

Oracle® Sales

API Reference Guide

Release 11i (11.5.9)

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Oracle Sales API Reference Guide, Release 11i

Part No. B10880-01

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Oracle Sales API Reference Guide, Release 11*i*

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Preface

Intended Audience

Welcome to Release 11*i* of the Oracle Sales API Reference Guide.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- [Oracle Sales](#) and Oracle TeleSales

If you have never used [Oracle Sales](#) products, Oracle suggests you attend one or more of the [Oracle Sales](#) training classes available through Oracle University.

- The Oracle Applications graphical user interface.

To learn more about the Oracle Applications graphical user interface, read the *Oracle Applications User's Guide*.

See [Other Information Sources](#) for more information about Oracle Applications product information.

This guide is aimed at the following users:

- System Administrators

How To Use This Guide

This document contains the information you need to work with Oracle Sales APIs.

Introduction to Oracle Sales Online

Oracle Sales Online is an HTML based application which provides sales managers, sales representatives, and sales executives assistance in managing their business

opportunities, customers, forecasting, incentive compensation, partners, and quotes. Oracle Sales Online enables the management of business data using the Trading Community Architecture (TCA) customer model. TCA enables Oracle Sales Online to support complex relationships which further allows users to provide exceptional service to customers. This application is integrated with Oracle TeleSales, Oracle Marketing Online, Oracle Partners Online, and Oracle Incentive Compensation.

Introduction to Oracle TeleSales

Oracle Telesales is designed for interaction center professionals, whether they are inbound or outbound telesagents. The E-Business Center within Oracle TeleSales offers a complete cross-application desktop for all Oracle call center applications. The E-Business Center provides elements of Service and Collections for an unparalleled customer view. Key functions include contact, lead, opportunity, quote, and order management; event registration; and collateral fulfillment.

- Chapter 1 covers the information needed to work with Oracle Sales APIs.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Standards will continue to evolve over time, and Oracle Corporation is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For additional information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation JAWS, a Windows screen reader, may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, JAWS may not always read a line of text that consists solely of a bracket or brace.

Other Information Sources

You can choose from many sources of information, including online documentation, training, and support services, to increase your knowledge and understanding of [Oracle Sales](#).

If this guide refers you to other Oracle Applications documentation, use only the Release 11*i* versions of those guides.

Online Documentation

All Oracle Applications documentation is available online (HTML or PDF). Online help patches are available on MetaLink.

Related Documentation

[Oracle Sales](#) shares business and setup information with other Oracle Applications products. Therefore, you may want to refer to other product documentation when you set up and use [Oracle Sales](#).

You can read the documents online by choosing Library from the expandable menu on your HTML help window, by reading from the Oracle Applications Document Library CD included in your media pack, or by using a Web browser with a URL that your system administrator provides.

If you require printed guides, you can purchase them from the Oracle Store at <http://oraclestore.oracle.com>.

Documents Related to All Products

Oracle Applications User's Guide

This guide explains how to enter data, query, run reports, and navigate using the graphical user interface (GUI) available with this release of [Oracle Sales](#) (and any other Oracle Applications products). This guide also includes information on setting user profiles, as well as running and reviewing reports and concurrent processes.

You can access this user's guide online by choosing "Getting Started with Oracle Applications" from any Oracle Applications help file.

Documents Related to This Product

Oracle Inventory User's Guide

This guide contains information about product features and functions for Oracle Inventory.

Oracle Marketing Online User Guide

This document is a printed compilation of the Oracle Marketing Online help system, including implementation information.

Oracle Marketing Online Encyclopedia User Guide

This document is a printed compilation of the Oracle Marketing Online Encyclopedia online help system.

Oracle Incentive Compensation User Guide

This document contains information about setting up and using Oracle Incentive Compensation.

Oracle Incentive Compensation Implementation Guide

This guide describes set up and configuration tasks required to implement Oracle Sales Compensation.

Oracle Partners Online User Guide

This document is a printed compilation of the Oracle Partners Online user guide.

Oracle Partners Online Implementation Guide

This guide describes set up and configuration tasks required to implement Oracle Partners Online.

Oracle CRM Application Foundation User Guide

This guide contains information on setting up and using Oracle CRM Application Foundation.

Oracle Quoting Implementation Guide

This manual describes how to implement Oracle Quoting.

Oracle HTML Quoting User Guide

This manual contains information on using Oracle HTML Quoting.

Oracle Sales Online Technical Reference Manual

This manual contains table and view descriptions for Oracle Sales Online.

Installation and System Administration

Oracle Applications Concepts

This guide provides an introduction to the concepts, features, technology stack, architecture, and terminology for Oracle Applications Release 11*i*. It provides a useful first book to read before an installation of Oracle Applications. This guide also introduces the concepts behind Applications-wide features such as Business Intelligence (BIS), languages and character sets, and Self-Service Web Applications.

Installing Oracle Applications

This guide provides instructions for managing the installation of Oracle Applications products. In Release 11*i*, much of the installation process is handled using Oracle Rapid Install, which minimizes the time to install Oracle Applications, the Oracle8 technology stack, and the Oracle8*i* Server technology stack by automating many of the required steps. This guide contains instructions for using Oracle Rapid Install and lists the tasks you need to perform to finish your installation. You should use this guide in conjunction with individual product user's guides and implementation guides.

Oracle Applications Supplemental CRM Installation Steps

This guide contains specific steps needed to complete installation of a few of the CRM products. The steps should be done immediately following the tasks given in the Installing Oracle Applications guide.

