

# **South African Weather Service**

SAW Technical Assets Management Training Manual Fiix Implementation



# **Document Review and Distribution**

# **Document location**

# **Revision history**

Version	Author	Date	Revision	Email address
1.0	Sipho Banda	29/07/2019	Final	

# **Document review**

This document is deemed official only if the reviewers have signed below

Reviewer Name	Signature	Role	Date

# **Document distribution**

Version	Name	Date	Email Address



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# 1 INTRODUCTION

#### 1.1 Document Purpose

The purpose of this training document is to provide steps on how to enter/maintain Assets and process transactions on the NetSuite system.

#### 1.2 Scope

The focus of the training will be on the below functions in NetSuite:

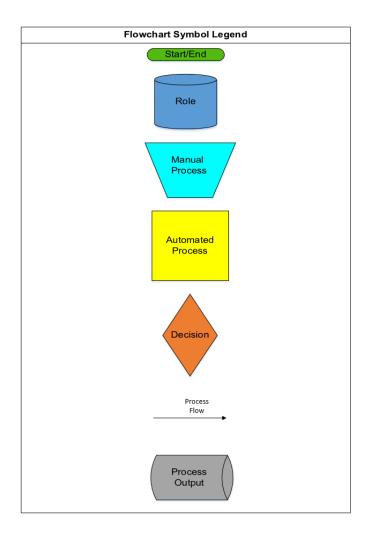
- Asset Records
- Work Requests
- Work Orders
- Parts and Labor Details
- Purchase Orders
- Preventive Maintenance Schedules
- Meter Readings
- Reports

## 1.3 **Process flows**

Flowchart Legends

The following are the flowchart symbol legends:

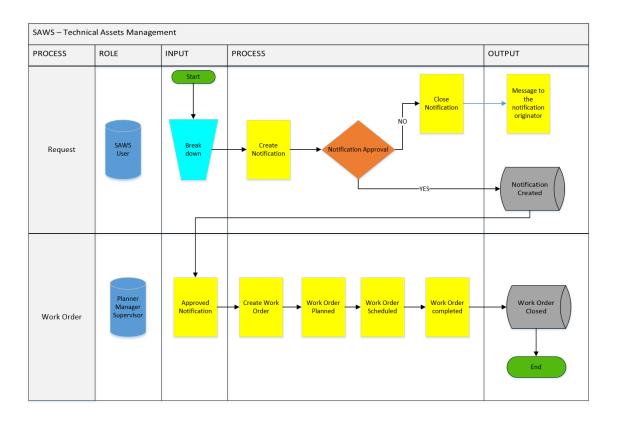




**Technical Assets Management Process** 

The following figure shows the Technical Assets Management Process Flow:







# 2 Technical Asset Management

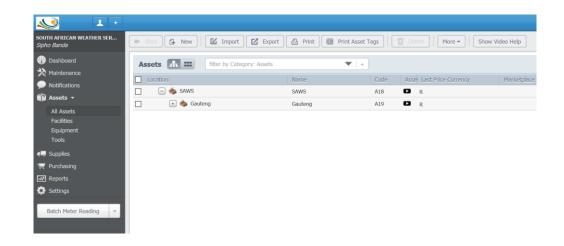
## 2.1 Asset Master Records

#### 2.1.1 Set Up Buildings and Facilities

The asset master is a repository of the asset that you own or are responsible for maintaining. You can create and track the current and historical information for each piece of equipment in the asset master.

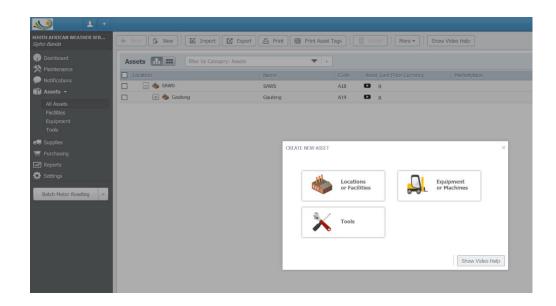
To set up building and facilities:

• Go to Assets > New.





• Select the type of asset to create. Select Locations or Facilities.



- Select As a new location, and enter the address information below:
  - Asset Name e.g. Durban
  - Asset Description e.g. Durban South African Weather Service



## 2.1.2 Creating an Equipment/Component Relationship Record

Equipment/component are defined in the equipment master record and historically tracked when obsolete relationships are ended and new relationships are created. They can be viewed in multiple levels of component relationships for a parent.

• The This Equipment is part of field will be used to link the Equipment to the parent.

Equipment: SAWS	Weathe	r Station Child	(A9)								
	SAWS	Weather Statio	n Child	× 🕀 Find	l Item 🛛 📆 L	ist	< o	nline			
A9 - SAWS-Weather Station Child Conine Set Offline						$\langle \rangle$		ļ			
SAWS Location1 SAWS-Weather Station	Code A9			Category Equipment		v					
							-				
General Parts/B		Metering/Events	Personnel	Warranties	Businesses	Purchasing	Files	Custom	Financials	Log	
Location Of Asset											
	rt of:	SAWS-Weather Stat	ion (A4)	•							
This Equipment is pa	ated at:			•	Aisle	Row	В	in			
<ul> <li>This Equipment is pa</li> <li>This Equipment is loc</li> </ul>			GOLF ES	STATE							
	E	HIGHVELD TECHNO PAR			RENE	data ©2019 AfriGI	S (Pty) Ltd, Googl	Ren [] e Terms of U	se		

#### 2.1.3 Mapping Equipment Category Codes

When you define a business unit, you can specify category codes. If these codes, used for the business unit, are also associated with the asset, then you can map the business unit code to the equipment code. Mapped category codes are unavailable for entry. Values must come from the mapping; they cannot be manually entered. The Category field can be used to define the type of an equipment. The business can add more category fields by creating a new custom fields. For example CatCode1

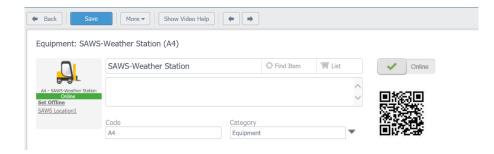


## • Category (Asset Class)

Location	Equipment
Facilities	Surface Observation
	Remote Sensing
	GAW
	Marine
	Climate
	Research

# • Asset Type

Туре
LDN - Remote Sensing
RADAR - Remote Sensing
GAW
Marine





## 2.2 Corrective Maintenance Work Order

#### 2.2.1 Work Requests

Maintenance notification will be created by submitting a work request. The work request can be assigned to a user or group. A notification will be emailed to the user/group.

