alphanumeric Value	Numeric Value	Unit of Measure	Table Value
▶ RAQ1	Risk Awareness Question 1	ALN				
▶ RAQ2	Risk Awareness Question 2	ALN				
▶ RAQ3	Risk Awareness Question 3	ALN				

Lineup/Lineup Plan Log Tab

List Lineup Plan Configuration Execution Plan Specifications **Log**

Lineup Plan Revision Revision Date Status Site Unit

Lineup Plan Log Communication Log

Lineup Plan Logs Filter 1 - 1 of 1 Download

Lineup Plan	Created by	Created date	Log type	Summary
SOP-AFW-1-A	WILSON	6/22/10 12:59 PM		

Details

Lineup Plan Summary

Created by Details

Created date

Log type


Select Action








- Change Status
- Revise Lineup Plan
- View Revision and Status History
- Select Owner
- Take Ownership
- Create
 - Lineup from Lineup Plan
 - Corrective Action
 - Communication
- Modify/Delete Lineup Plan Logs
- Duplicate Lineup Plan
- Delete Lineup Plan
- Add to Bookmarks
- Attachment Library/Folders

Site



Unit



Quick Locations




Quick Locations (Nuc) Bulletins: (1) [Go To](#) [Reports](#) [Start Center](#) [Profile](#) [Sign Out](#) [Help](#) 


Find:  Select Action      


List Location Safety







Location:  Site: Attachments 





Type:  Unit:  Status:

Classification:  Plant System:  Print Type: 







Class Description:  Power Block?







Locality Notes: 







Positions     1 - 2 of 2  [Download](#) 

Position	IV Req'd - Application	IV Req'd - Restoration	Position Notes
<input type="text" value="CLOSED"/> 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> 
<input type="text" value="OPEN"/> 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> 


[New Row](#)

Restoration Conditions for Position     0 - 0 of 0  [Download](#) 

Associated Equipment Groups     0 - 0 of 0  [Download](#) 

Specifications     0 - 0 of 0  [Download](#) 

Quick Assets

Quick Assets (Nuc) Bulletins: (1) [Go To](#) [Reports](#) [Start Center](#) [Profile](#) [Sign Out](#) [Help](#) 

Find: Select Action

List **Asset** Safety

Asset: Site: **Attachments**

Classification: Type: Status:

Class Description: Print Type:

Locality Notes:

Positions 1 - 2 of 2

Position	IV Req'd - Application	IV Req'd - Restoration	Position Notes
<input type="button" value="STBY"/> <input type="button" value="Search"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="button" value="Info"/>
<input type="button" value="TAGREM"/> <input type="button" value="Search"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="button" value="Info"/>

Restoration Conditions for Position 0 - 0 of 0

Specifications 0 - 0 of 0

Attribute	Description	Data Type	Alphanumeric Value	Numeric Value	Unit of Measure	Table Value
...No rows to display...						

Clearances Kiosk Application

–Provide easy access to all tags needing operator positioning or verification in the plant in a simple, dedicated app (Also suitable for implementing on a mobile device)

Clearances Kiosk (Nuc)

Bulletins: (0) Go To List Reports Start Center Profile Sign Out Help

Select Action

User ID * wilson Password * **Show Records** **Clear User**

List **Tag Data**

Clearance Pos conflict test Site Active?
Location Unit Revision
Asset Plant System Status
Type

Apply Tags **Verify Applied Tags** **Restore Tags** **Verify Restored Tags**

To add or remove applier details for a tag, select or clear the check box for the relevant table row. For accountability, when you remove applier details, your user name is entered in the Comment field. [More information](#)

Tags Filter 1 - 2 of 2 **Download** ?

<input type="checkbox"/>	App Sequence #	Tag ID	Location	Asset	App Position	Tag Status	Applied By	IV By
<input type="checkbox"/>		1008	TESTL14		OPEN	DRAFT	~NULL~	
<input type="checkbox"/>		1007	TESTL12		CLOSED	DRAFT		

Default Data for Remaining Tags

You can apply the default data to the tags on display that do not have applier details.

