

**Oracle Utilities Network Management
System Integration to Oracle Field
Service**

Data Mapping Guide

Release 21C

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Oracle Utilities Network Management System Integration to Oracle Field Service Data Mapping Guide, Release 21C

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Preface

Welcome to the Oracle Utilities Network Management System Integration to Oracle Field Service Data Mapping Guide.

The preface includes the following:

- [Audience](#)
- [Documentation and Resources](#)
- [Documentation Accessibility](#)
- [Conventions](#)
- [Acronyms](#)

Audience

This document is intended for anyone implementing the Oracle Utilities Network Management System integration with Oracle Field Service.

Documentation and Resources

For more information regarding this integration, foundation technology and the edge applications, refer to the following documents:

Product Documentation

Topic	Location
Oracle Utilities Network Management System Integration to Oracle Field Service documentation	https://docs.oracle.com/en/industries/utilities/integrations-index.html
Oracle Utilities Network Management System documentation	http://docs.oracle.com/cd/E72219_01/documentation.html
Oracle Field Service documentation	https://docs.oracle.com/en/cloud/saas/field-service/21c/index.html

Additional Documentation

Resource	Location
Oracle Support	<p>Visit My Oracle Support at https://support.oracle.com regularly to stay informed about updates and patches.</p> <p>Refer to the <i>Certification Matrix for Oracle Utilities Products (Doc ID 1454143.1)</i> on My Oracle Support to determine if support for newer versions of the listed products is included.</p> <p>For more information, refer to the Oracle Utilities Integrations page at http://my.oracle.com/site/tugbu/productsindustry/productinfo/utilities/integration/index.htm</p>
Oracle Technology Network (OTN) Latest versions of documents	http://www.oracle.com/technetwork/index.html
Oracle University for training opportunities	http://education.oracle.com/

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers have access to electronic support for the hearing impaired. Visit: <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs>

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<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.

Acronyms

The following terms are used in this document:

Term	Expanded Form
OFS	Oracle Field Service
OIC	Oracle Integration Cloud
ICS	Integration Cloud Service
DVM	Domain Value Map (Lookup)
OUNMS	Oracle Utilities Network Management System

Chapter 1

Data Mapping

This appendix provides mapping details for each integration point, including the following:

- [Admin Sync \(Oracle Utilities Network Management System Initiated\)](#)
- [Failed Equipment \(Oracle Utilities Network Management System Initiated\)](#)
- [Activity Process \(Oracle Utilities Network Management System Initiated\)](#)
- [Activity Created \(Oracle Field Service Cloud Initiated\)](#)
- [Update Event Details \(Oracle Field Service Initiated\)](#)
- [Resource Created/Updated \(Oracle Field Service Initiated\)](#)
- [Update Activity \(Oracle Field Service Initiated\)](#)
- [Activity Async Processor \(Oracle Field Service Initiated\)](#)
- [Resources Sync \(Oracle Field Service Initiated\)](#)
- [Resources Route \(Oracle Field Service Initiated\)](#)

Admin Sync (Oracle Utilities Network Management System Initiated)

This section describes data mapping for the following:

- [Get Admin Data Mapping](#)
- [PickListCreateEnumProperty Mapping](#)
- [PickListPutEnumProperty Mapping](#)
- [PickListPutEventCategoryEnum Mapping](#)
- [FEPopulateEnuYesNo Mapping](#)
- [FECreateEnumProperty Mapping](#)
- [FEPopulateRatingUnitsOM Mapping](#)
- [FECreateProperty Mapping](#)
- [PopulatePhases Mapping](#)
- [PopulateManufacturer Mapping](#)
- [GetOFSCWorkSkillConditions Mapping](#)
- [CrewTypePutWorkSkill Mapping](#)
- [CrewTypePutWorkSkillProperty Mapping](#)
- [CrewTypeReplaceWorkSkillCond Mapping](#)
- [GetAllWorkZones Mapping](#)
- [ControlZonesCreate Mapping](#)
- [ControlZonesReplace Mapping](#)
- [PickListEnvMapPutEvent Mapping](#)
- [PickListEnvMapPutEnum Mapping](#)
- [CustomerTypePopulate Mapping](#)

Get Admin Data Mapping

OIC Get Admin Data Request Message			NMS GetAdmin Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			execute		Outerm osttag			GET /nms-ofs/ rest/v1/admin/

PickListCreateEnumProperty Mapping

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag			Put /rest/ ofscMetadata/ v1/properties/ {label}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group			
picklist	response-wrapper	Array	label	Template Parameters	String			concat("nms_", / picklist/first,"_", /picklist/ second/first)
first	picklist	String						
second	picklist	Array						
first	second	String						
			request-wrapper	execute	Group			

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			type	request-wrapper	String				"enumeration"
			entity	request-wrapper	String				"activity"
			gui	request-wrapper	String				"combobox"
			cloneFlag	request-wrapper	boolean				"false"
			translations	request-wrapper	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"	Value = "en"	
fieldNames	response-wrapper	Array of Strings	name	translations	String				/fieldNames/nestedArray[nestedArrayItem[1]=/picklist/first/second/first]/nestedArrayItem[2]
first	fieldNames	Strings							
second	fieldNames	String							

PickListPutEnumProperty Mapping

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag			
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group			
picklist	response-wrapper	Array	enumProperty	TemplateParameter s	String			concat("nms_", / picklist/first,"_", /picklist/ second/first)
first	picklist	String						
second	picklist	Array						
first	second	String						
			request-wrapper	execute	Group			
			items	request-wrapper	Array			
			active	items	Boolean	OUTL-BRT- NMS_OFSC_ ConfigProps	PropertyName = "activeFlag.defaul t"	Value = "true"
second	second	String	label	items	String			
			translations	items	Array			
			language	translations	String	OUTL-BRT- NMS_OFSC_ ConfigProps	PropertyName = "ofs.language"	Value = "en"

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
second	second	String	name	translations	String				/fieldNames/nestedArray[nestedArrayItem[1]=/picklist/first/second/first]/nestedArrayItem[2]

PickListPutEventCategoryEnum Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/nms_event_category/enumerationList/
response-wrapper	\$Get_AdminData	Group							
picklist	response-wrapper	Array							
			request-wrapper	execute	Group				
			items	request-wrapper	Array				
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default"	Value = "true"	

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
first	picklist	String	label	items	String				
			translations	items	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"	Value = "en"	
first	picklist	String	name	translations	String				/fieldNames/nestedArray[nestedArrayItem[1]=/picklist/first/second/first]/nestedArrayItem[2]

FEPopulateEnumYesNo Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/{enumProperty}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group				

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
fieldNames	response-wrapper	Array of Strings							
first	fieldNames	Strings	enumProperty	Template Parameters	String				concat("nms_", / nestedArray[nestedArrayItem[1]= tableName/ columns/name]/ nestedArrayItem [2]
second	fieldNames	Strings							
tableSchemas	response-wrapper	Group							
tableName	tableSchemas	Group	request-wrapper	execute	Group				
columns	tableName	Group	items	request-wrapper	Array				
name	columns	String	label	items	String				N' or 'Y'
dataType	columns	String	active	items	Boolean	OUTL-BRT-NMS_OFSC_ ConfigProps	PropertyName = "activeFlag. default"	Value = "true"	
maxWidth	columns	Integer	translations	items	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ ConfigProps	PropertyName = "ofs.language"	Value = "en"	
			name	translations	String				No' or 'Yes'

FECREATEENUMPROPERTY Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/{label}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group				
fieldNames	response-wrapper	Group							
nestedArray	fieldNames	Array	label	Template Parameters	String				concat("nms_", /nestedArray[nestedArrayItem[1]=tableName/columns/name]/nestedArrayItem[2])
nestedArrayItem	nestedArray	Array							
tableSchemas	\$Get_AdminData	Group							
tableName	tableSchemas	Group	request-wrapper	execute	Group				
columns	tableName	Group	type	request-wrapper	String				"enumeration"
name	columns	String	entity	request-wrapper	String				"activity"
dataType	columns	String	gui	request-wrapper	String				"combobox"
maxWidth	columns	Integer	cloneFlag	request-wrapper	boolean				"false"
			translations	request-wrapper	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"	Value = "en"	

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			name	translations	String				/fieldNames/nestedArray[nestedArrayItem[1]=tableName/columns/name]/nestedArrayItem[2]

FEPopulateRatingUnitsOM Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/{enumProperty}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group				
picklist	response-wrapper	Array	enumProperty	Template Parameters	String				"nms_RATING_UNITS_OM"
first	picklist	String							
second	picklist	Array							
first	second	String							

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			request-wrapper	execute	Group			
			items	request-wrapper	Array			
second	second	String	label	items	String			/ picklist[first='radial']/ second[first='rating_units_om']
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default	"Value = "true"
			translations	items	Array			
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language	"Value = "en"
second	second	String	name	translations	String			/ picklist[first='radial']/ second[first='rating_units_om']

FECREATEPROPERTY Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outermost tag	execute		Outermosttag				Put /rest/ofscMetadata/v1/properties/{enumProperty}/
response-wrapper	\$Get_AdminData	Group	TemplateParameters	execute	Group				
fieldNames	response-wrapper	Group							
nestedArray	fieldNames	Array							
nestedArrayItem	nestedArray	Array	enumProperty	TemplateParameters	String				concat("nms_", /nestedArray[nestedArrayItem[1]=tableName/columns/name]/nestedArrayItem[2]
tableSchemas	\$Get_AdminData	Group							
tableName	tableSchemas	Group	request-wrapper	execute	Group				
columns	tableName	Group	type	request-wrapper	String				"string"
name	columns	String	entity	request-wrapper	String				"activity"
dataType	columns	String	gui	request-wrapper	String				"text"
maxWidth	columns	Integer	cloneFlag	request-wrapper	boolean				"false"
			translations	request-wrapper	Array				
			language	translations	String				"No" or "Yes"