A work request will include:

- Asset Number
- Description
- Maintenance Type
- Priority
- Contact information a required field

#### SUBMIT WORK REQUEST

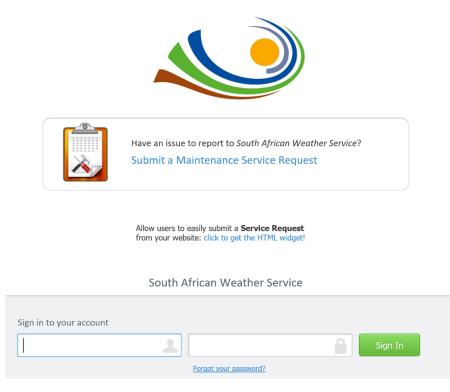
Work Order Code 12	Work Order Status Requested
Track Ticket For User	
Sipho Banda	$\mathbf{v}$
Assign Ticket to User/Group	
	•
Description	
Breakdown	~
	~
Asset	Maintenance Type
Asset SAWS-Weather Station (A4)	Maintenance Type
Asset SAWS-Weather Station (A4) Priority	

 $\times$ 



#### 2.2.2 Guest Work Request

• The guest requestor portal is available at the login screen once the feature is been enabled.





• To enable the guest requestor feature, start by clicking Settings, CMMS Settings and Work Requests.

Save	I II	mport	Show Vide	o Help						🗳 Prin
Cmms Se	ttings									
							_			
System	Asset Ca	tegories	Sites	Mair	tenance And Work Order	Work Requests	Purchasing	Lookup Tables	Dashboard Permissions	
Rotating A	ssets 1	Inventory A	BC Classific	ation	Business Tracking	*				
Default Wo Requested	rk Request	Status								~
Requested			•							
Standard In	put Require	ments								
<ul> <li>Show m</li> <li>Show p</li> <li>Show sa</li> <li>Show ta</li> <li>This fi</li> <li>Add Rea</li> <li>This da</li> <li>Show as</li> <li>This fi</li> </ul>	set input is naintenance riority uggested tin ack for user eld does no questor to N oes not atta ssign ticket eld does no	type ne r field t show up t lotifications ach externa to user/gro t show up t	for externa s on Work Il users (Gi pup for externa	Reques uest)	t					
Guest Main	tenance Ser	vice Reques	st							
	ork Reques	ts are enab	oled and av		for public users on the log vice request form (2)	in page (2)				

• Select Guest Work Requests are enabled and available for public users on the login page, and click Save.



Save	I Im	nport	Show Vide	o Help						🖨 Print
Cmms Se	ttings									
System	Asset Cate	egories	Sites	Main	Itenance And Work Order	Work Requests	Purchasing	Lookup Tables	Dashboard Permissions	
Rotating A	ssets Ir	nventory Al	BC Classific	ation	Business Tracking	Ŧ				
Default Wo Requested	rk Request S	Status	•							^
Standard In	put Requiren	ments								
<ul> <li>Show m</li> <li>Show pi</li> <li>Show si</li> <li>Show tr</li> <li>This fi</li> <li>Add Rec</li> <li>This d</li> <li>Show as</li> </ul>	set input is a aintenance t	type field show up f otifications ch externa to user/gro	for externa s on Work il users (Gu pup	Request Jest)						
Guest Maint	enance Servi	ice Reques	st							
🖲 Guest W		s are enab	oled and av		for public users on the log vice request form (2)	in page ( <u>?</u> )				~

• The default work order status of a work request can be changed by selecting the Default Work Request Status dropdown menu, and selecting a work order status. Click Save to complete.

The default status will be requested.

Save	🖬 Import	Show Vide	eo Help						🖨 Pri
Cmms Se	ettings								
System	Asset Categori	es Sites	Mair	itenance And Work Order	Work Requests	Purchasing	Lookup Tables	Dashboard Permissions	
Rotating	Assets Invent	ory ABC Classifi	cation	Business Tracking	*				
Default We	ork Request Statu	T							,
Standard I	nput Requirements								
<ul> <li>Show r</li> <li>Show r</li> <li>Show r</li> <li>Show t</li> <li>Show t</li> </ul>	sset input is a requiration naintenance type	/ up for extern tions on Work	Reques						
This of Show a	does not attach ex assign ticket to use field does not show	r/group		(Guest)					
This Show a This f	assign ticket to use	r/group / up for extern		(Guest)					
This of Show a This f Guest Mair	assign ticket to use field does not show ntenance Service R fork Requests are dia	r/group / up for extern equest abled	al users	(Guest) for public users on the logi	in page (2)				

• The work requests will be assigned to the Planner. Oliver to provide the planner's detail.



• Use this section to choose which input fields are available on the Guest Request Form. The top four options represent the standard fields that are available for both the guest work request form, and the standard work request form. The following fields can be enabled for guests:

Asset input. This field can be made mandatory. Maintenance type Priority Suggested time

Save	Save Show Video Help												
Cmms Settings													
System	System Asset Categories Sites Maintenance And Work Order Work Requests Purchasing												
Rotating A	issets Inve	entory A	BC Classific	ation	Business Tracking		•						
Default Wo Requested	rk Request Sta	atus	•										
Standard Ir	nput Requireme	ents											
<ul> <li>Show n</li> <li>Show p</li> <li>Show s</li> <li>Show to This fi</li> <li>Add Read</li> <li>This d</li> <li>Show a</li> </ul>	set input is a re naintenance typ	eld how up ifications externa user/gro	for externa s on Work I Il users (Gu pup	Request Iest)									
Guest Main	tenance Service	e Reques	st										
• Guest W	<ul> <li>Guest Work Requests are disabled</li> <li>Guest Work Requests are enabled and available for public users on the login page (2)</li> <li>Enable quick link routing to popup work service request form (2)</li> </ul>												



Back     Save	Create Scher	duled Maintena	nce More 🕶	Show Video Help				🖨 Pr	rint 🗘 🗣
Work Order Administra	ation: WO 12						•	You have unsav	ed items
		Vork Order Sta Assigned	atus	Asset SAWS-Weat	her Station (A4)	•			^
A4 - SAWS-Weather Station Online Set Offling SAWS Location1		laintenance Ty Corrective	ype	▼ Project		•			
Add another asset		riority Medium		Suggested (	Completion Date	31			~
General Completion	Labor Tasks	Parts	Meter Readings	Purchase Order	Misc Costs Page	Notifications	Files	Work Log	
Custom Requestor: <u>Sipho Banda</u> Summary of Issue Breakdown Work Instructions	Email: <u>sipho.banda@</u>	Deoh.com Ph	one: 0718769527 Assigned	d To User	•	$\hat{}$			^
			Estimate	ed Labor hours red By User	·				>

• To make guest users contact information a required field, select Show contact information inputs, Contact Information is required, and click Save. To send an email to the guest users email inbox when the work order is closed, select Send email when work request is completed and click Save.

Cmms Se	ttings							You have unst	aved items
China Se	aungs								
System	Asset Categories	Sites	Main	tenance And Work Order	Work Requests	Purchasing	Lookup Tables	Dashboard Permissions	
Rotating /	Assets Inventor	ABC Classifi	ation	Business Tracking	~				
This f Add Re This c Show a	rack for user field ield does not show u questor to Notificati loes not attach exte issign ticket to user/ ield does not show u	ons on Work mal users (G group	Request uest)						
Guest Main	tenance Service Req	uest							
• Guest V		nabled and a		for public users on the le vice request form (2)	ogin page (?)				
Contact Inf	ormation Inputs Rec	uirements							
● Show co	now contact informa ontact information ir ontact Information i end email when wor	puts required	complete	ed					< >
Security									
Enable (	captcha on guest ree	luests							

• When the Show contact information inputs, Contact Information is required option is selected, then the work request form cannot be submitted without completing the contact information inputs.