Applied By
Date
Comment

Apply Default Data

Lineups Kiosk Application

–Provide easy access to all lineups needing operator positioning or verification in a simple, dedicated app
(Also suitable for implementing on a mobile device)

Select Action

* User Name: * Password:

List Execution

Lineup: Building Shutdown Revision: Revision Date: Source: Site: Unit:

Position Components Verify Component Positions

To add or remove positioning details for a component, select or clear the check box for the relevant table row. For accountability, when you remove positioning details, your user name is entered in the Comment field.

Components 1 - 9 of 9

<input type="checkbox"/>		Group #	Group Seq #	Location	Asset	Required Position	Positioned By	Verified By
<input type="checkbox"/>							--NULL--	
<input type="checkbox"/>	<input type="checkbox"/>	999		CSBRK531		LO		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK571		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK431		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK451		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		CSBRK571		LO		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK551		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK531		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		BRK471		OPEN		
<input type="checkbox"/>	<input type="checkbox"/>	999		CSBRK551		LO		

Default Data for Remaining Components

To apply the default data to components that are listed in the table but do not yet have positioning details, click Apply Default Data.

Positioned By:

Date:

Comment:

Clearance Enhancements

- Add an option for associating multiple clearances to a work order or task
- Increased flexibility in resolving conflicts
 - Conflict Check can be run automatically prior to approval for tag Application or Restoration
 - Ability to accept potential conflicts as applicable, on a case-by-case basis: *SOFT CONFLICTS*
 - Maximo always prevents actual conflicts; a tag can only be in a single position: *HARD CONFLICTS*
 - Adds notification of this condition in the Tagging Orders report
- Added support for Classifications and Attributes to Clearances
- Add capability to move a group of WOs from one Clearance to another

Clearance Enhancements

Multiple Clearances to a Work Order

Work Order Tracking (Nuc) - Mozilla Firefox: IBM Edition

http://creedence.br.ibm.com:7001/maximo/ui/?event=loadapp&value=pluswotr&sessionid=1

Work Order Tracking (Nuc)

Find: [] Select Action []

List Work Order Plans Clearance Related Records Actuals Safety Plan Impact Plans Log Failure Reporting Program Data Specifications

Work Order: 1155 Internal Cleaning - Condensate Polisher C Site: BEDFORD Status: WAPPR
 Parent WO: [] Unit: UNIT 2 Plant System: FEED

Selected Clearance: 1002 Condensate Polishers
 Selected Clearance's Revision: 0

Clearances: Filter 1 - 2 of 2

Clearance	Revision	Description	Status	Pending Craft Approval	Pending Accept Revision	Blocked	Released
1003	0	Condensate Pump	READY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1002	0	Condensate Polishers	ACTIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Details

Clearance: 1002 Condensate Polishers Pending Craft Approval? Blocked?
 Revision: 0 Pending Accept Revision? Released?
 Status: ACTIVE

Associated Tags: Filter 1 - 4 of 4

Tag ID	Location	Asset	App Position	Tag Status	Tag Type
1002	CNM-V100		CLOSED	APPLIED	DANGER
1003	CNM-V101		CLOSED	APPLIED	DANGER
1004	CNM-V102		CLOSED	APPLIED	DANGER
1005	CNM-V103		CLOSED	APPLIED	DANGER

Clearance Sign On/Off: Filter 1 - 1 of 1

Sign On/Off	Date	Signed On	Signed Off	Work Complete
WILSON	12/13/10 11:44 AM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Done

cohesive information Solutions Inc.

Clearance Enhancements

Classifications and Attributes Added

Clearances (Nuc)

Bulletins: (0) Go To Reports Start Center Profile Sign Out Help

Find: Select Action

List Clearance Related Records Application Restoration Sign On/Off Operational Impacts Log Specifications

Clearance: 1004 Multistage pos conflict test Site: BEDFORD Revision: 0
 Location: TESTL14 Test Location 14 Unit: UNIT 2 Active?
 Asset: Plant System: RCIC Status: DRAFT Type: WORKING
 Classification: CHECKLIST \ CLRQTS
 Class Description: Clearance Requirements