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			name	translations	String				/fieldNames/nestedArray[nestedArrayItem[1]=tableName/columns/name]/nestedArrayItem[2]

PopulatePhases Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/nms_event_phases/enumerationList/
response-wrapper	\$Get_AdminData	Group							
phases	response-wrapper	Array							
phaseA	phases	String							
phaseB	phases	Array							
phaseBits	phases	String							
phaseC	phases	String	request-wrapper	execute	Group				

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
phaseN	phases	String	items	request-wrapper	Array				
phaseString	phases	String	label	items	String				if phaseString not empty otherwise 'None'
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default"		"Value = "true"
			translations	items	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"		"Value = "en"
phaseString	phases	String	name	translations	String				if phaseString not empty otherwise 'None'

PopulateManufacturer Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute	Outermosttag					Put /rest/ofscMetadata/v1/properties/nms_MANUF_TEXT/enumerationList/

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
response-wrapper	\$Get_AdminData	Group							
			request-wrapper	execute	Group				
			items	request-wrapper	Array				
manufacturers	response-wrapper	Array of String	label	items	String				if phaseString not empty otherwise 'None'
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default"	Value = "true"	
			translations	items	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"	Value = "en"	
manufacturers	response-wrapper	Array of String	name	translations	String				if phaseString not empty otherwise 'None'

GetOFSCWorkSkillConditions Mapping

NMS Get Admin Data Response Message			OFSC GetWorkSkillConditions Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			execute		Outerm osttag			

CrewTypePutWorkSkill Mapping

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag			Put /rest/ ofscMetadata/ v1/workSkills/ {label}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group			
crewTypes	response-wrapper	Group						
crewType	crewTypes	String	label	Template Parameters	String			concat("n_", / crewTypes/ crewType)
			request-wrapper	execute	Group			
			items	request-wrapper	Array			
			sharing	items	String			

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default	"Value = "true"
			translations	items	Array			
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language	"Value = "en"
			name	translations	String			

CrewTypePutWorkSkillProperty Mapping

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag			Put /rest/ofscMetadata/v1/properties/{label}/
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group			
crewTypes	response-wrapper	Group						
crewType	crewTypes	String	label	Template Parameters	String			concat("n_", /crewTypes/crewType,"_Nd")
			request-wrapper	execute	Group			

NMS Get Admin Data Response Message			OFSC Metadata API Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			type	request-wrapper	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "workSkillProperty.type.default"	"Value="string"	
			entity	request-wrapper	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "workSkillProperty.entity.default"	"Value = "activity"	
			gui	request-wrapper	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "workSkillProperty.gui.default"	"Value = "text"	
			translations	request-wrapper	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language"	"Value = "en"	
			name	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "workSkillProperty.nameSuffix.default"	"Value= "needed"	concat(/crewTypes/crewType,workSkillProperty.nameSuffix.default)

CrewTypeReplaceWorkSkillCond Mapping

OFS Get WorkSkillConditions Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_OFSCWorkSkillCond		Outermosttag	execute		Outermosttag			Put /rest/ofscMetadata/v1/workSkillConditions/
response-wrapper	\$Get_OFSCWorkSkillCond	Group	response-wrapper	execute	Group			
items	response-wrapper	Group	items	response-wrapper	Group			
internalId	items	String	internalId	items	String			
label	items	String	label	items	String			
requiredLevel	items	String	requiredLevel	items	String			
preferableLevel	items	String	preferableLevel	items	String			
conditions	items	Group	conditions	items	Group			
label	conditions	String	label	conditions	String			
function	conditions	String	function	conditions	String			
valueList	conditions	List	valueList	conditions	List			
value	conditions	String	value	conditions	String			
links	items	Group						
rel	links	String						
href	links	String						

GetAllWorkZones Mapping

OFS GetAllWorkZones Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			template		Outerm osttag				/rest/ ofscMetadata/ v1/workZones
			execute	template					

ControlZonesCreate Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				/rest/ ofscMetadata/ v1/workZones
response-wrapper	\$Get_AdminData	Group	request-wrapper	execute	Group				
controlZones	response-wrapper	Group							
name	controlZones		workZoneName	request-wrapper	String				
ncg	controlZones		workZoneLabel	request-wrapper	String				
			status	request-wrapper	String	OUTL-BRT- NMS_OFSC_ ConfigProps	PropertyName = "ofsc.workZone.d efault.status	"Value = "active"	
			travelArea	request-wrapper	String	OUTL-BRT- NMS_OFSC_ ConfigProps	PropertyName = "ofsc.workZone.d efault.travelArea	"Value = "sunrise_enterp rise"	

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
ncg	controlZones		keys	request-wrapper	Array of Strings			
			shapes	request-wrapper	Array of Strings			

ControlZonesReplace Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag	execute		/rest/ofscMetadata/v1/workZones/{workZoneName}
response-wrapper	\$Get_AdminData	Group	Template Parameters	execute	Group	request-wrapper		Group
controlZones	response-wrapper	Group						
ncg	controlZones		workZoneLabel	Template Parameters	String			
name	controlZones							
ncg	controlZones		workZoneName	request-wrapper	String			
			workZoneLabel	request-wrapper	String			

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			status	request-wrapper	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofsc.workZone.default.status"	"Value = "active"	
ncg	controlZones		travelArea	request-wrapper	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofsc.workZone.default.travelArea"	"Value = "sunrise_enterprise"	
			keys	request-wrapper	Array of Strings				
			shapes	request-wrapper	Array of Strings				

PickListEnvMapPutEvent Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/nms_event_type/ enumerationList /
response-wrapper	\$Get_AdminData	Group	request-wrapper	execute	Group				
picklistenvMap	response-wrapper	Group	items	request-wrapper	Array				

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
nestedArray	picklistenvMap	Array							
nestedArrayItem[1]	nestedArray	Array of String	label	items	String				
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default	"Value = "true"	
			translations	items	Array				
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language	"Value = "en"	
			name	translations	String				

PickListEnvMapPutEnum Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
\$Get_AdminData		Outerm osttag	execute		Outerm osttag				Put /rest/ofscMetadata/v1/properties/nms_eventType_category/enumerationList /
response-wrapper	\$Get_AdminData	Group	request-wrapper	execute	Group				

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
picklistenvMap	response-wrapper	Group	items	request-wrapper	Array			
nestedArray	picklistenvMap	Array						
nestedArrayItem[1]	nestedArray	Array of String	label	items	String			
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default	"Value = "true"
			translations	items	Array			
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language	"Value = "en"
nestedArrayItem[2]	nestedArray	Array of String	name	translations	String			

CustomerTypePopulate Mapping

NMS Get Admin Data Response Message			OFS Metadata API Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
\$Get_AdminData		Outerm osttag	execute		Outerm osttag			Put /rest/ofscMetadata/v1/properties/nms_customer_types/enumerationList/
response-wrapper	\$Get_AdminData	Group	request-wrapper	execute	Group			
customerTypes	response-wrapper	Group	items	request-wrapper	Array			
nestedArray	customerTypes	Array						
nestedArrayItem[1]	nestedArray	Array of String	label	items	String			
			active	items	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "activeFlag.default	"Value = "true"
			translations	items	Array			
			language	translations	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "ofs.language	"Value = "en"
nestedArrayItem[2]	nestedArray	Array of String	name	translations	String			

Failed Equipment (Oracle Utilities Network Management System Initiated)

This section describes data mapping for the following:

- [Get Activity Details Mapping](#)
- [EventFailedEquipmentUpdate Mapping](#)

Get Activity Details Mapping

OIC Failed Equipment Request Message			Get Activity Details OFS Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
formSubmitted		Outerm osttag	canonical_GET		Outerm osttag			
forms.failed Equipment	formSubmitted	Group	Template Parameters	canonical_GET	Group			
activityDetails	forms.failedEquipment	Group						
activityId	activityDetails	Array	activityId	Template Parameters				

EventFailedEquipmentUpdate Mapping

OIC Failed Equipment Request Message			Get Activity Details OFS Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			execute		Outerm osttag			
			request-wrapper	execute	Group			

OIC Failed Equipment Request Message			Get Activity Details OFS Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
			topLevelArray	request-wrapper				
\$GetActivityDetailsResponse_activityId			activityId	topLevelArray				Mapped from Response of Get Activity Details \$GetActivityDetailsFromOFSC/canonical_GET Response/activities.definitionns.getActivitySchema/apptNumber
			event	topLevelArray				
			failedEquipment	event				
activityDetails			fields	failedEquipment				Applying templates for response from OFSC "formIdentifier/* eventType user time formDetails/*" for the logic checks for contains(local-name(), 'nms_') and performs "substring-after(local-name(), '_')"

Activity Process (Oracle Utilities Network Management System Initiated)

This section describes data mapping for the following:

- [callAsyncProcessor Mapping](#)
- [response Mapping](#)

callAsyncProcessor Mapping

NMS Request Message			OIC Activity Async Processor Request			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
execute		Outerm ostTag	POST		Outerm ostTag				
request_wrapper	execute	Group	request_wrapper	POST	Group				
header	request_wrapper	Group	header	request_wrapper	Group				
event	request_wrapper	Group	event	request_wrapper	Group				
activity	request_wrapper	Group	activity	request_wrapper	Group				

response Mapping

NMS Request Message			OIC Activity Async Processor			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
execute		Outerm ostTag	executeResponse		Outerm ostTag				
request_wrapper	execute	Group	request_wrapper	POST	Group				

NMS Request Message			OIC Activity Async Processor			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
header	request_wrapper	Group	error	request_wrapper	Group				
			value	request_wrapper	Group				
Message Id	header	Field	id	request_wrapper	Group				
			errorCode						
			errorTime						