Upgrading Oracle Applications

Refer to this guide if you are upgrading your Oracle Applications Release 10.7 or Release 11.0 products to Release 11*i*. This guide describes the upgrade process and lists database and product-specific upgrade tasks. You must be either at Release 10.7 (NCA, SmartClient, or character mode) or Release 11.0, to upgrade to Release 11*i*. You cannot upgrade to Release 11*i* directly from releases prior to 10.7.

Maintaining Oracle Applications

Use this guide to help you run the various AD utilities, such as AutoUpgrade, AutoPatch, AD Administration, AD Controller, AD Relink, License Manager, and others. It contains how-to steps, screenshots, and other information that you need to run the AD utilities. This guide also provides information on maintaining the Oracle applications file system and database.

Oracle Applications System Administrator's Guide

This guide provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and online help, and manage concurrent processing.

Oracle Alert User's Guide

This guide explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

Oracle Applications Developer's Guide

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards for Forms-Based Products*. It also provides information to help you build your custom Oracle Forms Developer 6i forms so that they integrate with Oracle Applications.

Oracle Applications User Interface Standards for Forms-Based Products

This guide contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications products and how to apply this UI to the design of an application built by using Oracle Forms.

Other Implementation Documentation

Multiple Reporting Currencies in Oracle Applications

If you use the Multiple Reporting Currencies feature to record transactions in more than one currency, use this manual before implementing [Oracle Sales](#). This manual details additional steps and setup considerations for implementing [Oracle Sales](#) with this feature.

Multiple Organizations in Oracle Applications

This guide describes how to set up and use [Oracle Sales](#) with Oracle Applications' Multiple Organization support feature, so you can define and support different organization structures when running a single installation of [Oracle Sales](#).

Oracle Workflow Guide

This guide explains how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes. You also use

this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

Oracle Applications Flexfields Guide

This guide provides flexfields planning, setup and reference information for the [Oracle Sales](#) implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This manual also provides information on creating custom reports on flexfields data.

Oracle eTechnical Reference Manuals

Each eTechnical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for a specific Oracle Applications product. This information helps you convert data from your existing applications, integrate Oracle Applications data with non-Oracle applications, and write custom reports for Oracle Applications products. Oracle eTRM is available on Metalink

Oracle Manufacturing APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Manufacturing.

Oracle Order Management Suite APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Order Management Suite.

Oracle Applications Message Reference Manual

This manual describes Oracle Applications messages. This manual is available in HTML format on the documentation CD-ROM for Release 11i.

Oracle CRM Application Foundation Implementation Guide

Many CRM products use components from CRM Application Foundation. Use this guide to correctly implement CRM Application Foundation.

Implementing Oracle HRMS

This document provides the information necessary to implement Oracle HRMS.

Training and Support

Training

Oracle offers training courses to help you and your staff master [Oracle Sales](#) and reach full productivity quickly. You have a choice of educational environments. You can attend courses offered by Oracle University at any one of our many Education Centers, you can arrange for our trainers to teach at your facility, or you can use Oracle Learning Network (OLN), Oracle University's online education utility. In addition, Oracle training professionals can tailor standard courses or develop custom courses to meet your needs. For example, you may want to use your organization's structure, terminology, and data as examples in a customized training session delivered at your own facility.

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From on-site support to central support, our team of experienced professionals provides the help and information you need to keep [Oracle Sales](#) working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle*8i* server, and your hardware and software environment.

OracleMetaLink

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Self-Service Toolkit: You may also find information by navigating to the Self-Service Toolkit page as follows: Technical Libraries/ERP Applications/Applications Installation and Upgrade.

Do Not Use Database Tools to Modify Oracle Applications Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using Oracle Applications can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support, and office automation, as well as Oracle Applications, an integrated suite of more than 160 software modules for financial management, supply chain management, manufacturing, project systems, human resources and customer relationship management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers and personal digital assistants, allowing organizations to integrate different computers, different operating systems, different networks, and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and applications products, along with related consulting, education, and support services, in over 145 countries around the world.

Oracle Sales Public APIs

The following information covers the Oracle Sales product public APIs that are currently available.

- [Section 1.1, "API Standards"](#) on page 1-1
- [Section 1.2, "Opportunity APIs"](#) on page 1-6
- [Section 1.3, "Access APIs"](#) on page 1-49
- [Section 1.4, "Funds APIs"](#) on page 1-55
- [Section 1.5, "User Hook for Assign Territory Accesses"](#) on page 1-127

Note: The words "procedure" and "API" are used interchangeably throughout this guide.

1.1 API Standards

The following section covers "Standard In" and "Standard Out" parameters.

- [Section 1.1.1, "Standard Parameters"](#)
- [Section 1.1.2, "Standard IN Parameters"](#)
- [Section 1.1.3, "Standard OUT Parameters"](#)
- [Section 1.1.4, "Return Status"](#)

1.1.1 Standard Parameters

The specifications for the public APIs provided by Oracle Sales products define four categories of parameters:

- Standard IN
- Standard OUT
- Procedure specific IN
- Procedure specific OUT

Standard IN and OUT parameters are specified by the Oracle Sales business object API Coding Standards, and are discussed in the following sections. Procedure specific IN and OUT parameters are related to the API being specified, and are discussed with that individual API.

1.1.2 Standard IN Parameters

The following table describes standard IN parameters which are common to all APIs provided by Oracle Sales products.