Specifications Filter 1 - 10 of 15 Download

Attribute	Description	Data Type	Alphanumeric Value	Numeric Value	Unit of Measure	Table Value
ELRAK	Breaker Racked Out (Y/N)?	ALN	YES			
ELREM	Breaker removed (Y/N)?	ALN	NO			
ELOFF	Breaker off (Y/N)?	ALN	YES			
ELHTR	Motor heaters (Y/N)?	ALN	NO			
ELLOGIC	Logic power removed (Y/N)?	ALN	YES			
MEFLUID	Fluid system(Y/N)?	ALN	NO			
MEPNEU	Pneumatic system (Y/N)?	ALN	NO			
MEISO	Mechanical system isolated (Y/N)?	ALN	NO			
MEDEP	Mechanical system depressurized (Y/N)?	ALN	NO			
MEPMP	Pump secured (Y/N)?	ALN	NO			

Details

Attribute: ELRAK Breaker Racked Out (Y/N)?
 Data Type: ALN
 Unit of Measure:
 Section:

Alphanumeric Value: YES
 Numeric Value:
 Table Value:
 Inherited from:
 Apply Down Hierarchy?: N

[New Row](#)

Done

Preventive Maintenance Enhancements

Clearance Generation Options

Do Not Generate Working Clearance
 Generate Working Clearances for only this PM's Work Orders
 Group Work Orders for Identified PMs onto Working Clearances

PM Identification Options

Same Equipment Group?
Same Schedule Code?
Same Milestone Code?
Same Outage Code?

Work Order PM Due Date Tolerance Lead (Days) *
Work Order PM Due Date Tolerance Lag (Days) *

Additional Identification Options

Test Identification Options

Test Current PM

OK Cancel

Allows criteria to be developed for sharing of clearances can be set on a PM specific basis

Preventive Maintenance Enhancements

- **Calculate and display Estimated Regulatory Dates**

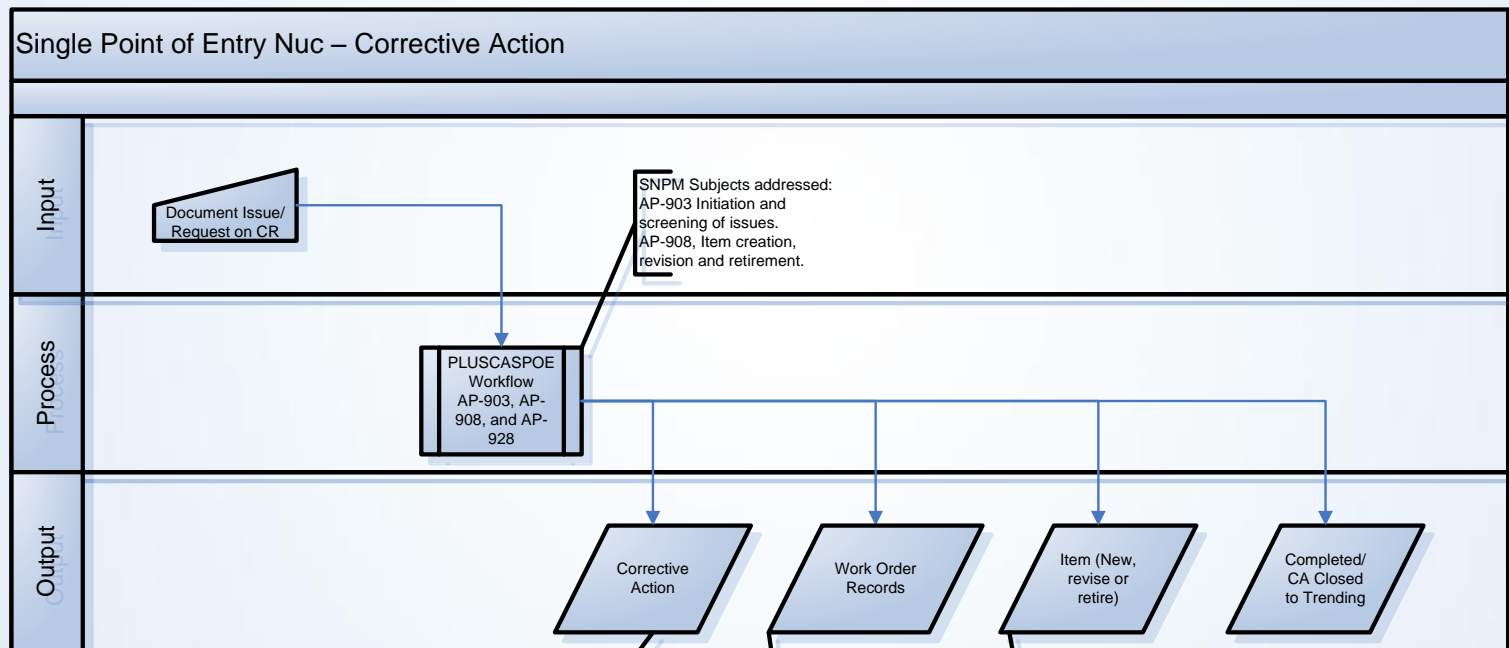
- The Estimated Dates are determined based on the Regulatory Frequency and Grace for the PM, and keyed to best-available predecessor WO information: Actual Dates are the best, followed by Scheduled Dates adjusted by the plant, then Target Dates determined during WOGEN