On Error									
FaultObject			OIC Activity Async Processor			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
FaultObject		OutermostTag	error	request_wrapper	Group				
			errorCode	request_wrapper	Group				
			reason	request_wrapper	Group				
			details						
			errorCode						
			errorTime						

Activity Created (Oracle Field Service Cloud Initiated)

This section describes data mapping for the following:

- [Get OFS Activity Mapping](#)
- [Create Activity in NMS Mapping](#)
- [Update Activity in OFS Mapping](#)

Get OFS Activity Mapping

OIC ActivityCreated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	
notify_POST		Outerm osttag	canonical_GET		Outerm osttag			GET getActivity Details
activityEvent	notify_POST		Template Parameters	canonical_GET	Group			
activityChanges	activityEvent	Group						
travelTime	activityChanges	String						
status	activityChanges	String						
startTime	activityChanges	String						
activityDetails	activityEvent	Group						
activityId	activityDetails	String	activityId	TemplateParameters	String			
apptNumber	activityDetails	String						
date	activityDetails	String						
resourceId	activityDetails	String						
eventType	activityEvent	Group						
time	activityEvent	String						

OIC ActivityCreated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
user	activityEvent	String						

Create Activity in NMS Mapping

OIC ActivityCreated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
canonical_GETResponse		Outerm ostag	execute		Outerm ostag			POST /nms-ofs/rest/v1/activities/
activities.definitions.getActivitySchema	canonical_GETResponse	Group	request-wrapper	execute	Group			
			topLevelArray	request-wrapper	Group			
activityId	activities.definitions.getActivitySchema	Integer	externalId	topLevelArray	String			
			action	topLevelArray	String			"Create"
nms_event_id	activities.definitions.getActivitySchema	String	eventIdx	topLevelArray	String			
activityType	activities.definitions.getActivitySchema	String	type	topLevelArray	String			
teamResourceId	activities.definitions.getActivitySchema	String	crewId	topLevelArray	String			"Initial" or "Dispatched"
			state	topLevelArray	String			

Update Activity in OFS Mapping

OIC ActivityCreated Request Message			OFS Update Activity Details Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
notify_POST		Outerm osttag	update_PATCH		Outerm osttag			POST / ofscCore/v1/ activities/ {activityId}
activityEvent	notify_POST		Template Parameters	update_PATCH	Group			
activityDetails	activityEvent	Group						
activityId	activityDetails	String	activityId	TemplateParameters	Integer			

NMS CreateActivity Response Message			OFS Update Activity Details Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
executeResponse		Outerm osttag	activities. definitions.update ActivitySchema	update_PATCH	String			
response-wrapper	executeResponse	Group						
id	response-wrapper	Group						
Value	id	String	apptNumber	activities.definitions. updateActivity Schema				

Update Event Details (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [OFS Get Activity Details Mapping](#)
- [OFS Update Activity Details Mapping](#)
- [NMS Event Details Update Mapping](#)

OFS Get Activity Details Mapping

OFS Event Details Receive Message			OFS Get ActivityDetails Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
forms.eventDetails		Outerm osttag	canonical_GET		Outerm osttag			
activityDetails	forms.eventDetails	Group	Template Parameters	canonical_GET	Group			
activityId	activityDetails	Integer	activityId	TemplateParameters	Integer			

OFS Update Activity Details Mapping

OFSC Event Details Receive Message OFSC Get ActivityDetails Response Message			OFS Update ActivityDetails Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
forms.eventDetails		Outerm osttag	update_Patch		Outerm osttag			

OFSC Event Details Receive Message OFSC Get ActivityDetails Response Message			OFS Update ActivityDetails Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
activityDetails	forms.eventDetails	Group	Template Parameters	update_Patch	Group			
activityId	activityDetails	Integer	activityId	TemplateParameters	Integer			
canonical_ GETResponse		Outerm osttag						
activities.definitions. getActivitySchema	canonical_ GETResponse	Group	activities.definition s.updateActivity Schema	update_Patch	Group			
nms_event_id	activities.definitions .getActivitySchema	String	nms_REF-ID	activities.definitions. updateActivity Schema	String			

NMS Event Details Update Mapping

OFSC Event Details Receive Message OFSC Get ActivityDetails Response Message			NMS Event Details Update Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
canonical_ GETResponse		Outerm osttag	request-wrapper		Outerm osttag			
activities.definitions. getActivitySchema	canonical_ GETResponse	Group	topLevelArray		Group			
apptNumber	activities.definitions .getActivitySchema	String	activityId	topLevelArray	String			

OFSC Event Details Receive Message OFSC Get ActivityDetails Response Message			NMS Event Details Update Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
forms.eventDetails		Outerm osttag						
activityDetails	forms.eventDetails	Group						
			Event	topLevelArray	Group			
			Event Details	Event	Group			
			Details	Event Details	Group			
			Value	Details	Group			
concat('nms_', \$category, '_', lower- case(name))	forms.eventDetails	Field	Name	Value	String			In OFS, the element name is combination of nms_, nms_category_name and nms_field name. While mapping to NMS, nms_category_name is trimmed from the field name
v	forms.eventDetails	Field Value	V	Value	String			

Resource Created/Updated (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [Resource Created/Updated Mapping](#)
- [Get OFS Resource Mapping](#)
- [Get OFS Resource Types Mapping](#)
- [Get OFS Resource Workskills Mapping](#)
- [Get OFS Workskill Details Mapping](#)
- [Get OFS Resource Work Zones Mapping](#)
- [Get OFS Resource Routes Mapping](#)
- [Get NMS System Data Mapping](#)
- [Upsert NMS Crew Mapping](#)

Resource Created/Updated Mapping

OIC ResourceCreated/Updated Request Message			DVM Mapping			Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column Oracle Field Service Column
notify_POST		Outerm osttag					
resourceEvent	notify_POST						
user	resourceEvent	String					
applicationId	resourceEvent	String					
time	resourceEvent	String					
eventType	resourceEvent	String					
resourceDetails	resourceEvent	Group					

OIC ResourceCreated/Updated Request Message						DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String						
name	resourceDetails	String						
resourceType	resourceDetails	String						
resourceChanges	resourceEvent	Group						
resourceId	resourceChanges	String						
organization	resourceChanges	String						
resourceInternalId	resourceChanges	String						
parentResourceInternalId	resourceChanges	String						
status	resourceChanges	String						
parentResourceId	resourceChanges	String						
resourceType	resourceChanges	String						
name	resourceChanges	String						
email	resourceChanges	String						
phone	resourceChanges	String						
language	resourceChanges	String						
languageISO	resourceChanges	String						
timeZoneDiff	resourceChanges	Integer						
timeZone	resourceChanges	String						
timeZoneIANA	resourceChanges	String						
dateFormat	resourceChanges	String						

OIC ResourceCreated/Updated Request Message			DVM Mapping			Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column Oracle Field Service Column
timeFormat	resourceChanges	String					
durationStatistics InitialRatio	resourceChanges	Double					
durationStatistics InitialPeriod	resourceChanges	Integer					
Resource_0x737063_ type	resourceChanges	String					
tech_photo	resourceChanges	Group					
links	tech_photo	Group					
rel	links	String					
href	links	String					
mediaType	links	String					
gender	resourceChanges	String					
credence	resourceChanges	String					
wam_resource_ address	resourceChanges	String					
wam_resource_ source	resourceChanges	String					
wam_resource_ lastUpdateDttm	resourceChanges	String					
nms_resource	resourceChanges	String					
common_utilities_ resource_code	resourceChanges	String					

Get OFS Resource Mapping

OIC ResourceCreated/Updated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
notify_POST		Outerm osttag	canonical_GET		Outerm osttag			GET Resource/ Get Resource
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group			
user	resourceEvent	String						
applicationId	resourceEvent	String						
time	resourceEvent	String						
eventType	resourceEvent	String						
resourceDetails	resourceEvent	Group						
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String	resourceId	TemplateParameters	String			
name	resourceDetails	String						
resourceType	resourceDetails	String						
resourceChanges	resourceEvent	Group						
resourceId	resourceChanges	String						
organization	resourceChanges	String						
resourceInternalId	resourceChanges	String						
parentResourceInternalId	resourceChanges	String						
status	resourceChanges	String						
parentResourceId	resourceChanges	String						

OIC ResourceCreated/Updated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
resourceType	resourceChanges	String						
name	resourceChanges	String						
email	resourceChanges	String						
phone	resourceChanges	String						
language	resourceChanges	String						
languageISO	resourceChanges	String						
timeZoneDiff	resourceChanges	Integer						
timeZone	resourceChanges	String						
timeZoneIANA	resourceChanges	String						
dateFormat	resourceChanges	String						
timeFormat	resourceChanges	String						
durationStatisticsInitialRatio	resourceChanges	Double						
durationStatisticsInitialPeriod	resourceChanges	Integer						
Resource_0x737063_type	resourceChanges	String						
tech_photo	resourceChanges	Group						
links	tech_photo	Group						
rel	links	String						
href	links	String						
mediaType	links	String						
gender	resourceChanges	String						

OIC ResourceCreated/Updated Request Message			OFSC GetActivity Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
credence	resourceChanges	String						
wam_resource_address	resourceChanges	String						
wam_resource_source	resourceChanges	String						
wam_resource_lastUpdateDttm	resourceChanges	String						
nms_resource	resourceChanges	String						
common_utilities_resource_code	resourceChanges	String						

Get OFS Resource Types Mapping

OFSC GetResourceType Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
canonical_GET		Outermosttag			GET /rest/ofscMetadata/v1/resourceTypes
TemplateParameters	canonical_GET	Group			
offset	TemplateParameters				if not passed = 0
limit	TemplateParameters				if not passed = 100