Table 1: Standard IN Parameters

Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	<p>The p_api_version has no default, therefore, all API callers must pass it in their calls.</p> <p>This parameter is used by the API to compare the version numbers of incoming calls to its current version number, and to return an unexpected error if they are incompatible.</p>
p_init_msg_list	VARCHAR2	No	<p>Default = FND_API.G_FALSE;</p> <p>The p_init_msg_list parameter allows API callers to request the API to do the initialization of the message list on their behalf.</p>

Table 1: Standard IN Parameters

p_commit	VARCHAR2	No	<p>Default = FND_API.G_FALSE;</p> <p>The p_commit parameter is used by API callers to ask the API to do a commit on their behalf after performing its function.</p>
P_validation_level	NUMBER	No	<p>Default = FND_API.G_VALID_LEVEL_FULL</p> <p>This parameter should always be set to FND_API.G_VALID_LEVEL_FULL to ensure valid data is saved in the database.</p>
P_check_access_flag	VARCHAR2	Yes	<p>Standard parameter for opportunity and access APIs only.</p> <p>The p_check_access_flag parameter allows API callers to request that the API does the application security check on their behalf.</p> <p>We strongly recommend the user always pass "Y" to the opportunity and access APIs to ensure the application data is processed with security control.</p>
P_admin_flag	VARCHAR2	Yes	<p>Standard parameter for opportunity and access APIs only.</p> <p>This p_admin_flag parameter tells the API if the logon user is admin.</p>

Table 1: Standard IN Parameters

P_admin_group_id	NUMBER	Yes	Standard parameter for opportunity and access APIs only. This parameter passes the admin sales group ID of the logon user if the logon user is admin.
P_identity_salesforce_id	NUMBER	Yes	Standard parameter for opportunity and access APIs only. This parameter passes the resource identifier of the logon user.
P_profile_tbl		No	This parameter is not used currently.

1.1.3 Standard OUT Parameters

The following table describes standard OUT parameters, which are common to all public APIs provided by Oracle Sales products.

Table 2: Standard OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS, which indicates the API call was successful. FND_API.G_RET_STS_ERROR, which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR, which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

Table 2: Standard OUT Parameters

x_msg_data	VARCHAR2	Error message returned by the API. If the messages returned number more than one, this parameter will be null and the messages have to be extracted from the message stack.
------------	----------	---

Note: All standard OUT parameters are required parameter specifications.

1.1.4 Return Status

The return status of an API informs the caller about the result of the operation (or operations) performed by the API. The different possible values for an API return status are listed below:

- [Success](#)
- [Error](#)
- [Unexpected Error](#)

The following section describes the different values of return status, their meanings, and when to use them.

Success

A "Success" return status means that the API was able to perform all operations requested by its caller. A success return status may or may not be accompanied by messages in the API message list.

Error

An "Error" return status means that the API failed to perform some or all of the operations requested by its caller. An "Error" return status is usually accompanied by messages describing the error(s) and how to fix the error(s).

In most cases, end users can take corrective actions to fix regular expected errors like missing attributes or invalid date ranges.

Unexpected Error

An "Unexpected Error" status means that the API has encountered an error condition it did not expect or could not handle. In this case, the API is unable to continue with regular processing. Examples of such error are: irrecoverable data inconsistency errors, memory errors, and programming errors (like attempting a division by zero).

In most cases, end users cannot correct unexpected errors. These errors would have to be fixed by a system administrator or application developer.

Every API must have an OUT scalar parameter that reports the API overall return status defined as follows:

`x_return_statusOUTVARCHAR2`

This parameter represents the result of all the operations performed by the API and must have one of the following values:

`G_RET_STS_SUCCESS CONSTANT VARCHAR2(1):='S';`

`G_RET_STS_ERROR CONSTANT VARCHAR2(1):='E';`

`G_RET_STS_UNEXP_ERROR CONSTANT VARCHAR2(1):='U';`

1.2 Opportunity APIs

These APIs provide a number of procedures for Opportunity and its sub-entities including Opportunity Contacts, Purchase Lines, Sales Credits, Competitor Products, Decision Factors, and Opportunity Obstacles.

All the procedures are defined in the package `AS_OPPORTUNITY_PUB` and are listed below in the following order: Function, Procedure Name, and Current Version:

- [Create Opportunity Header](#), `Create_Opp_Header`, 2.0
- [Update Opportunity Header](#), `Update_Opp_Header`, 2.0
- [Create Purchase Lines](#), `Create_opp_lines`, 2.0
- [Update Purchase Lines](#), `Update_opp_lines`, 2.0
- [Delete Purchase Lines](#), `Delete_opp_lines`, 2.0
- [Create Sales Credits](#), `Create_sales_credits`, 2.0
- [Modify Sales Credits](#), `Modify_sales_credits`, 2.0

- [Delete Sales Credits](#), `Delete_sales_credits`, 2.0
- [Create Obstacles](#), `Create_obstacles`, 2.0
- [Update Obstacles](#), `Update_obstacles`, 2.0
- [Delete Obstacles](#), `Delete_obstacles`, 2.0
- [Create Competitor Products](#), `Create_Competitor_Prods`, 2.0
- [Update Competitor Products](#), `Update_Competitor_prods`, 2.0
- [Delete Competitor Products](#), `Delete_Competitor_prods`, 2.0
- [Create Decision Factors](#), `Create_decision_factors`, 2.0
- [Update Decision Factors](#), `Update_decision_factors`, 2.0
- [Delete Decision Factors](#), `Delete_decision_factors`, 2.0
- [Create Contacts](#), `Create_contacts`, 2.0
- [Update Contacts](#), `Update_contacts`, 2.0
- [Delete Contacts](#), `Delete_contacts`, 2.0
- [Copy Opportunity](#), `Copy_opportunity`

See Also

- [Section 1.2.1, "Type Declaration"](#)
- [Section 1.2.4, "Sales Credit"](#)
- [Section 1.2.5, "Opportunity Obstacle"](#)
- [Section 1.2.6, "Opportunity Contact"](#)
- [Section 1.2.7, "Competitor Product"](#)
- [Section 1.2.8, "Decision Factor"](#)
- [Section 1.2.9, "API Specifications"](#)

1.2.1 Type Declaration

This section defines the record/table type declarations which are used in the opportunity APIs. All types are defined in the package `AS_OPPORTUNITY_PUB`.