Corrective Actions Enhancements

- Added ability to apply multiple templates to a given Corrective Action as needed
- Added support for Classifications and Attributes to Corrective Actions
 - Trending already supporting multiple classifications and attribute sets for trending, now the CA itself can have a classification and custom set of attributes based on that classification
- Added support for the creation of Corrective Actions directly from Clearances, Lineups and Lineup Plans

Nuclear Content Enhancements

- A collection of individual workflows combine to offer a complete Single Point of Entry model for the identification of all plant work based on the Corrective Action



SNPM Subjects addressed:
 AP-903 Initiation and screening of issues.
 AP-908, Item creation, revision and retirement.

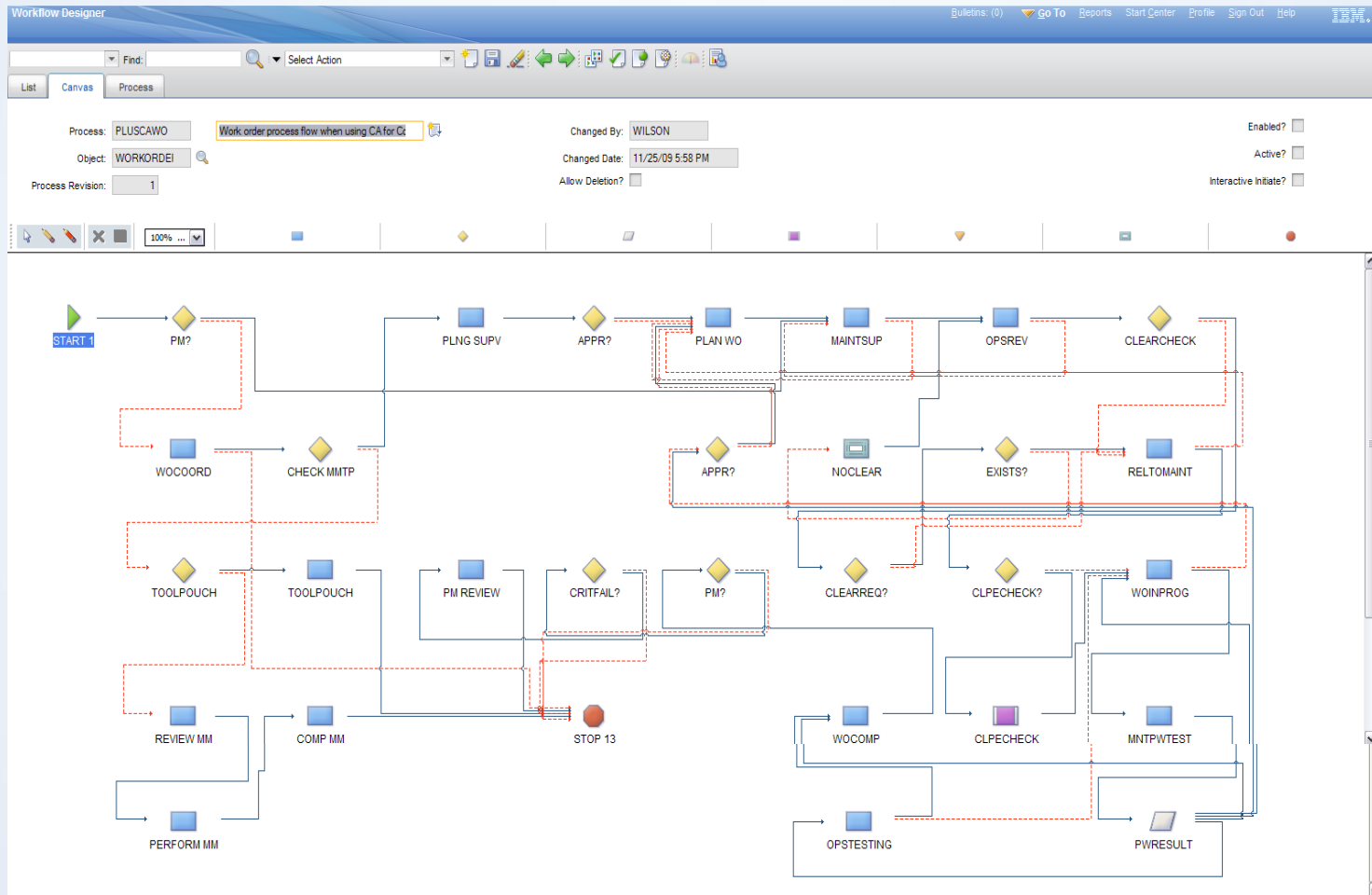
SNPM subject addressed:
 Plant Equipment AP-913 Corrective Action process
 Any CR categorized as affecting the Plant, Action Type = 'PLNT', will have a Service Request record created for review by the equipment owner.