BMIT MAINTENANCE SERVICE REQUEST		
Requester Full Name	]	
Requester Phone Number	]	
Requester Email	]	
Work Order Code 27 Description	Work Order Status Requested	
		^
		>
Asset	Maintenance Type	-
Priority	Suggested time (hours)	
Please enter the captcha that you see Get new captcha	ffhk2	
	OK	w Video Help

 The CAPTCHA is a security code that will prevent robots and automated machines filling your CMMS with Spam. This can be enabled by selecting Enable captcha on guest requests, and clicking Save. Enabling this setting presents all guest users with the CAPTCHA on the guest request form.



- 2.2.3 Work Request Approvals
  - A work request will be approved by converting the request to a work order. The status will be updated to assigned and a notification will be sent to a requester.
  - A work request will be rejected by changing the work request status to close and a notification will be sent to a requester.

#### 2.2.4 Creating Work Orders

Use work orders to manage the work flow of the maintenance tasks and projects. You can manage all of the aspects of a maintenance task or project.

Work orders will be created by

- Adding a new work order in the work orders application.
- Converting a work request to a work order.
- Using preventative maintenance schedules.

A work order will include the following fields,

- Work Order Status This describes the stage the work order in its workflow.
- Asset This is where you choose the asset for the work order.
- Maintenance Type Describes the type of work you are carrying out i.e. electrical, inspection, upgrade etc.
- Priority This is where you will prioritize the importance of your work, i.e. high, low etc.
- Suggested Completion Date Set a date at which you expect the work to be completed by.
- Summary of Issue This field allows you to describe the issue.
- Work Instructions This field will show any labor tasks associated with the work order.
- Assigned to User You can use this field to assign the work order to an individual user or a user group.
- Estimated Labor This allows you to give an estimate of how long you expect the work order to complete.
- Completed by User This Field will only be filled when the work order is completed. It will record who carried out the work.
- Actual Labor This field will contain the total amount of time spent on the work order.



- Date Completed This is where you will enter the date at which the work order was completed.
- Charge Department to be renamed to Cost Center
- Account Number field.

Below is a standard work order print. The business to provide pictures for equipment.

		<u></u>	
	Code 5	<i>Work Order Status</i> Open	Asset SAWS-Weather Station (A4)
A4 - SAWS-Weather Station Online SAWS Location1		<i>Maintenance Type</i> Corrective	Project
		<i>Priority</i> Medium	Suggested Completion Date Apr 02, 2019 07:42:00 PM
General			
SAWS-Weather Station (A4)		Online	
SAWS Location1 (A5)			
Summary of Issue Breakdown			
<i>Work Instructions</i> Breakdown		Assigned To User Sipho Banda Estimated Labor 1.00 hours	
		Completed By User	



*Work Instructions* Breakdown Assigned To User Sipho Banda Estimated Labor 1.00 hours Completed By User

Actual Labor hours Date Completed

31

#### Completion

Cost Tracking

Account

Charge Department

**Completion Notes** 

**Completion Notes** 

Problem (briefly outline the problem, if any)

Root cause (short description of the cause of issue, if any)

Solution (short description of the solution, if any)

Labor Tasks								
Description		Asset	Assigned To	Hrs H EstimateSp	lrs ent Result			
Breakdown		SAWS-Weather Station (A4)	Sipho Banda	1.00				
Parts								
Part/supply		For The Asset		ested ntity Act	ual Quantity	Used		
Part1 (A6) at SAWS Location	1	SAWS-Weather Station (A4)		1.000		0.000		
Meter Readings								
Most recent readings, I	by unit:							
For The Asset	Last Reading	Date Submitted	Reading A This I					
Purchase Order								
Purchase Order								
Requested Item		Description	Req Qty	Purchas Order	e Supplier	Status	Need By	Qty Received Unit Price
Misc Costs Page								
Type	Description	Est Est Unit Quantity Cost	Est Total Cost O			ual Total Cost		



Technician						
Sipho Banda			$\checkmark$			
iles						
Name			File Type Size	Previe	W	
Nork Log						
User	Hours Taken	Inventory Cost	Completion Notes		Log Date	
Sipho Banda			Work order created.		Apr 02, 2019 07:42:43 PM	
Sipho Banda			Work order updated.		Apr 02, 2019 07:45:02 PM	
			Total			
	0.00	0.00				
Custom						
Sign Off						
Technician Sig	gnoff:					
	gnoff:					
Supervisor Sig						

Change Technician Signoff to Assigned User Signoff

2.2.5 Work Orders Types

The work order types are listed on the table below and can be added in the system using the Maintenance Types.

Planned Maintenance Types	Corrective Maintenance Types	Refurbishment /Improvement Work Order
Preventive Work	Breakdown Work	Refurbishment
Order	Order	Work Order
Predictive Work Order	Emergency Work Order	Project Work Order
	Standby Work Order	General Work
		Order



# **Cmms Settings**

System	Asse	t Categories	Sites	Maint	tenance
Rotating A	ssets	Inventory A	BC Classific	ation	Busin
<b>&lt;</b>				No	> records
Mantenance	e Types				
Other			d36e87		~
Breakdown	Work Ore	der	FFFFFF		
Refurbishme	ent Work	Order	FFFFFF		
Emergency	Work Ore	der	FFFFFF		
Project Wor	k Order		FFFFFF		$\checkmark$
G-				14 r	ecords.

#### 2.2.6 Work Orders Statuses

The status of a work order indicates its position in the processing cycle. It can also determine the actions that can be performed on a work order. A work order may progress through several statuses throughout its life cycle. Examples of default work order status types include draft, open, on hold, and closed. The work order statuses are

- Parts requested Manual update by the planner
- Waiting for parts Manual update by the planner
- Parts Issued Manual update by the Storeman
- Resource requested Manual update by the planner



- Create Requisition Manual update by the planner
- WO created Manual update by the planner
- WO Assigned Manual update by the supervisor
- PO Processed System update after order approved and sent to supplier
- WO Closed Manual update by the planner
- WO cancelled Manual update by the relevant manager
- WO completed Manual update by relevant manager
- WO in progress Manual update by the planner
- WO waiting information Manual update by the planner
- Sub WO created Manual update by the planner
- PM Rescheduled Manual update by the Senior Manager.

The work order status will be added using the work order statuses.

**Cmms Settings** 

System	Asse	t Categories	Sites	Main	tenance
Rotating A	ssets	Inventory A	BC Classific	ation	Busin
Corrective			74bc50		
Safety			FF9900		$\checkmark$
			- CC - O		>
G				14 ו	records.
Work Order	Status	es			
Draft				Draft	
Assigned				Active	^
Open				Active	
Work In Pro	gress			Active	
Closed, Con	npleted			Closed	
<					>
6				11 ו	records.
Reasons To	Set As	set Offline			



SAWS requires a Work Order Sub Status field to allow multiple status.