Get OFS Resource Workskills Mapping

OIC ResourceCreated/Updated Request Message			OFS GetResourceWorkSkills Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column	
notify_POST		Outerm osttag	canonical_GET		Outerm osttag				GET ofscCore/v1/resources/{resourceId}/workSkills
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group				
user	resourceEvent	String							
applicationId	resourceEvent	String							
time	resourceEvent	String							
eventType	resourceEvent	String							
resourceDetails	resourceEvent	Group							
resourceInternalId	resourceDetails	String							
resourceId	resourceDetails	String	resourceId	TemplateParameters	String				
name	resourceDetails	String							
resourceType	resourceDetails	String	QueryParameters	TemplateParameters					
resourceChanges	resourceEvent	Group	dateFrom	QueryParameters					current-dateTime YYYY-MM-DD - OFSC.timeZone Diff
resourceId	resourceChanges	String							
organization	resourceChanges	String							
resourceInternalId	resourceChanges	String							

OIC ResourceCreated/Updated Request Message			OFS GetResourceWorkSkills Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
parentResourceInternalId	resourceChanges	String						
status	resourceChanges	String						
parentResourceId	resourceChanges	String						
resourceType	resourceChanges	String						
name	resourceChanges	String						
email	resourceChanges	String						
phone	resourceChanges	String						
language	resourceChanges	String						
languageISO	resourceChanges	String						
timeZoneDiff	resourceChanges	Integer						
timeZone	resourceChanges	String						
timeZoneIANA	resourceChanges	String						
dateFormat	resourceChanges	String						
timeFormat	resourceChanges	String						
durationStatisticsInitialRatio	resourceChanges	Double						
durationStatisticsInitialPeriod	resourceChanges	Integer						
Resource_0x737063_type	resourceChanges	String						
tech_photo	resourceChanges	Group						

OIC ResourceCreated/Updated Request Message			OFS GetResourceWorkSkills Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
links	tech_photo	Group						
rel	links	String						
href	links	String						
mediaType	links	String						
gender	resourceChanges	String						
credence	resourceChanges	String						
wam_resource_address	resourceChanges	String						
wam_resource_source	resourceChanges	String						
wam_resource_lastUpdateDttm	resourceChanges	String						
nms_resource	resourceChanges	String						
common_utilities_resource_code	resourceChanges	String						

Get OFS Workskill Details Mapping

OFSC GetResourceWorkSkills Data Response Message			OFSC GetWorkSkillDetails Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column		Oracle Field Service Column
executeResponse		Outerm ostag	execute		Outerm ostag				GET ofscCore/v1/resources/{resourceId}/workSkills
response-wrapper	executeResponse	Group	Template Parameters	execute	Group				
items	response-wrapper	Group							
workSkill	items	String	workSkillId	TemplateParameters	String				
ratio	items	String							
startDate	items	String							
totalResults	response-wrapper	Group							
links	response-wrapper	Group							
rel	links	String							
href	links	String							

Get OFS Resource Work Zones Mapping

OIC Resource Created/Updated Request Message			OFS Get Resource Work Skills Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column		Oracle Field Service Column
notify_POST		Outerm osttag	canonical_GET		Outerm osttag				GET Resource/ Get Resource Work Zones
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group				
user	resourceEvent	String							
applicationId	resourceEvent	String							
time	resourceEvent	String							
eventType	resourceEvent	String							
resourceDetails	resourceEvent	Group							
resourceInternalId	resourceDetails	String							
resourceId	resourceDetails	String	resourceId	TemplateParameters	String				
name	resourceDetails	String							
resourceType	resourceDetails	String							
resourceChanges	resourceEvent	Group							
resourceId	resourceChanges	String							
organization	resourceChanges	String							
resourceInternalId	resourceChanges	String							
parentResource InternalId	resourceChanges	String	QueryParameters	canonical_GET	Group				

OIC Resource Created/Updated Request Message			OFS Get Resource Work Skills Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
timeZoneDiff	resourceChanges	Integer	date	QueryParameters	String			current-dateTime YYYY-MM-DD - OFSC.timeZone Diff
status	resourceChanges	String						
parentResourceId	resourceChanges	String						
resourceType	resourceChanges	String						
name	resourceChanges	String						
email	resourceChanges	String						
phone	resourceChanges	String						
language	resourceChanges	String						
languageISO	resourceChanges	String						
timeZone	resourceChanges	String						
timeZoneIANA	resourceChanges	String						
dateFormat	resourceChanges	String						
timeFormat	resourceChanges	String						
durationStatisticsInitialRatio	resourceChanges	Double						
durationStatisticsInitialPeriod	resourceChanges	Integer						
Resource_0x737063_type	resourceChanges	String						
tech_photo	resourceChanges	Group						

OIC Resource Created/Updated Request Message			OFS Get Resource Work Skills Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
links	tech_photo	Group						
rel	links	String						
href	links	String						
mediaType	links	String						
gender	resourceChanges	String						
credence	resourceChanges	String						
wam_resource_address	resourceChanges	String						
wam_resource_source	resourceChanges	String						
wam_resource_lastUpdateDtm	resourceChanges	String						
nms_resource	resourceChanges	String						
common_utilities_resource_code	resourceChanges	String						

Get OFS Resource Routes Mapping

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
notify_POST		Outerm osttag	canonical_GET		Outerm osttag			GET / ofscCore/v1/ resources/ {resourceId}/ routes/{date}
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group			
user	resourceEvent	String						
applicationId	resourceEvent	String						
time	resourceEvent	String						
eventType	resourceEvent	String						
resourceDetails	resourceEvent	Group						
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String	resourceId	TemplateParameters	String			
name	resourceDetails	String						
resourceType	resourceDetails	String						
resourceChanges	resourceEvent	Group						
resourceId	resourceChanges	String						
organization	resourceChanges	String						
resourceInternalId	resourceChanges	String						
parentResource InternalId	resourceChanges	String	QueryParameters	canonical_GET	Group			

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
timeZoneDiff	resourceChanges	Integer	date	TemplateParameters	String			current-dateTime YYYY-MM-DD - OFSC.timeZone Diff
status	resourceChanges	String						
parentResourceId	resourceChanges	String						
resourceType	resourceChanges	String						
name	resourceChanges	String						
email	resourceChanges	String						
phone	resourceChanges	String						
language	resourceChanges	String						
languageISO	resourceChanges	String						
timeZone	resourceChanges	String						
timeZoneIANA	resourceChanges	String						
dateFormat	resourceChanges	String						
timeFormat	resourceChanges	String						
durationStatisticsInitialRatio	resourceChanges	Double						
durationStatisticsInitialPeriod	resourceChanges	Integer						
Resource_0x737063_type	resourceChanges	String						
tech_photo	resourceChanges	Group						

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
links	tech_photo	Group						
rel	links	String						
href	links	String						
mediaType	links	String						
gender	resourceChanges	String						
credence	resourceChanges	String						
wam_resource_address	resourceChanges	String						
wam_resource_source	resourceChanges	String						
wam_resource_lastUpdateDtm	resourceChanges	String						
nms_resource	resourceChanges	String						
common_utilities_resource_code	resourceChanges	String						

Get NMS System Data Mapping

OIC Get Admin Data Request Message			NMS GetAdmin Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String	resourceId	TemplateParameters	String			

OIC Get Admin Data Request Message			NMS GetAdmin Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column	
			execute		Outerm osttag				GET /nms-ofs/rest/v1/admin/

Upsert NMS Crew Mapping

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column	
canonical_GETResponse		Outerm osttag	execute		Outerm osttag				POST GET /nms-ofs/rest/v1/crew
resources.definitions.resource	canonical_GETResponse		request_wrapper	execute	Group				
resourceId		String	crewName	request_wrapper	String				
phone		String	mobileNum	request_wrapper	String				
status		String	isActive	request_wrapper	Boolean				if status = 'active' --> true

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
			timeActivated	request_wrapper	String			If status = 'active', then timeActivated = current-dateTime in epoch format. Else, timeDeactivated = current-dateTime in epoch format.
			timeDeactivated	request_wrapper	String			
nms_crew_size		Integer	crewSize	request_wrapper	Integer			
OFSC GetWorkSkillDetails Response Message								
executeResponse		Outerm osttag						
response-wrapper	executeResponse	Group						
name	response-wrapper	String	crewType	request_wrapper	String			If not empty
OFSC GetResourceRoute Response Message								
executeResponse		Outerm osttag						
response-wrapper	executeResponse	Group						

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
routeStartTime	response-wrapper	String	timeOnShift	request_wrapper	String			
routeEndTime	response-wrapper	String	timeOnShift	request_wrapper	String			
routeReactivationTime	response-wrapper	String	timeOnShift	request_wrapper	String			If incoming routeEndTime then timeOffShift = routeEndTime in epoch format. Else if incoming routeReactivationTime then timeOnShift = routeReactivationTime in epoch format, else if incoming routeStartTime then timeOnShift = routeStartTime in epoch format else timeOffShift = current-dateTime in epoch format.
OFSC GetResourceWorkSkills Request Message								
workZonesResponse		Outerm ostag						
getResourceWorkZones	workZonesResponse	Group						
items	getResourceWorkZones	Array						
workzone	items	String	zoneHdlIdx	request_wrapper	String			

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping				Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column		
NMS Get Admin Data Response Message										
\$Get_AdminData		Outerm ostag								
response-wrapper	\$Get_AdminData	Group								
controlZones	response-wrapper	Group								
name	controlZones	String	zoneName	request_wrapper	String					If 'workzone' found
ncg	controlZones	Integer								
ncgClass	controlZones	Integer	zoneHdlCls	request_wrapper	Integer					If 'workzone' found
			outOfRange	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.outOfRange"			Value = "true"
			isAvailForOp	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.isAvailForOp"			Value = "true"
			isMobileIntegrated	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.outOfRange"			Value = "true"