1.2.2 Opportunity Header

TYPE header_rec_type	IS RECORD	
(last_update_date	Date	:= FND_API.G_MISS_DATE,
last_updated_by	Number	:= FND_API.G_MISS_NUM,
creation_date	Date	:= FND_API.G_MISS_DATE,
created_by	Number	:= FND_API.G_MISS_NUM,
last_update_login	Number	:= FND_API.G_MISS_NUM,
request_id	NUMBER	:= FND_API.G_MISS_NUM,
program_application_id	NUMBER	:= FND_API.G_MISS_NUM,
program_id	NUMBER	:= FND_API.G_MISS_NUM,
program_update_date	DATE	:= FND_API.G_MISS_DATE,
lead_id	NUMBER	:= FND_API.G_MISS_NUM,
lead_number	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
orig_system_reference	VARCHAR2(240)	:=FND_API.G_MISS_CHAR,
lead_source_code (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
lead_source (*)	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
description	VARCHAR2(240)	:=FND_API.G_MISS_CHAR,
source_promotion_id	NUMBER	:= FND_API.G_MISS_NUM,
source_promotion_code	(*) VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
customer_id	NUMBER	:= FND_API.G_MISS_NUM,
customer_name (*)	VARCHAR2(360)	:=FND_API.G_MISS_CHAR,
customer_name_phonetic	(*) VARCHAR2(360)	:=FND_API.G_MISS_CHAR,
address_id	NUMBER	:= FND_API.G_MISS_NUM,
address (*)	VARCHAR2(240)	:= FND_API.G_MISS_CHAR,
address2 (*)	VARCHAR2(240)	:= FND_API.G_MISS_CHAR,
address3 (*)	VARCHAR2(240)	:= FND_API.G_MISS_CHAR,
address4 (*)	VARCHAR2(240)	:= FND_API.G_MISS_CHAR,
city (*)	VARCHAR2(60)	:= FND_API.G_MISS_CHAR,
state (*)	VARCHAR2(60)	:= FND_API.G_MISS_CHAR,
country (*)	VARCHAR2(60)	:= FND_API.G_MISS_CHAR,
province (*)	VARCHAR2(60)	:= FND_API.G_MISS_CHAR,
sales_stage_id	NUMBER	:= FND_API.G_MISS_NUM,
sales_stage (*)	VARCHAR2(60)	:= FND_API.G_MISS_CHAR,
win_probability	NUMBER	:= FND_API.G_MISS_NUM,
status_code	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
status (*)	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
total_amount	NUMBER	:= FND_API.G_MISS_NUM,
converted_total_amount	(*) NUMBER	:= FND_API.G_MISS_NUM,
channel_code	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
channel (*)	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
decision_date	DATE	:= FND_API.G_MISS_DATE,
currency_code	VARCHAR2(15)	:= FND_API.G_MISS_CHAR,
to_currency_code (*)	VARCHAR2(15)	:= FND_API.G_MISS_CHAR,
close_reason_code	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,

close_reason (*)	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
close_competitor_code (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
close_competitor_id	NUMBER	:= FND_API.G_MISS_NUM,
close_competitor (*)	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
close_comment	VARCHAR2(240)	:= FND_API.G_MISS_CHAR,
end_user_customer_id (*)	NUMBER	:= FND_API.G_MISS_NUM,
end_user_customer_name	VARCHAR2(360)	:= FND_API.G_MISS_CHAR,
end_user_address_id (*)	NUMBER	:= FND_API.G_MISS_NUM,
owner_salesforce_id	NUMBER	:= FND_API.G_MISS_NUM,
owner_sales_group_id	NUMBER	:= FND_API.G_MISS_NUM,
parent_project	VARCHAR2(80)	:= FND_API.G_MISS_CHAR,
parent_project_code (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
updateable_flag (*)	VARCHAR2(1)	:= 'N',
price_list_id (*)	NUMBER	:= FND_API.G_MISS_NUM,
initiating_contact_id (*)	NUMBER	:= FND_API.G_MISS_NUM,
rank (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
member_access (*)	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
member_role (*)	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
Deleted_Flag (*)	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
Auto_Assignment_Type	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
PRM_Assignment_Type	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
Customer_budget	NUMBER	:= FND_API.G_MISS_NUM,
Methodology_Code (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
Sales_Methodology_Id	NUMBER	:= FND_API.G_MISS_NUM,
Original_Lead_Id	NUMBER	:= FND_API.G_MISS_NUM,
Decision_Timeframe_Code (*)	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
Incumbent_partner_Resource_Id	NUMBER	:= FND_API.G_MISS_NUM,
Incumbent_partner_Party_Id	NUMBER	:= FND_API.G_MISS_NUM,
Offer_Id	NUMBER	:= FND_API.G_MISS_NUM,
Vehicle_Response_Code	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
Budget_Status_Code	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
FOLLOWUP_DATE	DATE	:= FND_API.G_MISS_DATE,
NO_OPP_ALLOWED_FLAG	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
DELETE_ALLOWED_FLAG	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
PRM_EXEC_SPONSOR_FLAG	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
PRM_PRJ_LEAD_IN_PLACE_FLAG	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
PRM_IND_CLASSIFICATION_CODE	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
PRM_LEAD_TYPE	VARCHAR2(30)	:= FND_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= FND_API.G_MISS_NUM,
freeze_flag	VARCHAR2(1)	:= FND_API.G_MISS_CHAR,
attribute_category	VARCHAR2(30),	
attribute1	VARCHAR2(150),	
attribute2	VARCHAR2(150),	
attribute3	VARCHAR2(150),	
attribute4	VARCHAR2(150),	

```

attribute5          VARCHAR2(150),
attribute6          VARCHAR2(150),
attribute7          VARCHAR2(150),
attribute8          VARCHAR2(150),
attribute9          VARCHAR2(150),
attribute10         VARCHAR2(150),
attribute11         VARCHAR2(150),
attribute12         VARCHAR2(150),
attribute13         VARCHAR2(150),
attribute14         VARCHAR2(150),
attribute15         VARCHAR2(150)
);
(*) indicates obsoleted column.
G_MISS_HEADER_REC   header_rec_type;
TYPE header_tbl_type IS TABLE OF header_rec_type
INDEX BY BINARY_INTEGER;
G_MISS_HEADER_TBL   header_tbl_type;