• We will create a Work Order Sub Status custom field. Multiple status will be entered as text as per below.

Back Back	Save 💽		eduled Mainten	ance More -	Show Video Help	+ +				
	Code 5		Nork Order S Open	tatus	Asset SAWS-Weat	ther Station (A4)	•			
A4 - SAWS-Wes Onlin Set Offline SAWS Location	· 回版		Maintenance Breakdown W		Project		Ŧ			
Add anot	her asset		Priority Medium			Completion Date 9 07:42:00 PM	31			
General	Completion L	abor Tasks	Parts	Meter Readings	Purchase Order	Misc Costs Page	Notifications	Files	Work Log	Custom
General Work Order Open Assigned		abor Tasks	Parts	Meter Readings	Purchase Order	Misc Costs Page	Notifications	Files	Work Log	Custom

Change Work Order Default Status:

To change the default work order status, click Settings, Cmms Settings, Maintenance and Work Order, select a status from the Default Work Order Status dropdown menu, and click Save. The Default Work Order Status is requested.

Save	🗹 Import	Show Video H	lelp							🖨 Prin
Cmms Se	ttinas							() I	rou have unsa	ved items
System	Asset Categories	Sites	Maintenance Ar	nd Work Order	Work Requests	Purchasing	Lookup Tables	Dashboard P	Permissions	
Rotating A	Assets Inventory	ABC Classificat	on Busine	s Tracking						
Work Orde	r Status									
Default Wo Requested	ork Order Status	•								
Failure Cod	les									
Allow te	Failure Codes chnicians to view prev strict problem, cause,									
Problems				Causes			Ac	tions		
1. Set up nestings	problems here before p	placing them int	o failure code	2. Set up nestings	causes here before plac	cing them into failu		<ol> <li>Set up proble stings</li> </ol>	ms here before p	placing th
Import Pro	blems			Import Caus	6			mport Actions		
Code	Description		Active	Code	Description		Active	Code	Description	



## 2.3 Work Order Parts List and Labor Details

#### 2.3.1 Setting Up Equipment Parts List

Equipment parts list for an individual Equipment will be enter on the Parts and Supplies application. When you set up a parts list, you specify the:

- Part Name Item Number/Name
- Description Description of the part/item
- Code Link it to inventory
- Category Link it to inventory
- Account Linked to inventory
- Charge Department Linked to inventory
- Inventory Code
- Unspc Code
- Barcode
- Make Model Linked to inventory
- Last Price Linked to inventory
- Total Stock Linked to inventory
- Notes Stock levels will be updated in NetSuite Inventory.

	Raw Materia	1.1		O Results: 24	🗑 List				
	Raw Materia	11 1		♥ Results: 24	YT List				
A10 - New Parts And Supplies #A10						$\sim$			
Stock: 0.00			0.1						
	Code A10		Category Parts And S	Supplies		•			
						J			
Stock Cycle Co	unt BOMs	Personnel	Warranties Bu	usinesses Fi	les Cu:	stom	Log		
		Personnel	Warranties B	usinesses Fi	les Cu:	stom	Log		
ock Levels Per Loc	ation	Personnel			les Cu	stom		•	
ock Levels Per Loc	ation				les Cu	stom		<b></b>	
ock Levels Per Loc	ation				les Cu	stom	Account Charge Department	<b>•</b>	
Stock Cycle Co ock Levels Per Loca Location	ation				les Cu	stom	Account	▼ ▼	
ock Levels Per Loc	ation				les Cu	stom	Account Charge Department	▼ ▼	
ock Levels Per Loc	ation					stom No record	Account Charge Department Inventory Code Unspc Code	▼ ▼	



#### 2.3.2 Attaching Part List to Work Orders

Maintaining equipment requires parts and materials. Parts and materials can include:

- Stocked items These items are in the inventory. Stock items are stored in a branch/plant, are on hand or will be manufactured, and might have reorder points.
- Non-stocked items These items are in the item master, but they are not kept on hand. In this case, you can associate the part to a work order but cannot issue the part. Instead, you can generate a purchase order for the item with a line type of B, which requires an item number and general ledger account.
- Non-catalogued items These items are undefined and are not set up in the system. Non-catalogued items are parts that do not need to be defined and managed within the system. Use non-catalogued parts for environments that do not use inventory or manufacturing systems. You can still enter parts and associate them with costs. You can also generate purchase orders and enter the costs on the parts lists. You use noncatalogued items for estimated costs; actual costs come from the purchase order receipt.

Parts list will be added under the Parts tab of a work order by entering the following:

- Part/Supply this is the part name.
- For the Asset it will default from the Asset on the work order.
- Suggested Quantity the required quantity of the parts.

Back Save O Create Sc	heduled Mainten	ance More •	Show Video He	ap   🗭 🕈			🖨 Prir	nt 🗘 🗸
Work Order Administration: WO 5								
Code	Work Order S	tatus	Asset					~
5	Open		▼ SAWS-	Weather Station (A4)	•			
A4 - SAWS-Weather Station	Maintenance <sup>-</sup>	Гуре	Project					
Online Set Offline	Breakdown Wo	ork Order	•		•			
SAWS Location1	Priority		Sugges	ted Completion Date				
Add another asset	Medium		<ul> <li>Apr 02,</li> </ul>	2019 07:42:00 PM	81			
								~
General Completion Labor Task	Parts	Meter Readings	Purchase Ord	er Misc Costs P	age Notifications	Files	Work Log	
Custom	×							
Part/supply		For The Asset		Suggested Quantity	Actual Quantity Used			
Raw Material 1 (A10) at SAWS Location1		SAWS-Weather Statio	on (A4)	1.000	0.00	D		



Parts are issued to the work order by updating the actual quantity as per below.

	luled Maintenance	Show Video He	ip   🗭 🗭			e P	Print
	fork Order Status Open	Asset	Weather Station (A4)	<b>~</b>			
A4 - SAWS-Weather Station Online Set Offline SAWS Location1	Part/supply	×	ed Completion Date	•			
G Add another asset	Raw Material 1 (A10) at SAWS Loca For The Asset SAWS-Weather Station (A4) Planned Quantity	ation1 🔻	2019 07:42:00 PM	31			
General Completion Labor Tasks Custom	1.000 Actual Quantity Used		r Misc Costs Pag	ge Notifications	Files	Work Log	
Part/supply     Raw Material 1 (A10) at SAWS Location1		ОК	Suggested Quantity	Actual Quantity Used 0.000			

The actual quantity is updated on the part.