Update Activity (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [OFSCActEvtnt2GetActDetails Mapping](#)
- [NMSUpdateEvent Mapping](#)
- [NMSUpdateActivity\(STARTorSUS\) Mapping](#)
- [NMSUpdateEvent\(CMP\) Mapping](#)
- [NMSUpdateActivity\(CMP\) Mapping](#)
- [NMSUpdateEvent\(CNlorNOTDONE\) Mapping](#)
- [NMSUpdateActivity\(CNlorNOTDONE\) Mapping](#)
- [OFSCActReceive2GetRsrcType Mapping](#)
- [NMSUpdateActivity\(MOVED\) Mapping](#)

OFSCActEvtnt2GetActDetails Mapping

OFS Activity Event Receive Message			OFS Get ActivityDetails Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	
notify_POST		Outerm osttag	canonical_GET		Outerm osttag			
events.definitions. activityEvent	notify_POST	Group	Template Parameters	canonical_GET	Group			
activityDetails	events.definitions. activityEvent	Group						
activityId	activityDetails	String	activityId	TemplateParameters	String			

NMSUpdateEvent Mapping

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Event Request Message (If Activity Updated)			DVM Mapping		Oracle Utilities Network Management System Column	Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column		
notify_POST		Outerm osttag	Request -Wrapper		Outerm osttag				
events.definitions. activityEvent	notify_POST	Group	topLevelArray	Request-Wrapper	Group				
activityDetails	events.definitions. activityEvent	Group							
apptNumber	activityDetails	String	activityId	topLevelArray	Field				
resourceid	activityDetails	String	crewId	topLevelArray	Field				
activityChanges	events.definitions. activityEvent	Group			Group				
			event	topLevelArray	Group				
nms_event_actual RestoreTime	activityChanges	String	restoreTime	Event	Field				
nms_event_estimate dRestoreTime	activityChanges	String	ert	Event	Field				
nms_event_operator Comment	activityChanges	String	operatorComment	Event	Field				
nms_device_ confirmation	activityChanges	String	device Confirmation	topLevelArray	Field				
nms_restoration	activityChanges	String	restoration	topLevelArray	Field				Hardcode to "true" when nms_restoration =1. Else "False"

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Event Request Message (If Activity Updated)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
canonical_GETResponse		Outerm osttag						
activities.definitions.getActivitySchema	canonical_GETResponse	Group						
nms_deviceAlias	activities.definitions.getActivitySchema	String	deviceAlias	Top-level Array/Event				
			ConnectivityProperties					
			RestAPI	Connectivity Properties				
nms_instanceId	activities.definitions.getActivitySchema	String	BaseURI	RestAPI		OUTL-BRT-NMS_OFSC_InstanceIDToBucket	NMS_InstanceID, NMS_InstanceURL	

NMSUpdateActivity(STARTorSUS) Mapping

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Started/Suspended)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
notify_POST		Outerm osttag	request-wrapper		Outerm osttag			

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Started/Suspended)			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column	
events.definitions. activityEvent	notify_POST	Group	topLevelArray	Request-Wrapper	Group				
eventType	events.definitions. activityEvent	String	State	topLevelArray	Field	OUTL-BRT- NMS_OFSC_ ActivityStatus	OFSC_ EventType	NMS_Activity Status	
activityDetails	events.definitions. activityEvent	Group							
resourceId	activityDetails	String	Crew Id	topLevelArray	Field				
canonical_GET Response		Outerm osttag							
activities.definitions. getActivitySchema	canonical_ GETResponse	Group							
activityType	activities.definitions .getActivitySchema	String	type	topLevelArray	Field				
apptNumber	activities.definitions .getActivitySchema	String	id	topLevelArray	Field				
activityId	activities.definitions .getActivitySchema	String	externalId	topLevelArray	Field				
			Connectivity Properties						
			RestAPI	Connectivity Properties					

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Started/Suspended)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
nms_instanceId	activities.definitions.getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT-NMS_OFSC_InstanceIDToBucket		NMS_InstanceID, NMS_InstanceURL

NMSUpdateEvent(CMP) Mapping

OFSC Get ActivityDetails Response Message Event Details(var) Failed Equipment Details(var)			NMS Update Event Request Message (Activity Completed)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
canonical_GETResponse		Outerm osttag	request-wrapper		Outerm osttag			
activities.definitions.getActivitySchema	canonical_GETResponse	Group	topLevelArray		Group			
resourceId	activities.definitions.getActivitySchema	String	crewId	topLevelArray	Field			
apptNumber	activities.definitions.getActivitySchema	String	activityId	topLevelArray	Field			
nms_event_actualRestoreTime	activities.definitions.getActivitySchema	String	restoration	topLevelArray	Field			Hard code to "true" if nms_event_actualRestoreTime !="

OFSC Get ActivityDetailsResponseMessage Event Details(var) Failed Equipment Details(var)			NMS Update Event Request Message (Activity Completed)			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column	
			cancellation	topLevelArray	Field				Hard code to "false"
nms_cancel_reason	activities.definitions.getActivitySchema	String	cancelReason	topLevelArray	Field				
			event	topLevelArray	Group				
nms_event_id	activities.definitions.getActivitySchema	String	id	event	Field				
nms_deviceAlias	activities.definitions.getActivitySchema	String	deviceAlias	event	Field				
nms_event_phases	activities.definitions.getActivitySchema	String	phases	event	Field				
nms_feederName	activities.definitions.getActivitySchema	String	feederName	event	Field				
nms_event_actualRestoreTime	activities.definitions.getActivitySchema	String	restoreTime	event	Field				
nms_event_estimateRestoreTime	activities.definitions.getActivitySchema	String	ert	event	Field				
nms_event_operatorComment	activities.definitions.getActivitySchema	String	operatorComment	event	Field				
eventDetails(var)		Group	eventDetails	event	Group				
details	eventDetails	Group	details	eventDetails	Group				Iterate for each eventDetails details values
v	details	String	v	details	Field				

OFSC Get ActivityDetailsResponseMessage Event Details(var) Failed Equipment Details(var)			NMS Update Event Request Message (Activity Completed)			DVM Mapping		Oracle Utilities Network Management System Column	Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column		
name	details	String	name	details	Field				
failedEquipment (Var)		Group	failedEquipment	event	Group				Iterate for each failedEquipment fields values
fields	failedEquipment	Group	fields	faileEquipment	Group				
v	fields	String	v	fields	Field				
name	fields	String	name	fields	Field				
			Connectivity Properties		Group				
			RestAPI	Connectivity Properties	Group				
nms_instanceId	activities.definitions.getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT-NMS_OFSC_InstanceIDToBucket		NMS_Instance ID, NMS_Instance URL	

NMSUpdateActivity(CMP) Mapping

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message"			NMS Update Activity Request Message (Activity Completed)			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column	
notify_POST		Outerm osttag	request-wrapper		Outerm osttag				
events.definitions.activityEvent	notify_POST	Group	topLevelArray	Request-Wrapper	Group				
eventType	events.definitions.activityEvent	String	State	topLevelArray	Field	OUTL-BRT-NMS_OFSC_ActivityStatus	OFSC_EventType	NMS_ActivityStatus	
activityDetails	events.definitions.activityEvent	Group							
activityId	activityDetails	String	externalId	topLevelArray	Field				
resourceId	activityDetails	String	Crew Id	topLevelArray	Field				
apptNumber	activityDetails	String	id	topLevelArray	Field				
eventType	events.definitions.activityEvent	String	action	topLevelArray	Field	OUTL-BRT-NMS_OFSC_ActivityStatus	OFSC_EventType	NMS_ActionCode	
canonical_GET Response		Outerm osttag							
activities.definitions.getActivitySchema	canonical_GET Response	Group							
			ConnectivityProperties		Group				
			RestAPI	Connectivity Properties	Group				

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message"			NMS Update Activity Request Message (Activity Completed)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
nms_instanceId	activities.definitions.getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT-NMS_OFSC_InstanceIDToBucket		NMS_InstanceID, NMS_InstanceURL

NMSUpdateEvent(CNLorNOTDONE) Mapping

OFS GetActivityDetails Response Message			NMS Update Event Request Message (Activity Cancelled/NotDone)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
canonical_GET Response		Outerm ostag	request-wrapper		Outerm ostag			
activities.definitions.getActivitySchema	canonical_GETResponse	Group	topLevelArray		Group			
resourceId	activities.definitions.getActivitySchema	String	crewId	topLevelArray	Field			
apptNumber	activities.definitions.getActivitySchema	String	activityId	topLevelArray	Field			
			cancellation	topLevelArray	Field			Hard code to "false"
nms_cancel_reason	activities.definitions.getActivitySchema	String	cancelReason	topLevelArray	Field			

OFS GetActivityDetails Response Message			NMS Update Event Request Message (Activity Cancelled/NotDone)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
			Connectivity Properties		Group			
			RestAPI	Connectivity Properties	Group			
nms_instanceId	activities.definitions.getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT-NMS_OFSC_InstanceIDToBucket		NMS_InstanceID, NMS_InstanceURL

NMSUpdateActivity(CNLorNOTDONE) Mapping

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Acticty Request Message (Activity Cancelled/NotDone)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
notify_POST		Outerm ostag	request-wrapper		Outerm ostag			
events.definitions.activityEvent	notify_POST	Group	topLevelArray	Request-Wrapper	Group			
eventType	events.definitions.activityEvent	String	State	topLevelArray	Field	OUTL-BRT-NMS_OFSC_ActivityStatus	OFSC_EventType	NMS_ActivityStatus