```

1.2.3 Purchase Line

```

TYPE line_rec_type   IS RECORD
(
  last_update_date      Date           := FND_API.G_MISS_DATE,
  last_updated_by       Number         := FND_API.G_MISS_NUM,
  creation_date         Date           := FND_API.G_MISS_DATE,
  created_by            Number         := FND_API.G_MISS_NUM,
  last_update_login     Number         := FND_API.G_MISS_NUM,
  request_id            NUMBER         := FND_API.G_MISS_NUM,
  program_application_id NUMBER         := FND_API.G_MISS_NUM,
  program_id            NUMBER         := FND_API.G_MISS_NUM,
  program_update_date   DATE           := FND_API.G_MISS_DATE,
  lead_id               NUMBER         := FND_API.G_MISS_NUM,
  lead_line_id          NUMBER         := FND_API.G_MISS_NUM,
  original_lead_line_id NUMBER         := FND_API.G_MISS_NUM,
  interest_type_id      NUMBER         := FND_API.G_MISS_NUM,
  interest_type         VARCHAR2(80)   := FND_API.G_MISS_CHAR,
  interest_status_code (*) VARCHAR2(30) := FND_API.G_MISS_CHAR,
  primary_interest_code_id NUMBER      := FND_API.G_MISS_NUM,
  primary_interest_code (*) VARCHAR2(100) := FND_API.G_MISS_CHAR,
  secondary_interest_code_id NUMBER     := FND_API.G_MISS_NUM,
  secondary_interest_code (*) VARCHAR2(100) := FND_API.G_MISS_CHAR,
  inventory_item_id     NUMBER         := FND_API.G_MISS_NUM,
  inventory_item_conc_segs(*) VARCHAR2(2000) := FND_API.G_MISS_CHAR,
  organization_id       NUMBER         := FND_API.G_MISS_NUM,
  uom_code              VARCHAR2(3)    := FND_API.G_MISS_CHAR,
  uom (*)               VARCHAR2(25)   := FND_API.G_MISS_CHAR,

```

```

quantity                NUMBER                := FND_API.G_MISS_NUM,
ship_date (*)           DATE                := FND_API.G_MISS_DATE,
total_amount            NUMBER                := FND_API.G_MISS_NUM,
sales_stage_id (*)     NUMBER                := FND_API.G_MISS_NUM,
sales_stage (*)         VARCHAR2(60)         := FND_API.G_MISS_CHAR,
win_probability (*)    NUMBER                := FND_API.G_MISS_NUM,
status_code (*)        VARCHAR2(30)         := FND_API.G_MISS_CHAR,
status (*)              VARCHAR2(80)         := FND_API.G_MISS_CHAR,
decision_date (*)      DATE                := FND_API.G_MISS_DATE,
channel_code (*)        VARCHAR2(30)         := FND_API.G_MISS_CHAR,
channel (*)             VARCHAR2(80)         := FND_API.G_MISS_CHAR,
unit_price (*)          Number                := FND_API.G_MISS_NUM,
price (*)               Number                := FND_API.G_MISS_NUM,
price_volume_margin (*) Number                := FND_API.G_MISS_NUM,
quoted_line_flag (*)   Varchar(1)         := FND_API.G_MISS_CHAR,
member_access (*)      VARCHAR2(1)         := FND_API.G_MISS_CHAR,
member_role (*)        VARCHAR2(1)         := FND_API.G_MISS_CHAR,
currency_code (*)      VARCHAR2(15)        := FND_API.G_MISS_CHAR,
owner_scredit_percent (*) NUMBER                := FND_API.G_MISS_NUM,
Source_Promotion_Id    NUMBER                := FND_API.G_MISS_NUM,
forecast_date          DATE                := FND_API.G_MISS_DATE,
rolling_forecast_flag  Varchar(1)         := FND_API.G_MISS_CHAR,
Offer_Id               NUMBER                := FND_API.G_MISS_NUM,
ORG_ID                 NUMBER                := FND_API.G_MISS_NUM,
attribute_category     VARCHAR2(30),
attribute1              VARCHAR2(150),
attribute2              VARCHAR2(150),
attribute3              VARCHAR2(150),
attribute4              VARCHAR2(150),
attribute5              VARCHAR2(150),
attribute6              VARCHAR2(150),
attribute7              VARCHAR2(150),
attribute8              VARCHAR2(150),
attribute9              VARCHAR2(150),
attribute10             VARCHAR2(150),
attribute11             VARCHAR2(150),
attribute12             VARCHAR2(150),
attribute13             VARCHAR2(150),
attribute14             VARCHAR2(150),
attribute15             VARCHAR2(150)
);
(*) indicates obsoleted column.