SNPM Subjects addressed:
 AP-928 Work Management process and AP-913 Continuing Performance Improvement

SNPM Subject Addressed:
 AP-908 Materials and Services support process, new item review and approval.

Nuclear Content Enhancements

Work Order Workflow based on AP-928



Administrative Setup Enhancements

Almost all of the system setup options that define how things such as clearances, lineups, etc behave are now defined at the site level allowing more flexibility for fleet operations

The screenshot shows a 'Clearance Options' dialog box. At the top, there is a table with columns 'Site' and 'Description'. Below the table is a 'Clearance Options' section with several radio button options. The 'Tag Share' section is highlighted with a red box.

Site	Description
DENVER	DENVER, CO Site of Eaglena Inc. North America
TEXAS	SAN ANTONIO TEXAS SITE OF EAGLE NA
LAREDO	MEXICO SITE OF EAGLE NA
FLEET	Corporate Fleet Management of Eagle, Inc.
NASHUA	Nashua Site of Eagle Inc. North America

Clearance Options

Tag Share

- Automatic Share Durint SRO Approval
- Manual Share During SRO Approval
- On Demand Share

Conflict Check Before Approval

- Yes
- No

Tags Added to Work Order Automatically

- All
- None

Unique Tag Sequence Numbers

- Yes
- No

Tag Independent Verification Requirements Editable on CL

- Yes
- No

Accept Clearance Revision Required for All Clearances

- Yes
- No

OK Cancel

Administrative Setup Enhancements

Impact Plan Status at Generation

Impact Plan Options

Sites Filter > 1 - 5 of 8 Download

Site	Description
DENVER	DENVER, CO Site of Eaglena Inc. North America
TEXAS	SAN ANTONIO TEXAS SITE OF EAGLE NA
LAREDO	MEXICO SITE OF EAGLE NA
FLEET	Corporate Fleet Management of Eagle, Inc.
NASHUA	Nashua Site of Eagle Inc. North America

Settings

During the PM work order generation process, approved template impact plans are used to create working impact plans. Specify whether you want generated working impact plans to have a status of Draft or Approved (APPR).

Status of Generated Working Impact Plans:

Draft
 Approved

OK Cancel



Questions ?

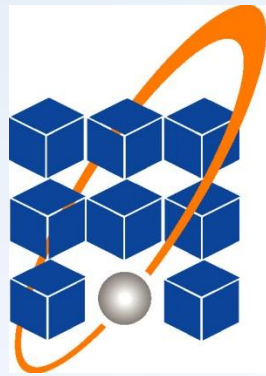
Webinar Schedule

Sept 16: *Maximo Nuclear 7.5 New Features*

Oct 21: *Clearances*

Nov 18: *Corrective Action*

Dec 16: *Configuration Management*



**Cohesive
Information
Solutions**

For More Information Visit:
www.cohesivesolutions.com

or

Mike Beasley

678-601-5478

mbeasley@cohesivesolutions.com