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Acticty Request Message (Activity Cancelled/NotDone)			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column	
activityDetails	events.definitions.a ctivityEvent	Group							
activityId	activityDetails	String	externalId	topLevelArray	Field				
resourceId	activityDetails	String	crew Id	topLevelArray	Field				
apptNumber	activityDetails	String	id	topLevelArray	Field				
eventType	events.definitions. activityEvent	String	action	topLevelArray	Field	OUTL-BRT- NMS_OFSC_ ActivityStatus	OFSC_EventTyp e	NMS_ActionC ode	
canonical_GET Response		Outerm osttag							
activities.definitions. getActivitySchema	canonical_GET Response	Group							
			Connectivity Properties		Group				
			RestAPI	Connectivity Properties	Group				
nms_instanceId	activities.definitions .getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT- NMS_OFSC_ InstanceIDTo Bucket		NMS_Instance ID, NMS_Instance URL	

OFSCActReceive2GetRsrcType Mapping

OFS Activity Event Receive Message			OFSC Get Resource Type Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
notify_POST		Outerm osttag	canonical_GET		Outerm osttag			
events.definitions. activityEvent	notify_POST	Group	Template Parameters	canonical_GET	Group			
activityChanges	events.definitions. activityEvent	Group						
resourceId	activityChanges	String	resourceId	TemplateParameters	String			

NMSUpdateActivity(MOVED) Mapping

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Moved)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
notify_POST		Outerm osttag	request-wrapper		Outerm osttag			
events.definitions.acti vityEvent	notify_POST	Group	topLevelArray	Request-Wrapper	Group			
activityChanges	events.definitions.a ctivityEvent	Group						

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Moved)			DVM Mapping		Oracle Utilities Network Management System Column	Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column		
			state	topLevelArray	Field			Map with the variable 'crewStaus' . (**crewStaus is 'DISPATCHED' or 'NO_CREW' depending on the resourceType**)	
resourceId	activityChanges	String	crew Id	topLevelArray	Field			Map resourceId if crewStatus = 'DISPATCHED'	
canonical_GETResponse		Outerm osttag							
activities.definitions.getActivitySchema	canonical_GETResponse	Group							
activityId	activities.definitions.getActivitySchema	String	externalId	topLevelArray	Field				
apptNumber	activities.definitions.getActivitySchema	String	id	topLevelArray	Field				
activityType	activities.definitions.getActivitySchema	String	type	topLevelArray	Field				
			Connectivity Properties		Group				
			RestAPI	Connectivity Properties	Group				

OFS Activity Event Receive Message OFS Get ActivityDetails Response Message			NMS Update Activity Request Message (Activity Moved)			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Field Service Column	Oracle Utilities Network Management System Column
nms_instanceId	activities.definitions .getActivitySchema	String	BaseURI	RestAPI	Field	OUTL-BRT- NMS_OFSC_ InstanceIDTo Bucket		NMS_Instance ID, NMS_Instance URL

Activity Async Processor (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [GetEventTypeCategory Mapping](#)
- [GetResourceTimeZone Mapping](#)
- [invokeOFSCActivity Mapping](#)
- [searchActivities Mapping](#)
- [replaceLink Mapping](#)
- [sendToCommonErrorHandler Mapping](#)
- [sendAckMessage Mapping](#)
- [invokeCancelOFSCActivity Mapping](#)

GetEventTypeCategory Mapping

OFSC GetEventTypeCategory Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column
Template Parameters		OutermostTag			GET /ofscMetadata/v1/properties/nms_eventType_category/enumerationList

GetResourceTimeZone Mapping

OFSC GetResourceTimeZone Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
Template Parameters		OutermostTag				
Template Parameters		Group				
resourceId	Template Parameters	Group	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName	ofsc.bucket	Map the OFS bucker name from OUTL-BRT-NMS_OFSC_ConfigProps dvm

invokeOFSCActivity Mapping

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
activities		OutermostTag	bulkUpdate_POST		OutermostTag				
			activities.definitions.customActionActivityBulkUpdateSchema	bulkUpdate_POST	Group				
			updateParameters	activities.definitions.customActionActivityBulkUpdateSchema	Group				
			activities	activities.definitions.customActionActivityBulkUpdateSchema	List				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			identifyActivityBy	updateParameters	string				
			ifInFinalStatus Then	updateParameters	string				
			ifExistsThenDo NotUpdateFields	updateParameters	string				
					string				
id	activities	Number	apptNumber	activities	string				
controlZone[1..10]	event	Group							
crewId	activities	String	resourceId	activities	string	OUTL-BRT-NMS_OFSC_InstanceIDTo Bucket	NMS_InstanceID	OFSC_BucketID	
			date	activities	string	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName="ofsc.isScheduledForPreAssignedCrew"	Value "true"	
instanceId	activities	String	nms_instanceId	activities	string				
type	activities	String	activityType	activities	string	OUTL-BRT-NMS_OFSC_ActivityType	NMS_ActivityType	OFSC_ActivityType	
controlZone[1..10]	event	Group				OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName="ofsc.workZone.default.FuzzyType"	Value "NO_OUTAGE"	
ncg	controlZone[1..10]	String	nms_control_zone_key	activities	string	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName="ofsc.controlZone"	Value "	

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
state	activities	String							
value	activities	String	status	activities	string	OUTL-BRT-NMS_OFSC_ActivityStatusChange	PropertyName="OFSC_ActivityStatusNew"	Value	
			nms_activity_suspended	activities	string				
longitude	activities/coordinates	String	longitude	activities	string				
latitude	activities/coordinates	String	latitude	activities	string				
		String	common_utilities_product_code	activities	string	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName	Value	
serviceArea	activities	String	nms_serviceArea	activities	string				
dispAddress	event	String	streetAddress	activities	string				
comment	activities	String	nms_activity_comments	activities	string				
id	event	String	nms_event_id	activities	string				
active	event	String	nms_event_status	activities	string				
type	event	String	nms_event_type	activities	string				
deviceAlias	event	String	nms_deviceAlias	activities	string				
nms_deviceLocation	event	String	location	activities	string				
nms_event_phases	event	String	phases	activities	string				
nms_feederName	event	String	feederName	activities	string				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
beginTime	event	String	nms_event_beginTime	activities	string	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName	Value	
firstCallTime	event	String	nms_event_firstCallTime	activities	string	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName	Value	
restoreTime	event	String	nms_event_actualRestoreTime	activities	string				
value	event/ert	String	nms_event_estimatedRestoreTime	activities	string				
numCustOut	event	String	nms_numCustOut	activities	string				
critCCustOut	event	String	nms_critCCustOut	activities	string				
nms_critDCustOut	event	String	critDCustOut	activities	string				
nms_critKCustOut	event	String	critKCustOut	activities	string				
nms_numCalls	event	String	numCalls	activities	string				
nms_userNumCustOut	event	String	userNumCustOut	activities	string				
nms_weightedNumCustOut	event	String	weightedNumCustOut	activities	string				
numLifeSupport	event	String	nms_numLifeSupport	activities	string				
priority	event	String	nms_priority	activities	string				
description	event	String	nms_event_desc	activities	string				
troubleCodeDesc	event	String	nms_event_troubleCodeDesc	activities	string				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
cause	event	String	nms_event_cause	activities	string				
jobComments	event	String	nms_event_jobComments	activities	string				
dispAddress	event	String	nms_event_dispAddress	activities	string				
daStatus	event	String	nms_event_daStatus	activities	string				
troubleQueue	event	String	nms_event_troubleQueue	activities	string				
latitude	event/coordinates	String	nms_event_latitude	activities	string				
		String	nms_activity_ofscupdate	activities	string				
		String	nms_event_category	activities	string				
			nms_event_incidents1	activities	string				
			nms_event_incidents2	activities	string				
			nms_event_incidents3	activities	string				
			nms_event_incidents4	activities	string				
	nms_event_incidents5	activities	string						
longitude	event/coordinates	String	nms_event_longitude	activities	string				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
v	event/ eventDetails/ details/value	String	{concat('nms_', \$category, '_', lower- case(nssrcdf:name))}	activities	string				
v	event/ failedEquipment/ fields/value	String	{concat('nms_', nssrcdf:name)}	activities	string				
			position	activities	string	OUTL-BRT- NMS_OFSC_ ConfigProps	PropertyName=" ofsc.setPositionIn Route"	Value "notOrdered"	

searchActivities Mapping

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
/orders			QueryParameters						
			searchInField	QueryParameters	String				
id	event	String	searchForValue	QueryParameters	String				
			dateFrom	QueryParameters	String				
			dateTo	QueryParameters	String				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
/orders/complete			QueryParameters						
			searchInField	QueryParameters	String				
id	activities	String	searchForValue	QueryParameters	String				
			dateFrom	QueryParameters	String				
			dateTo	QueryParameters	String				
			fields	QueryParameters	String				
			offset	QueryParameters	String				
			limit	QueryParameters	String				

replaceLink Mapping

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			Template Parameters						
activityId	\$searchResult/items		activityId	TemplateParameters	String				
activityId	\$activityResponseData/otherData		linkedActivityId	TemplateParameters	String				

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
activities.linktype			linkType	TemplateParameters	String	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName	Value	

sendToCommonErrorHandler Mapping

NMS Request Message			OFSC Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Network Management System Column	Oracle Field Service Column	
			POST		OutermostTag				
			request-wrapper	POST	Group				
			faultMessage	request-wrapper	Group				
			reason	faultMessage	Field				
			code	faultMessage	Field				
instanceId			instanceId	faultMessage	Field				
			syncErrorAppName	faultMessage	Field	OUTL-BRT-NMS_OFSC_ConfigProps	notification.type.email	Value	
\$errorVar			details	faultMessage	Field				
			notificationTypes	faultMessage	Field				
			type	faultMessage	Field				
flowname+version			flowName	faultMessage	Field				

sendAckMessage Mapping

NMS Request Message			OIC Activity Async Processor Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM	Oracle Utilities Network Management System Column	Oracle Field Service Column
execute		Outermost Tag	executeResponse		Outermost Tag			
request_wrapper	execute	Group	request_wrapper	POST	Group			
header	request_wrapper	Group	errors	request_wrapper	Group			
			error	errors	List			
			value	error	Field			
			id	error	Field			
			errorCode	error	Field			
			errorTime	error	Field			
Message Id	header	Field	Message Id	request_wrapper	Field			
			Ack Type	request_wrapper	Field			
			When	request_wrapper	Field			
On Error								
FaultObject			OIC Activity Async Processor Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM	Oracle Utilities Network Management System Column	Oracle Field Service Column
FaultObject		Outermost Tag	executeResponse		Outermost Tag			
errorCode			request_wrapper	POST	Group			
reason			errors	request_wrapper	Group			
details			error	errors	List			