Back	Save	Create Sche	eduled Mainten	ance More 🕶	Show	Video He	elp   🗭 🗭			🖨 Print
Work Ord	er Administrati	ion: WO 5							•	You have unsaved
A4 - SAWS-We			Work Order S Open Maintenance <sup>-</sup>		Ŧ	Asset SAWS-	Weather Station (A4)	•		
Onlin Set Offline SAWS Locatio			Breakdown Wo Priority Medium	ork Order	•	Sugges	sted Completion Date , 2019 07:42:00 PM	31		
General	Completion	Labor Tasks	Parts	Meter Readings	Purch	hase Ord	ler Misc Costs Pa	age Notification	ns Files	Work Log
Custom			•							
Part/su	ipply			For The Asset			Suggested Quantity	Actual Quantity Use	d	
Raw Ma	aterial 1 (A10) at S/	AWS Location1		SAWS-Weather Statio	n (A4)		1.000		1.000	

# Inventory will also be updated.

			0.000	2ty on hand 99.000
ore Qty After	Qty Before	User	tion	itock History Date
	0.000	Sipho Banda	atus	Apr 08, 2019 02:43:39 PM
100.000	0.000	Sipho Banda	ent	Apr 08, 2019 02:44:01 PM
99.000	100.000	Sipho Banda	work order WO 5	Apr 09, 2019 12:13:15 PM
				Apr 08, 2019 02:44:01 PM Apr 09, 2019 12:13:15 PM

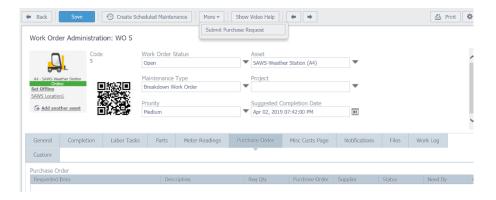


2.3.3 Generating Purchase Request from Parts List

You can purchase parts for a work order by creating purchase orders directly from a work order parts list. This capability is particularly useful if a maintenance task requires parts that you do not usually keep in stock, such as costly parts or parts that have long lead times.

A purchase request can be created in Fiix by submitting a purchase request that will follow an SCM procurement process.

To create a purchase request for an inventory item, Click the Submit Purchase Request



To create a purchase request for an item that does not exist in the CMMS, select the not in inventory? Describe what you need button. Add a detailed description of the part, and a Quantity. Click OK to complete. Note: these items will not be added as records to the CMMS. This option is for consumables.

JRCHASE REQUEST			
	OE	quipment / Tools / Parts / Supplies	Quantity
	_ M	lore information on what you need and	why
			<u>^</u>
You Need			~
Tou Need			
		et is investor 2 Describe whet we are	ad Ourantiitu
		ot in inventory? Describe what you nee Part2	
	1	Part2	
			*
			<u> </u>
Additional Information			<u> </u>
		l is down while waiting for this item.	× _
Production equipme		l is down while waiting for this item. Charge Department	×
Production equipme			✓
Production equipme Account			▼  
		Charge Department	▼   ▼   ▼
Production equipme Account	ent is impacted, and	Charge Department Associated / Impacted Work Order	• • •



#### 2.3.4 Adding Labor Detail to Works

Work centers consist of the people and machines where work is performed. In maintenance management, a work center typically represents labor, such as a labor type, class, or craft. Work centers can also relate to a craft or trade within a maintenance environment, which is used during the planning process to indicate the skills that are required to complete the labor detail steps.

Labor detail is a sequence of steps that include the events that must take place. For maintenance, labor details are the subtasks and steps required to perform the maintenance task. You can create standard labor detail steps for repairs that are typically scheduled, planned, and repetitive. After you have created a work order, you can also manually assign labor details for any task for which you have not set up standard instructions.

Labor details will be captured on the work order.

	Code		Work Order S	Status	Asset		•			
-	S-Weather Station		Open	_		eather Station (A4)	*			
A4 - SAWS-We Onl Set Offline	ather Station		Maintenance Breakdown W		Project		•			
SAWS Locatio	6		Priority Medium			d Completion Date 019 07:42:00 PM	31			
General	Completion	Labor Tasks	Parts	Meter Readings	Purchase Order	Misc Costs Page	Notifications	Files	Work Log	
		~								



### 2.4 Preventative Maintenance Schedules

Planning for and scheduling maintenance helps to minimize equipment breakdowns and unscheduled repairs. You can set up a preventive maintenance schedule for each piece of equipment. When you manage equipment maintenance needs, you define the type and frequency of each maintenance task for each piece of equipment in the organization. The PM cycle refers to the sequence of events that make up a maintenance task, from its definition to its completion. Because most PM tasks are commonly performed at scheduled intervals, parts of the PM cycle repeat, based on those intervals.

#### 2.4.1 Adding Standard Procedures

Standard procedures will entered on the task groups. Task Groups are a great way of quickly populating work orders, scheduled maintenances, projects etc. Task groups are particularly useful if you have similar assets that require the same work to be carried out. Creating task groups and associating them to specific asset categories speeds up the process of creating work orders and scheduled maintenances. It also cuts out the room for human error in terms of creating multi asset work orders, and forgetting to add specific tasks to assets.

ask Groups	Name			
] Name	WEATHER R	ADAR MONTHLY MAINTENANCE	AND CAL ×	
WEATHER RADAR MONTHL				
	Task List	Scheduled Maintenance	Asset Category	Files
	Tasks			
	On reor	dering tasks, click 'ok' to comple	te your changes	
		Description		Hrs Estima
	≡□	Check the alarm and status of re-	spective equipment by BI	
	$\equiv$	Check the visual appearance of	all equipment.	
	≡□	Check the condition of cooling fa	an.	
	≡ 🗌	Measure the DC voltage of power	r supply in the respective.	
	$\equiv$	Measure the VSWR using power	meter	
	=	Power measurement in a spatial	region without backscatte	
	G 🗊			6 records.



#### 2.4.2 Service Types

Below are the service types that will used to trigger maintenance,

- Bi Weekly
- Monthly
- Quarterly
- Half Yearly
- Annually

#### 2.4.3 Creating Preventive Maintenance Schedules

Preventative maintenance schedule is a template for work orders. When the right conditions are met (a certain amount of time has elapsed, or a meter reading is greater than it should be), the system generates a work order from the scheduled maintenance.

Preventative maintenance schedules will be entered on the Scheduled Maintenance. The PM schedule will include,

- Asset on which the PM will be performed.
- Maintenance Type to classify type of work to be performed.
- Work Order Status This is the work order status that will be allocated to the work order when it's created.
- Priority for the work order when generated.
- Summary of the issue.
- Project If the PM is part of an ongoing project.
- Suggested Completion Date.