```

```

G_MISS_LINE_REC      line_rec_type;
TYPE line_tbl_type IS TABLE OF line_rec_type

```

```

                                INDEX BY BINARY_INTEGER;
G_MISS_LINE_TBL      line_tbl_type;
TYPE line_out_rec_type  IS RECORD
(
    lead_line_id      NUMBER,
    return_status     VARCHAR2(1)
);
TYPE line_out_tbl_type  IS TABLE OF line_out_rec_type
INDEX BY BINARY_INTEGER;

```

1.2.4 Sales Credit

```

TYPE sales_credit_rec_type  IS RECORD
(
    last_update_date      Date           := FND_API.G_MISS_DATE,
    last_updated_by       Number         := FND_API.G_MISS_NUM,
    creation_date         Date           := FND_API.G_MISS_DATE,
    created_by            Number         := FND_API.G_MISS_NUM,
    last_update_login     Number         := FND_API.G_MISS_NUM,
    request_id            NUMBER         := FND_API.G_MISS_NUM,
    program_application_id NUMBER         := FND_API.G_MISS_NUM,
    program_id            NUMBER         := FND_API.G_MISS_NUM,
    program_update_date   DATE           := FND_API.G_MISS_DATE,
    sales_credit_id       NUMBER         := FND_API.G_MISS_NUM,
    original_sales_credit_id NUMBER       := FND_API.G_MISS_NUM,
    lead_id               NUMBER         := FND_API.G_MISS_NUM,
    lead_line_id          NUMBER         := FND_API.G_MISS_NUM,
    salesforce_id         NUMBER         := FND_API.G_MISS_NUM,
    person_id             NUMBER         := FND_API.G_MISS_NUM,
    employee_last_name    (*) VARCHAR2(40) := FND_API.G_MISS_CHAR,
    employee_first_name   (*) VARCHAR2(20) := FND_API.G_MISS_CHAR,
    salesgroup_id         NUMBER         := FND_API.G_MISS_NUM,
    salesgroup_name       (*) VARCHAR2(60) := FND_API.G_MISS_CHAR,
    partner_customer_id   NUMBER         := FND_API.G_MISS_NUM,
    partner_customer_name (*) VARCHAR2(360) := FND_API.G_MISS_CHAR,
    partner_city          (*) VARCHAR2(60) := FND_API.G_MISS_CHAR,
    partner_address_id    NUMBER         := FND_API.G_MISS_NUM,
    revenue_amount        (*) NUMBER     := FND_API.G_MISS_NUM,
    revenue_percent       (*) NUMBER     := FND_API.G_MISS_NUM,
    quota_credit_amount   (*) NUMBER     := FND_API.G_MISS_NUM,
    uota_credit_percent   (*) NUMBER     := FND_API.G_MISS_NUM,
    revenue_derived_col   (*) NUMBER     := FND_API.G_MISS_NUM,
    quota_derived_col     (*) NUMBER     := FND_API.G_MISS_NUM,
    member_access         (*) VARCHAR2(1) := FND_API.G_MISS_CHAR,
    member_role           (*) VARCHAR2(1) := FND_API.G_MISS_CHAR,
    MANAGER_REVIEW_FLAG   (*) VARCHAR2(1) := FND_API.G_MISS_CHAR,

```

```

MANAGER_REVIEW_DATE  (*) DATE           := FND_API.G_MISS_DATE,
line_tbl_index (*)   NUMBER            := NULL,
delete_flag (*)     VARCHAR2(10)      := FND_API.G_FALSE,
currency_code (*)   VARCHAR2(15)     := FND_API.G_MISS_CHAR,
credit_type_id      NUMBER            := FND_API.G_MISS_NUM,
credit_type         VARCHAR2(30)     := FND_API.G_MISS_CHAR,
credit_amount       NUMBER            := FND_API.G_MISS_NUM,
credit_percent      NUMBER            := FND_API.G_MISS_NUM,
ORG_ID              NUMBER            := FND_API.G_MISS_NUM,
attribute_category  VARCHAR2(30),
attribute1          VARCHAR2(150),
attribute2          VARCHAR2(150),
attribute3          VARCHAR2(150),
attribute4          VARCHAR2(150),
attribute5          VARCHAR2(150),
attribute6          VARCHAR2(150),
attribute7          VARCHAR2(150),
attribute8          VARCHAR2(150),
attribute9          VARCHAR2(150),
attribute10         VARCHAR2(150),
attribute11         VARCHAR2(150),
attribute12         VARCHAR2(150),
attribute13         VARCHAR2(150),
attribute14         VARCHAR2(150),
attribute15         VARCHAR2(150)
);
(*) indicates obsoleted column
G_MISS_SALES_CREDIT_REC sales_credit_rec_type;
TYPE sales_credit_tbl_type IS TABLE OF sales_credit_rec_type
INDEX BY BINARY_INTEGER;
G_MISS_SALES_CREDIT_TBL sales_credit_tbl_type;

TYPE sales_credit_out_rec_type IS RECORD
(
    sales_credit_id NUMBER,
    return_status VARCHAR2(1)
);
TYPE sales_credit_out_tbl_type IS TABLE OF sales_credit_out_rec_type
INDEX BY BINARY_INTEGER;