NMS Request Message			OIC Activity Async Processor Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM	Oracle Utilities Network Management System Column	Oracle Field Service Column
			value	error	Field			
			id	error	Field			
			errorCode	error	Field			
			errorTime	error	Field			
			Message Id	request_wrapper	Field			
			Ack Type	request_wrapper	Field			
			When	request_wrapper	Field			

invokeCancelOFSCActivity Mapping

NMS Request Message			OFSC Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM	Oracle Utilities Network Management System Column	Oracle Field Service Column
topLevelArray		Outermost Tag	bulkUpdate_POST		OutermostTag			
			activities.definitions.customActionActivityBulkUpdateSchema	bulkUpdate_POST	Group			
			updateParameters	activities.definitions.customActionActivityBulkUpdateSchema	Group			

NMS Request Message			OFSC Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM	Oracle Utilities Network Management System Column	Oracle Field Service Column
			activities	activities.definitions.customActionActivityBulkUpdateSchema	List			
			identifyActivityBy	updateParameters	string			
			ifInFinalStatusThen	updateParameters	string			
			ifExistsThenDoNotUpdateFields	updateParameters	string			
			resourceId	activities	string			
			accessSchedule	activities	string			
			resourceInternalId	activities	integer			
			date	activities	string			
id	activities	Field	apptNumber	activities	string			
			status	activities	string			
			nms_cancelledby	activities	string			

Resources Sync (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [Get NMS System Data Mapping](#)
- [Get OFSC Resource Type Mapping](#)
- [Resource Created/Updated Mapping](#)
- [Get OFS Resources Mapping](#)
- [Get OFS Resource Workskills Mapping](#)
- [Get OFSC Workskill Details Mapping](#)
- [Get OFSC Resource Route Mapping](#)
- [Upsert NMS Crew Mapping](#)

Get NMS System Data Mapping

OIC Get Admin Data Request Message			NMS GetAdmin Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
			execute		Outerm osttag			GET /nms- ofs/rest/v1/ admin/

Get OFSC Resource Type Mapping

OFSC GetResourceType Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
canonical_GET		Outermosttag			GET /rest/ofscMetadata/v1/resourceTypes

OFSC GetResourceType Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
TemplateParameters	canonical_GET	Group			
offset	TemplateParameters				if not passed = 0
limit	TemplateParameters				if not passed = 100

Resource Created/Updated Mapping

OIC ResourceCreated/Updated Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
notify_POST		Outermosttag			
resourceEvent	notify_POST				
user	resourceEvent	String			
applicationId	resourceEvent	String			
time	resourceEvent	String			
eventType	resourceEvent	String			
resourceDetails	resourceEvent	Group			
resourceInternalId	resourceDetails	String			
resourceId	resourceDetails	String			
name	resourceDetails	String			
resourceType	resourceDetails	String			
resourceChanges	resourceEvent	Group			

OIC ResourceCreated/Updated Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
resourceId	resourceChanges	String			
organization	resourceChanges	String			
resourceInternalId	resourceChanges	String			
parentResourceInternalId	resourceChanges	String			
status	resourceChanges	String			
parentResourceId	resourceChanges	String			
resourceType	resourceChanges	String			
name	resourceChanges	String			
email	resourceChanges	String			
phone	resourceChanges	String			
language	resourceChanges	String			
languageISO	resourceChanges	String			
timeZoneDiff	resourceChanges	Integer			
timeZone	resourceChanges	String			
timeZoneIANA	resourceChanges	String			
dateFormat	resourceChanges	String			
timeFormat	resourceChanges	String			
durationStatisticsInitialRatio	resourceChanges	Double			
durationStatisticsInitialPeriod	resourceChanges	Integer			
Resource_0x737063_type	resourceChanges	String			

OIC ResourceCreated/Updated Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column	
tech_photo	resourceChanges	Group				
links	tech_photo	Group				
rel	links	String				
href	links	String				
mediaType	links	String				
gender	resourceChanges	String				
credence	resourceChanges	String				
wam_resource_address	resourceChanges	String				
wam_resource_source	resourceChanges	String				
wam_resource_lastUpdateDttm	resourceChanges	String				
nms_resource	resourceChanges	String				
common_utilities_resource_code	resourceChanges	String				
nms_crew_size	resourceChanges	Integer				

Get OFS Resources Mapping

OFSC GetActivity Data Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	DVM Name	PropertyName	Value	
get_0x737063__0x736c68_rest_0x736c68_ofscCore_0x736c68_v1_0x736c68_resources		Outermosttag				GET Resource/Get Resources

OFSC GetActivity Data Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	DVM Name	PropertyName	Value	
QueryParameters	get_0x737063__0x736c68_rest_0x736c68_ofscCore_0x736c68_v1_0x736c68_resources	Group				
offset	QueryParameters	String				offset+limit
limit	QueryParameters	String	OUTL-BRT-NMS_OFSC_ConfigProps	ofsc.resourceDetail.loopLimit	100	default if not found = "100"

Get OFS Resource Workskills Mapping

OFS Resources Responses Message			OFSC GetResourceWorkSkills Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
get_0x737063__0x736c68_rest_0x736c68_ofscCore_0x736c68_v1_0x736c68_resources		Outermos ttag	canonical_GET		Outerm osttag			GET ofscCore/v1/resources/{resourceId}/workSkills
totalResults	get_...	Integer	Template Parameters	canonical_GET	Group			
offset	get_...	Integer						
limit	get_...	Integer						
items	get_...	String						
Resource_0x737063_type	items	String						
gender	items	String						

OFS Resources Responses Message			OFSC GetResourceWorkSkills Data Request Message			DVM Mapping				Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column		
credence	items	String								
wam_resource_address	items	String								
wam_resource_source	items	String								
wam_resource_lastUpdateDttm	items	String								
nms_resource	items	String								
common_utilities_resource_code	items	String								
timeZone	items	String								
timeZoneIANA	items	String								
email	items	String								
phone	items	String								
name	items	String								
resourceType	items	String								
resourceId	items	String	resourceId	TemplateParameters	String					
resourceInternalId	items	String								
dateFormat	items	String	QueryParameters	TemplateParameters						
status	items	String	dateFrom	QueryParameters					current-dateTime YYYY-MM-DD - OFSC.timeZoneDiff	

OFS Resources Responses Message			OFSC GetResourceWorkSkills Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
language	items	String							
parentResourceId	items	String							
timeFormat	items	String							
timeZoneDiff	items	Integer							
durationStatistics InitialRatio	items	Double							
durationStatistics InitialPeriod	items	Integer							
organization	items	String							
avatar	items	Group							
links	avatar	Group							
rel	links	String							
href	links	String							
mediaType	links	String							
nms_crew_size	items	Integer							
eventType		String							
resourceDetails		Group							
resourceInternalId		String							
resourceId		String							
name		String							
resourceType		String							
resourceChanges		Group							

OFS Resources Responses Message			OFSC GetResourceWorkSkills Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
parentResourceInternalId		String							
languageISO		String							

Get OFSC Workskill Details Mapping

OFSC GetResourceWorkSkills Data Response Message			OFSC GetWorkSkillDetails Data Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
executeResponse		Outermos ttag	execute		Outerm osttag				
response-wrapper	executeResponse	Group	Template Parameters	execute	Group				
items	response-wrapper	Group							
workSkill	items	String	workSkillId	TemplateParameters	String				
ratio	items	String							
startDate	items	String							
totalResults	response-wrapper	Group							
links	response-wrapper	Group							
rel	links	String							
href	links	String							

Get OFSC Resource Work Zones Mapping

OFS Resources Responses Message			OFSC GetResourceWorkZones Data Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
get_0x737063__0x736c68_rest_0x736c68_ofscCore_0x736c68_v1_0x736c68_resources	get_...	Outermos ttag	canonical_GET		Outerm osttag			GET Resource/Get Resources Work Zones
totalResults	get_...	Integer	Template Parameters	canonical_GET	Group			
offset	get_...	Integer						
limit	get_...	Integer						
items	items	String						
Resource_0x737063_type	items	String						
gender	items	String						
credence	items	String						
wam_resource_address	items	String						
wam_resource_source	items	String						
wam_resource_lastUpdateDttm	items	String						
nms_resource	items	String						
common_utilities_resource_code	items	String						
timeZone	items	String						

OFS Resources Responses Message			OFSC GetResourceWorkZones Data Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
timeZoneIANA	items	String							
email	items	String							
phone	items	String							
name	items	String							
resourceType	items	String							
resourceId	items	String	resourceId	TemplateParameters	String				
resourceInternalId	items	String							
dateFormat	items	String							
status	items	String							
language	items	String							
parentResourceId	items	String							
timeFormat	items	String	QueryParameters	canonical_GET	Group				
timeZoneDiff	items	Integer	date	TemplateParameters	String				current-dateTime YYYY-MM-DD - OFSC.timeZoneDiff
durationStatistics InitialRatio	items	Double							
durationStatistics InitialPeriod	items	Integer							
organization	items	String							
avatar	avatar	Group							