										4 You have	e unsaved ite
Scheduled Mainter	nance l	Jetails: SM5									
	Code				Asset						
<b></b> _	SM5				SAW5-Weather St	ation (A4)		Ŧ	Paused		
M - SMIS-Weather Station		As Work Order S	Status		Maintenance Typ	e			Estimated co		
Set Offline	Open			Ŧ	Preventive			Ŧ	days af	ter WO created	
SAWS Location1	Projec	2		_	Priority			-			
Add another asset				*	Medium			*			
	L] Cre	ate a new work									
	_	Nested PMs	Labor Tasks	Parts	Notifications	Notes	Files	Log			
	_				Notifications	Notes	Files				
Cost Tracking	_	Nested PMs		Parts		Notes	Files				
Cost Tracking	_	Nested PMs	Labor Tasks	Parts	Notifications	Notes	Files				
Cost Tracking	_	Nested PMs	Labor Tasks	Parts		Notes	Files				
Cost Tracking Account Maintenance Summary of Issue	_	Nested PMs	Labor Tasks	Parts		Notes	Files				
Cost Tracking Account Maintenance Summary of Issue	_	Nested PMs	Labor Tasks	Parts		Notes	Files	Log			
Cost Tracking Account Maintenance Summary of Issue Preventative	_	Nested PMs	Labor Tasks	Parts	•	Notes	Files				
General Schedu Cost Tracking Account Maintenance Summary of Issue Preventative Work Instructions	_	Nested PMs	Labor Tasks	Parts		Notes	Files	Log			

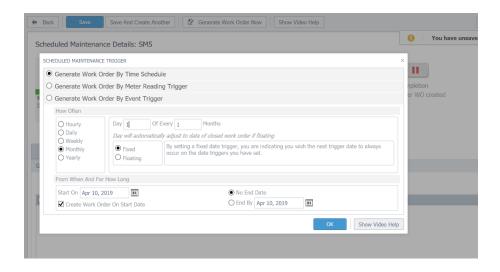


Maintenance will be scheduled under the scheduling tab. You can select all of the triggers to fire or any of the triggers to fire. There are three types of triggers:

- Time based
- Meter Reading based
- Event based

South African Weather Services will use the time based trigger for time schedules. When you generate work orders by time schedule, you can select to generate hourly, daily, weekly, monthly and yearly. You can also select to fix the date trigger or keep it floating.

🗲 Back	Save	S	ave And Create An	other	enerate Wor	k Order Now	Show Video H	lelp		
Scheduled	Mainten	ance	Details: SM5							1 You have
		Code				Asset			_	
	L	SM5			SAWS-Weather St	ation (A4)		•	Paused	
A4 - SAWS-Weat		Start As Work Order Status			Maintenance Typ	e			Estimated completion	
Set Offline	2	Open	1		•	Preventive			•	days after WO created
SAWS Location	1	Proje	ct			Priority				
Add anoth	her asset				•	Medium			•	
		🗌 Cri	eate a new work	order even if the	ere are work	orders not closed	from this S	cheduled I	Maintenanc	ie -
General	Schedul	ing	Nested PMs	Labor Tasks	Parts	Notifications	Notes	Files	Log	
Generate Wo	rk Order V	Vhen								
<ul> <li>all of th</li> <li>any of t</li> </ul>										
Trigger I	Description		Curren	t Asset Reading	Next T	rigger Threshold				





Task groups will added on the scheduled maintenance under labor task. A single task can also be added and assigned to the responsible person.

-		Code					Asset						
	7	SM5						Weather Sta	ition (A4)		•	Pa	aused
0	eather Station	Start	As Work Order S	tatus			Mainte	nance Type	2			Estim	ated completion
On Set Offline	line	Open	1			•	Preventive					days after WO cr	
SAWS Locati	on1	Projec	ct				Priority	(					
Add and	other asset					•	Mediu	n			•		
General	Schedul	ing	Nested PMs	Labor Ta	asks	Parts	Noti	ications	Notes	File	es Log	I	
General	Schedul	5	Nested PMs		asks Asset	Parts	Notii	ications Assigned T		File Hrs Estir			< Control
General		on			Asset	Parts /eather Statio			0			Tasl	< Control
	Description	on sk descri			Asset SAWS-W		on (A4)	Assigned T	o a	Hrs Estir	n	Tasl	< Control
	Description <enter tas<br="">Check the a</enter>	on sk descri alarm ar	iption>	ive equip	Asset SAWS-W SAWS-W	/eather Static	on (A4) on (A4)	Assigned T Sipho Banda	o a a	Hrs Estir	n 🚹 Add L	Tasl	î
	Description <enter tage<br="">Check the a Check the</enter>	on sk descri alarm ar visual a	iption> nd status of respecti	ive equip	Asset SAWS-W SAWS-W SAWS-W	leather Static	on (A4) on (A4) on (A4)	Assigned T Sipho Banda Sipho Banda	o a a	Hrs Estir 1.0 1.0	n (1. Add L (1. Add L	Task abor abor	
	Description <enter tas<br="">Check the Check the Check the</enter>	on sk descri alarm ar visual a conditio	iption> nd status of respecti ippearance of all equ	ive equip	Asset SAWS-W SAWS-W SAWS-W SAWS-W	/eather Static /eather Static /eather Static	on (A4) on (A4) on (A4) on (A4)	Assigned T Sipho Banda Sipho Banda Sipho Banda	o a a a a	Hrs Estir 1.0 1.0 1.0	n (i Add L (i Add L (i Add L	abor abor abor abor abor	
	Description <enter tas<br="">Check the Check the Check the Measure the</enter>	on sk descri alarm ar visual a conditio ne DC vo	iption> nd status of respecti ppearance of all equipn of cooling fan.	ive equip uipment.	Asset SAWS-W SAWS-W SAWS-W SAWS-W SAWS-W	/eather Static /eather Static /eather Static /eather Static	on (A4) on (A4) on (A4) on (A4) on (A4)	Assigned T Sipho Band Sipho Band Sipho Band Sipho Band	o a a a a a	Hrs Estir 1.0 1.0 1.0	Add L Add L Add L Add L	abor abor abor abor abor abor abor abor	A EATHER R

Parts will be added on the scheduled maintenance.

	Code			Asset				
	SM5			SAWS-Weather Sta	ation (A4)		•	Paused
A4 - SAWS-Weather Station	Start As Work Orde	r Status	-	Maintenance Type Preventive	2		•	Estimated completion days after WO creat
SAWS Location1	Project			Priority				
Add another asset			•	Medium			•	
	Create a new wo	ork order even if the				riles	laintenanc	e
General Schedu	Iling Nested PMs	Labor Tasks	Parts	Notifications	Notes	Files	LUY	
General Schedu	ling Nested PMs		Parts	Notifications	Suggested		LUY	



Once the scheduled maintenance has been saved, the work order instructions, assigned to and estimates hours will be updated.

Back Save	Save And Creat	e Another	Generate Wor	k Order Now	Show Video H	lelp		
Scheduled Mainter	nance Details: SM	5						
	Code SM5			Asset SAWS-Weathe	r Station (A4)		•	Paused
A4 - SAWS-Weather Station Online Set Offline	Start As Work Ord Open	er Status	•	Maintenance Preventive	Туре		•	Estimated completion days after WO created
SAWS Location1	Project		•	Priority Medium			•	
General Schedu		Labor Tasks	Parts	Notifications		Files	Log	2
Maintenance	ing noscarn.	Lubor rusks	14163	Houndation	110103	11103	Log	
Summary of Issue								
Preventative							$\bigcirc$	
This SM has multiple ta	sks, <u>go to the tasks lis</u>	to sign off on your wo	ork procedure	es				
Work Instructions 1. 2. Check the alarm ar 3. Check the visual ap 4. Check the condition 5. Measure the DC vo 6. Measure the VSWR 7. Power measurement Chine and the visual approximate	pearance of all equipn of cooling fan. Itage of power supply using power meter	ent. n the respective equip	ment.	S E 7	Assigned To Use Sipho Banda Estimated Labor 7.00 hours			

The scheduled maintenance is running and it shows the next date a work order will be created and dates for the full year.