```

1.2.5 Opportunity Obstacle

```

TYPE obstacle_rec_type IS RECORD
(
    last_update_date Date           := FND_API.G_MISS_DATE,
    last_updated_by Number         := FND_API.G_MISS_NUM,

```

```

creation_Date          Date          := FND_API.G_MISS_DATE,
created_by            Number         := FND_API.G_MISS_NUM,
last_update_login     Number         := FND_API.G_MISS_NUM,
request_id           NUMBER          := FND_API.G_MISS_NUM,
program_application_id NUMBER        := FND_API.G_MISS_NUM,
program_id           NUMBER          := FND_API.G_MISS_NUM,
program_update_date   DATE           := FND_API.G_MISS_DATE,
lead_obstacle_id     NUMBER          := FND_API.G_MISS_NUM,
lead_id              NUMBER          := FND_API.G_MISS_NUM,
obstacle_code        VARCHAR2(30)    := FND_API.G_MISS_CHAR,
obstacle (*)         VARCHAR2(80)    := FND_API.G_MISS_CHAR,
obstacle_status      VARCHAR2(80)    := FND_API.G_MISS_CHAR,
comments             VARCHAR2(240)   := FND_API.G_MISS_CHAR,
member_access (*)    VARCHAR2(30)    := FND_API.G_MISS_CHAR,
member_role (*)      VARCHAR2(30)    := FND_API.G_MISS_CHAR,
ORG_ID               NUMBER          := FND_API.G_MISS_NUM,
attribute_category   VARCHAR2(30),
attribute1           VARCHAR2(150),
attribute2           VARCHAR2(150),
attribute3           VARCHAR2(150),
attribute4           VARCHAR2(150),
attribute5           VARCHAR2(150),
attribute6           VARCHAR2(150),
attribute7           VARCHAR2(150),
attribute8           VARCHAR2(150),
attribute9           VARCHAR2(150),
attribute10          VARCHAR2(150),
attribute11          VARCHAR2(150),
attribute12          VARCHAR2(150),
attribute13          VARCHAR2(150),
attribute14          VARCHAR2(150),
attribute15          VARCHAR2(150)
);

```

(*) indicates obsoleted column.

```

G_MISS_OBSTACLE_REC   obstacle_rec_type;
TYPE obstacle_tbl_type IS TABLE OF obstacle_rec_type
INDEX BY BINARY_INTEGER;
G_MISS_OBSTACLE_TBL   obstacle_tbl_type;

TYPE obstacle_out_rec_type IS RECORD
(
    lead_obstacle_id NUMBER,
    return_status    VARCHAR2(1)
);

```

```
);
TYPE obstacle_out_tbl_type IS TABLE OF obstacle_out_rec_type
INDEX BY BINARY_INTEGER;
```

1.2.6 Opportunity Contact

```
TYPE contact_rec_type IS RECORD
( last_update_date      Date           := FND_API.G_MISS_DATE,
  last_updated_by      Number          := FND_API.G_MISS_NUM,
  creation_date        Date           := FND_API.G_MISS_DATE,
  created_by           Number          := FND_API.G_MISS_NUM,
  last_update_login    Number          := FND_API.G_MISS_NUM,
  request_id           NUMBER          := FND_API.G_MISS_NUM,
  program_application_id NUMBER        := FND_API.G_MISS_NUM,
  program_id           NUMBER          := FND_API.G_MISS_NUM,
  program_update_date  DATE            := FND_API.G_MISS_DATE,
  lead_contact_id      NUMBER          := FND_API.G_MISS_NUM,
  lead_id              NUMBER          := FND_API.G_MISS_NUM,
  customer_id          NUMBER          := FND_API.G_MISS_NUM,
  address_id           NUMBER          := FND_API.G_MISS_NUM,
  phone_id (*)         NUMBER          := FND_API.G_MISS_NUM,
  first_name (*)       VARCHAR2(40)    := FND_API.G_MISS_CHAR,
  last_name (*)        VARCHAR2(50)    := FND_API.G_MISS_CHAR,
  contact_number (*)   VARCHAR2(30)    := FND_API.G_MISS_CHAR,
  orig_system_reference VARCHAR2(240)  := FND_API.G_MISS_CHAR,
  contact_id           NUMBER          := FND_API.G_MISS_NUM,
  enabled_flag (*)     VARCHAR2(1)     := FND_API.G_MISS_CHAR,
  rank_code            VARCHAR2(30)    := FND_API.G_MISS_CHAR,
  rank (*)             VARCHAR2(80)    := FND_API.G_MISS_CHAR,
  member_access (*)    VARCHAR2(30)    := FND_API.G_MISS_CHAR,
  member_role (*)      VARCHAR2(30)    := FND_API.G_MISS_CHAR,
  contact_party_id     NUMBER          := FND_API.G_MISS_NUM,
  primary_contact_flag VARCHAR2(1)     := FND_API.G_MISS_CHAR,
  role (*)             VARCHAR2(30)    := FND_API.G_MISS_CHAR,
  ORG_ID              NUMBER          := FND_API.G_MISS_NUM,
  attribute_category   VARCHAR2(30),
  attribute1           VARCHAR2(150),
  attribute2           VARCHAR2(150),
  attribute3           VARCHAR2(150),
  attribute4           VARCHAR2(150),
  attribute5           VARCHAR2(150),
  attribute6           VARCHAR2(150),
  attribute7           VARCHAR2(150),
  attribute8           VARCHAR2(150),
  attribute9           VARCHAR2(150),
```

```

        attribute10          VARCHAR2(150),
        attribute11         VARCHAR2(150),
        attribute12         VARCHAR2(150),
        attribute13         VARCHAR2(150),
        attribute14         VARCHAR2(150),
        attribute15         VARCHAR2(150)
    );
    (*) indicates obsoleted column.

G_MISS_CONTACT_REC        contact_rec_type;
TYPE contact_tbl_type    IS TABLE OF    contact_rec_type
                        INDEX BY BINARY_INTEGER;

G_MISS_CONTACT_TBL       contact_tbl_type;

TYPE contact_out_rec_type IS RECORD
(
    lead_contact_id    NUMBER,
    return_status      VARCHAR2(1)
);
TYPE contact_out_tbl_type IS TABLE OF    contact_out_rec_type
                        INDEX BY BINARY_INTEGER;