OFS Resources Responses Message			OFSC GetResourceWorkZones Data Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
links	links	Group							
rel	links	String							
href	links	String							
mediaType	items	String							
nms_crew_size		Integer							
eventType		String							
resourceDetails		Group							
resourceInternalId		String							
resourceId		String							
name		String							
resourceType		String							
resourceChanges		Group							
parentResourceInternalId		String							
languageISO		String							

Get OFSC Resource Route Mapping

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	
notify_POST		Outermos ttag	canonical_GET		Outerm osttag			GET / ofscCore/v1/resources/{resourceId}/routes/{date}
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group			
user	resourceEvent	String						
applicationId	resourceEvent	String						
time	resourceEvent	String						
eventType	resourceEvent	String						
resourceDetails	resourceEvent	Group						
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String	resourceId	TemplateParameters	String			
name	resourceDetails	String						
resourceType	resourceDetails	String						
resourceChanges	resourceEvent	Group						
resourceId	resourceChanges	String						
organization	resourceChanges	String						
resourceInternalId	resourceChanges	String						
parentResource InternalId	resourceChanges	String	QueryParameters	canonical_GET	Group			

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping				Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column		
timeZoneDiff	resourceChanges	Integer	date	TemplateParameters					current-dateTime YYYY-MM-DD - OFSC.timeZo neDiff	
status	resourceChanges	String								
parentResourceId	resourceChanges	String								
resourceType	resourceChanges	String								
name	resourceChanges	String								
email	resourceChanges	String								
phone	resourceChanges	String								
language	resourceChanges	String								
languageISO	resourceChanges	String								
timeZone	resourceChanges	String								
timeZoneIANA	resourceChanges	String								
dateFormat	resourceChanges	String								
timeFormat	resourceChanges	String								
durationStatistics InitialRatio	resourceChanges	Double								
durationStatistics InitialPeriod	resourceChanges	Integer								
Resource_0x737063_ type	resourceChanges	String								
tech_photo	resourceChanges	Group								

OIC ResourceCreated/Updated Request Message			OFSC GetResourceRoute Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
links	tech_photo	Group							
rel	links	String							
href	links	String							
mediaType	links	String							
gender	resourceChanges	String							
credence	resourceChanges	String							
wam_resource_address	resourceChanges	String							
wam_resource_source	resourceChanges	String							
wam_resource_lastUpdateDttm	resourceChanges	String							
nms_resource	resourceChanges	String							
common_utilities_resource_code	resourceChanges	String							

Upsert NMS Crew Mapping

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
canonical_GETResponse		Outermos ttag	execute		Outerm osttag				POST GET / nms-ofs/rest/v1/crew

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping		Comments	
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
resources.definitions.resource	canonical_GET Response		request_wrapper	execute	Group				
resourceId		String	crewName	request_wrapper	String				
phone		String	mobileNum	request_wrapper	String				
status		String	isActive	request_wrapper	Boolean				if status = 'active' --> true
			timeActivated	request_wrapper	String				If status = 'active', then timeActivated = current-dateTime in epoch format. Else, timeDeactivated = current-dateTime in epoch format.
			timeDeactivated	request_wrapper	String				
nms_crew_size		Integer	crewSize	request_wrapper	Integer				
OFSC GetWorkSkillDetails Response Message									
executeResponse		Outermos ttag							
response-wrapper	executeResponse	Group							
name	response-wrapper	String	crewType	request_wrapper	String				If not empty
OFSC GetResourceRoute Response Message									
executeResponse		Outermos ttag							
response-wrapper	executeResponse	Group							

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
routeStartTime	response-wrapper	String	timeOnShift	request_wrapper	String				If incoming routeEndTime then timeOffShift = routeEndTime in epoch format. Else, if incoming routeReactivationTime then timeOnShift = routeReactivationTime in epoch format. Else, if incoming routeStartTime then timeOnShift = routeStartTime in epoch format. Else, timeOffShift = current-dateTime in epoch format.
routeEndTime	response-wrapper	String	timeOnShift	request_wrapper	String				
routeReactivationTime	response-wrapper	String	timeOnShift	request_wrapper	String				

OFSC GetResourceWorkSkills Request Message		
workZonesResponse		Outermos ttag
getResourceWorkZones	workZones Response	Group

OFSC GetResourceDetail Response Message			NMS UpsertCrew Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
items	getResourceWorkZones	Array							
workzone	items	String	zoneHdlIdx	request_wrapper	String				
NMS Get Admin Data Response Message									
\$Get_AdminData		Outermost tag							
response-wrapper	\$Get_AdminData	Group							
controlZones	response-wrapper	Group							
name	controlZones	String	zoneName	request_wrapper	String				If 'workzone' found
ncg	controlZones	Integer							
ncgClass	controlZones	Integer	zoneHdlCls	request_wrapper	Integer				If 'workzone' found
			outOfRange	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.outOfRange"	Value = "true"	
			isAvailForOp	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.isAvailForOp"	Value = "true"	
			isMobileIntegrated	request_wrapper	Boolean	OUTL-BRT-NMS_OFSC_ConfigProps	PropertyName = "nms.crew.outOfRange"	Value = "true"	

Resources Route (Oracle Field Service Initiated)

This section describes data mapping for the following:

- [Resource Created/Updated Mapping](#)
- [Get OFSC Resource Mapping](#)
- [Put NMS Crew Shift Mapping](#)

Resource Created/Updated Mapping

OIC Resource Created/Updated Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
notify_POST		Outermosttag			
routeEvent	notify_POST				
user	routeEvent	String			
applicationId	routeEvent	String			
eventType	routeEvent	String			
routeDetails	routeEvent	Group			
resourceId	resourceDetails	String			
date	resourceDetails	String			
routeChanges	resourceEvent	Group			
activated	routeChanges	String			
deactivated	routeChanges	String			
reactivated	routeChanges	String			
travelingTime	routeChanges	String			
calendarTimeFrom	routeChanges	String			

OIC Resource Created/Updated Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management Column	Oracle Field Service Column
calendarTimeTo	routeChanges	String			
calendarPoints	routeChanges	String			
timeZone	routeChanges	String			

Get OFSC Resource Mapping

OIC Resource Created/Updated Request Message			OFSC GetResourceDetail Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
notify_POST		Outermos ttag	canonical_GET		Outerm osttag			GET Resource/Get Resource
resourceEvent	notify_POST		Template Parameters	canonical_GET	Group			
user	resourceEvent	String						
applicationId	resourceEvent	String						
time	resourceEvent	String						
eventType	resourceEvent	String						
resourceDetails	resourceEvent	Group						
resourceInternalId	resourceDetails	String						
resourceId	resourceDetails	String	resourceId	TemplateParameters	String			
name	resourceDetails	String						
resourceType	resourceDetails	String						

OIC Resource Created/Updated Request Message			OFSC GetResourceDetail Request Message			DVM Mapping			Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column	
resourceChanges	resourceEvent	Group							
resourceId	resourceChanges	String							
organization	resourceChanges	String							
resourceInternalId	resourceChanges	String							
parentResourceInternalId	resourceChanges	String							
status	resourceChanges	String							
parentResourceId	resourceChanges	String							
resourceType	resourceChanges	String							
name	resourceChanges	String							
email	resourceChanges	String							
phone	resourceChanges	String							
language	resourceChanges	String							
languageISO	resourceChanges	String							
timeZoneDiff	resourceChanges	Integer							
timeZone	resourceChanges	String							
timeZoneIANA	resourceChanges	String							
dateFormat	resourceChanges	String							
timeFormat	resourceChanges	String							
durationStatisticsInitialRatio	resourceChanges	Double							
durationStatisticsInitialPeriod	resourceChanges	Integer							

OIC Resource Created/Updated Request Message			OFSC GetResourceDetail Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
Resource_0x737063_	resourceChanges	String						
tech_photo	resourceChanges	Group						
links	tech_photo	Group						
rel	links	String						
href	links	String						
mediaType	links	String						
gender	resourceChanges	String						
credence	resourceChanges	String						
wam_resource_address	resourceChanges	String						
wam_resource_source	resourceChanges	String						
wam_resource_lastUpdateDttm	resourceChanges	String						
nms_resource	resourceChanges	String						
common_utilities_resource_code	resourceChanges	String						

Put NMS Crew Shift Mapping

OIC Resource Created/Updated Request Message			NMS UpsertCrew Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	
notify_POST		Outermos ttag	execute		Outerm osttag			PUT /nms-ofs/rest/v1/crews/{crewId}/shift
routeEvent	notify_POST		Template Parameters	execute	Group			
user	routeEvent	String	crewId	TemplateParameters	String			
applicationId	routeEvent	String	request_wrapper	execute				
eventType	routeEvent	String	onShift	request_wrapper	Boolean			True if routeEvent = 'route Activated'
routeDetails	routeEvent	Group	when	request_wrapper	String			Activated or deactivated datetime converted with timeZoneOffs et to 'Z'
resourceId	resourceDetails	String						
date	resourceDetails	String						
routeChanges	resourceEvent	Group						
activated	routeChanges	String						
deactivated	routeChanges	String						
reactivated	routeChanges	String						
travelingTime	routeChanges	String						

OIC Resource Created/Updated Request Message			NMS UpsertCrew Request Message			DVM Mapping		Comments
Element Name	Parent Element	Type	Element Name	Parent Element	Type	DVM Name	Oracle Utilities Work and Asset Management	Oracle Field Service Column
calendarTimeFrom	routeChanges	String						
calendarTimeTo	routeChanges	String						
calendarPoints	routeChanges	String						
timeZone	routeChanges	String						
OFSC GetResourceDetail Response Message								
canonical_ GETResponse		Outermos ttag						
resources.definitions. resource	canonical_ GETResponse							
timeZoneOffset		Integer						