	Code SM5				Asset SAWS-Weather Sta	ition (A4)		•	Running
A4 - SAWS-Wes Onlin et Offline		As Work Order S	tatus	-	Maintenance Type	2		•	Estimated completion days after WO created
AWS Location	n <u>1</u> Proje			r	Priority Medium			~	
	Scheduling ork Order When	Nested PMs	Labor Tasks	Parts	Notifications	Notes	Files	Log	
○ all of the second	he triggers fire the triggers fire								
any of	Description	Curren	t Asset Reading	Next T	rigger Threshold				



🕈 Back	Save Save And Create Another 2 Generate Work Order	Now Show Video Help
Sched	SCHEDOLE MAIN TENANCE OPCOMING	~
	Code	
	SM5 Description	Bunning
	Preventative	
A4 - SAV	Scheduling	ed completion ivs after WO created
SAWS Lo	Scheduling	lys diter no cleated
Add	type Date	
Cr inte	May 01, 2019 12:00:00 AM	~
	Jun 01, 2019 12:00:00 AM	
Genera	Jul 01, 2019 12:00:00 AM	
Canaval	Mug 01, 2019 12:00:00 AM	
General	Sep 01, 2019 12:00:00 AM	
<ul><li>○ all</li><li>● an</li></ul>	Oct 01, 2019 12:00:00 AM	
	Nov 01, 2019 12:00:00 AM	
	Dec 01, 2019 12:00:00 AM	
	Jan 01, 2020 12:00:00 AM	
	5 Feb 01, 2020 12:00:00 AM	Ý
		13 records.
G 🗊		

## 2.4.4 Cancelling Preventive Maintenance Schedules

There is a requirement from South African Weather Services to cancel outstanding preventative work order when maintenance is due.

The outstanding PM WO cannot be cancelled, they will rescheduled.



# 4. Equipment Meter Readings

Meter readings will be used to:

- Trigger maintenance tasks based on accumulated statistical units.
- Enter and update meter readings for individual pieces of equipment or for multiple pieces of similar equipment.
- Update equipment records to indicate that a meter was replaced due to damage or a meter rollover.

Meter reading will be updated manually using the Batch Meter Reading. It allows multiple meter reading updates. The second screen shows that the meter reading has been updated.

Technician Dashboard	BATCH METER READING				×		
Administrator Dashboar					٩		
	For Asset		Reading	Unit			
SCHEDULE	SAWS-Weather Station (A4)	•	1000	Hours (h)	•		
All Assets		•			•	ıps	T
		•			•		v
		•			•		
These is not enough inform		•			•		
There is not enough inform		•			•		
		•			-	RS	
		•			•	ips	
		•					
					-		
					-		
					•		
LOW STOCK ITEMS		-				SE	
		•			•		
0	<			Ne	>		
U				INC	records		
					ОК		



🖨 Back	Save		More - Show V	ideo Help	+							🕒 Print
Equipment: SA	AWS-V	Neath	ner Station (A4)									
		SAWS-Weather Station				○ Find Item Tust Online						
A4 - SAWS-Weather St Online Set Offline	tation	Q						副級	<u>III</u>			
SAWS Location1		Code A4			Category Equipmer			•				
General Pa	arts/BOI	М	Metering/Events	Personnel	Warra	nties	Businesse	Purchasin	g Files	Custom	Financials	Log
Most Recent Mete	er Read	lings	·									
Last Reading	U	Jnit				Date Sub	mitted					
1,00	00.00 H	lours (h	1)			Apr 10, 2	019 11:46:50 /	M				

# 5. Roles

Technicians – Edit and View Technologist - Edit and View Specialist/Engineers – Add, Edit, View Manager – Full Planner – Full Senior Manager - Full



# 6. Standard Fiix Reports

The following are standard Fiix reports

Report	Description
Completed Work Order Per Month	This report details graphically the number of closed work orders per month.
[FIIX] All Work Orders Detail Report	This report lists all work orders and user can filter the list based on different parameters
[FIIX] Asset List	This reports details all assets in the CMMS. You can filter the report by location, category
[FIIX] Asset Online and Offline History	This report dumps all Offline / Online Asset events for a given period. You can filter the report
[FIIX] Assets Checked Out Detail Report	This report lists the move history for all assets, filtered by the location that the assets are moved
[FIIX] Closed Work Order Graph Report	This graphical report shows the split of work orders by maintenance type for a particular location
[FIIX] Closed Work Orders Detail Report	This report displays the list of all closed work orders assigned to a maintenance type, asset, category
[FIIX] Closed Work Orders List Report	This report displays the list of all closed work orders assigned to a maintenance type, parent asset.
[FIIX] Closed Work Orders with Completion Notes (all)	Detailed summary of all closed work orders between 2 specified dates with completion notes.
[FIIX] Failure Code Cause Count	This report details the counts for cause failure codes on closed work orders for a particular period.
[FIIX] Failure Code Problem Count	This report details the counts for problem failure codes on closed work orders for a particular period
[FIIX] Labor Logged per Employee	This report list number of hours logged on the work order tasks between two dates.
[FIIX] Labour Hours By Asset - Top 10 Hitters (Improved Version)	This report is looking for time spent on the tasks on work orders.
[FIIX] List of All Projects with Total Costs	This report lists the total costs for each project.
[FIIX] List of asset warranties and expiry dates	List all Assets which have warranties, and the warranties' statuses.
[FIIX] List of low stock inventory, filtered by location	This report lists all the parts in stock that are below minimum levels in a particular stock location



[FIIX] List of meter readings added to an asset	This report lists all meter readings added to an asset filtered by asset, asset category and a meter.
[FIIX] List of offline assets	This report lists all assets which are offline. You can filter the report by location and asset category
[FIIX] List of offline assets (Improved Version)	The report shows the list of offline assets along with the details for the latest date it is put off.
[FIIX] List of Users by Site	This report lists the users assigned to each site, and their associated user groups.
[FIIX] Open PM Work Orders List Report	This report displays the list of all open PM work orders assigned to a maintenance type, parent asset
[FIIX] Open Work Orders Detail Report	This report displays the detailed list of all open work orders assigned to a maintenance type, asset.
[FIIX] Open Work Orders List Report	This report displays the list of all open work orders assigned to a maintenance type, parent asset
[FIIX] Overdue Work Orders Detail Report	List of open work orders that passed expected completion date.
[FIIX] Parts inventory work sheet, filtered by location and parts category	Lists inventory information for all parts and supplies filtered by location, and parts category.
[FIIX] Planned Maintenance List Per Site	This report lists all the SM's with their details associated with the particular site.
[FIIX] Planned Maintenance Two Week Lookout	This report shows the upcoming planned maintenance for a particular parent asset and all their child.
[FIIX] Projects Report with Work Order details	This report lists the WO and total cost related details for each Work Order under the specific Project
[FIIX] Requested Work Orders List Report	This report shows the list of requested work orders.
[FIIX] Shift Report	This lists all the work orders modified on a specific date, filtered by asset category
[FIIX] Site Asset & SM Summary Report	This report lists the assets in the facility and their corresponding SMs.
[FIIX] Skipped PM's Report by Site by Maintenance Type	When scheduled maintenance is due, the new work order is not created if an active work order exists
[FIIX] Upcoming Scheduled Maintenance Detail Report	This report lists all of the upcoming active scheduled maintenances that will be created between two dates
[FIIX] Upcoming Scheduled Maintenance List Report	This report lists all of the upcoming active scheduled maintenances that will be created between two dates



[FIIX] Upcoming scheduled maintenance with stock forecasting	This report lists all of the upcoming active scheduled maintenances, filtered by maintenance type
[FIIX] Work Order Cost Detail Report	This report totals up the labor, and parts costs associated with closed work orders
[FIIX] Work Order Cost List Report	This report lists the labor, parts and misc cost associated with work orders.
[MultiSite Report] Employee Engagement per Site	This report shows employee engagement per site. The report calculates various metrics for every user
[MultiSite Report] Planned Maintenance	This report shows how much of your maintenance
Percentage per Site per Work Week	is planned per site per work week.
[MultiSite Report] PM Compliance Percentage	This report shows the number of scheduled PM's completed on time per site in a particular calendar
[MultiSite Report] PM Task Completion Percentage	This report shows how many maintenance tasks were completed on time per site per month.
[MultiSite Report] Total Technician Hours Logged Per Site Per Work Week	This report shows total hours logged per site per work week.
[new] List of receipts, received between two dates	This lists all receipts in your system, between two dates, as well as the individual prices of line items
[new] Work order part usage history, created between two dates	Lists all work orders that have consumed a part, between two work order creation dates.
All Assets List Excel Dump	This report details all Assets on the system and exports data into Excel Format.
Asset Custom Field Excel Dump	Dumps asset custom fields info to Excel. This report can be customized
Average Time to Complete Work Orders (days)	This report takes the average time to close for all work orders per work week.
Closed Work Orders (Excel Dump)	Dumps All Closed Work Order info to Excel.
Closed Work Orders by All Maintenance Types	Shows all work orders completed within a specific date period for a given maintenance type (safety,)
Closed Work Orders by Associated User (Excel Dump)	Dumps All Closed Work Order info for an assigned user into to Excel.
Closed Work Orders by Parent Asset or Location (Excel Dump)	Dumps All Closed Work Order info to Excel for an parent asset or location and all its child assets.
Closed Work Orders with All Costs	Shows all work orders completed within a specific date period with parts and labour costs.
Cost report by Asset (closed work orders only)	Dumps all cost information from closed work orders for a particular asset to Excel.
Downtime by Repair Type by Asset Category	This report gives a graphical summary of the downtime and reasons for downtime between a specific period



Downtime hits (all)	When an asset is logged offline, a reason is logged. This report shows how many times an asset is loged offline
FIFO Purchases List between 2 dates	This inventory report shows all stock purchases and receipts between 2 dates.
FIFO Value of Stock on Hand Report	This report lists the stock on hand with the corresponding FIFO transactions.
FIIX] Labour Hours By Asset - Top 10 Hitters by Site (Improved Version)	This report is looking for time spent on the tasks on work orders per asset for the Site selected.
Labour Hours By Asset	This report is looking for time spent on the tasks on work orders. The time must be logged.
Labour Hours By Asset - Top 10 Hitters	This report is looking for time spent on the tasks on work orders. The time must be logged.
Mean time between failures (MTBF)	
Mean time between failures by Asset Category (MTBF)	
Mean Time To Repair (MTTR) v2.0	
Mean Time to Repair MTTR (all)	
Mean Time to Repair MTTR (by Asset Category)	
Number Completed Work Order Per Month by Asset Category	This report details graphically the number of closed work orders per month.
Number Completed Work Order Per Month by User	This report details graphically the number of closed work orders per month.
Number Scheduled Maintenance Upcoming per Week	This report shows all upcoming Maintenance in each week.
Number Work Orders Requested V Completed	Shows the number of work orders requested in a month versus the number of work orders completed.
Open Work Order Excel Dump	Dumps All Work Order info to Excel.
Part Usage History	Lists all work orders that have used a part within the time frame given.
Parts Consumed on Work Orders Report	The report shows the list of parts consumed in the work orders.
Parts Received into Inventory	This report lists the inventory received into the CMMS within a particular period
Parts Used in Work Orders (Excel Dump)	Dumps a list of all parts used in Work Orders between 2 dates to Excel.
Planned Maintenance Percentage per month	This report shows how much of your maintenance is planned per month.
PM Compliance Rate - Monthly	Monthly compliance report shows the number of scheduled PM's completed on time in a particular calendar period



PM Compliance Rate - Weekly	Weekly compliance report shows the number of scheduled PM's completed on time by week.
Project Status	Lists details on all projects that have not yet been closed (current date is not past actual project date)
Purchase Order History (all)	Lists the purchase order history between two dates.
Scheduled Maintenance Critical Percent	This report lists the critical % for work orders generated from scheduled maintenance items.
Scheduled Maintenance Critical Percent by Asset Category	This report lists the critical % for work orders generated from scheduled maintenance items.
Scheduled V Unplanned Maintenance Downtime %	This report shows Scheduled V Unplanned maintenance hours as a % compared the 80/20% target.
Scheduled V Unplanned Maintenance Hours %	This report shows Scheduled V Unplanned maintenance hours as a % compared to the 80/20% target
Spare Parts List Report (Excel)	Lists spare parts information for all parts.
Stock Purchases (all)	This report lists all stock purchases between 2 dates.
Summary Report for a given Asset	This report gives a graphical summary of the maintenance on a particular asset over a specific timeframe
Upcoming Scheduled Hours per Work Week	This report shows how many hours in upcoming Maintenance are due in hours in each week.
Upcoming Scheduled Hours per Work Week by Asset Category	This report shows how many PM maintenance hours upcoming per asset category in each week.
Upcoming Scheduled Hours per Work Week by User	This report shows how many upcoming maintenance hours due per user per work week.
Work Order Completion Rate by Maintenance Type	Work Order Completion Rate shows graphically the percentages of safety work orders completed
Work Order Hours Logged by Technician	Lists Work Order Hours logged for a particular technician in a given time frame.
Work Order Overview by Technician	Lists work order details for each user, including # of work orders assigned, # of closed work orders.



#### NetSuite Acceptance

Action	Name	Title	Signature	Date
Accepted By		Project Manage	r	
Accepted By		Consultant		

## **Customer Acceptance**

Action	Name	Title	Signature	Date
Accepted By		Executive Sponsor		
Accepted By		Project Manager		