```

1.2.7 Competitor Product

```

TYPE Competitor_Prod_Rec_Type IS RECORD
(
    last_update_date      Date           := FND_API.G_MISS_DATE,
    last_updated_by       Number         := FND_API.G_MISS_NUM,
    creation_date         Date           := FND_API.G_MISS_DATE,
    created_by            Number         := FND_API.G_MISS_NUM,
    last_update_login     Number         := FND_API.G_MISS_NUM,
    request_id            NUMBER         := FND_API.G_MISS_NUM,
    program_application_id NUMBER         := FND_API.G_MISS_NUM,
    program_id            NUMBER         := FND_API.G_MISS_NUM,
    program_update_date   DATE           := FND_API.G_MISS_DATE,
    LEAD_COMPETITOR_PROD_ID NUMBER         := FND_API.G_MISS_NUM,
    LEAD_ID               NUMBER         := FND_API.G_MISS_NUM,
    LEAD_LINE_ID          NUMBER         := FND_API.G_MISS_NUM,
    COMPETITOR_PRODUCT_ID NUMBER         := FND_API.G_MISS_NUM,
    WIN_LOSS_STATUS       VARCHAR2(30)   := FND_API.G_MISS_CHAR,
    attribute_category    VARCHAR2(30),
    attribute1            VARCHAR2(150),
    attribute2            VARCHAR2(150),
    attribute3            VARCHAR2(150),
    attribute4            VARCHAR2(150),
    attribute5            VARCHAR2(150),

```

```

attribute6          VARCHAR2(150),
attribute7          VARCHAR2(150),
attribute8          VARCHAR2(150),
attribute9          VARCHAR2(150),
attribute10         VARCHAR2(150),
attribute11         VARCHAR2(150),
attribute12         VARCHAR2(150),
attribute13         VARCHAR2(150),
attribute14         VARCHAR2(150),
attribute15         VARCHAR2(150)
);
G_MISS_Competitor_Prod_REC      Competitor_Prod_Rec_Type;
TYPE Competitor_Prod_Tbl_Type  IS TABLE OF Competitor_Prod_Rec_Type
INDEX BY BINARY_INTEGER;
G_MISS_Competitor_Prod_TBL     Competitor_Prod_Tbl_Type;

TYPE Competitor_Prod_out_rec_type  IS RECORD
(
    LEAD_COMPETITOR_PROD_ID      NUMBER,
    return_status                VARCHAR2(1)
);
TYPE Competitor_Prod_out_tbl_type  IS TABLE OF Competitor_Prod_out_rec_type
INDEX BY BINARY_INTEGER;

```

1.2.8 Decision Factor

```

TYPE Decision_Factor_Rec_Type  IS RECORD
(
    last_update_date            Date           := FND_API.G_MISS_DATE,
    last_updated_by             Number         := FND_API.G_MISS_NUM,
    creation_Date               Date           := FND_API.G_MISS_DATE,
    created_by                  Number         := FND_API.G_MISS_NUM,
    last_update_login           Number         := FND_API.G_MISS_NUM,
    request_id                  NUMBER         := FND_API.G_MISS_NUM,
    program_application_id      NUMBER         := FND_API.G_MISS_NUM,
    program_id                  NUMBER         := FND_API.G_MISS_NUM,
    program_update_date         DATE           := FND_API.G_MISS_DATE,
    LEAD_DECISION_FACTOR_ID     NUMBER         := FND_API.G_MISS_NUM,
    LEAD_LINE_ID                NUMBER         := FND_API.G_MISS_NUM,
    DECISION_FACTOR_CODE        VARCHAR2(30) := FND_API.G_MISS_CHAR,
    DECISION_RANK               NUMBER         := FND_API.G_MISS_NUM,
    DECISION_PRIORITY_CODE      VARCHAR2(240) := FND_API.G_MISS_CHAR,
    attribute_category          VARCHAR2(30),
    attribute1                  VARCHAR2(150),
    attribute2                  VARCHAR2(150),
    attribute3                  VARCHAR2(150),

```

```

attribute4          VARCHAR2(150),
attribute5          VARCHAR2(150),
attribute6          VARCHAR2(150),
attribute7          VARCHAR2(150),
attribute8          VARCHAR2(150),
attribute9          VARCHAR2(150),
attribute10         VARCHAR2(150),
attribute11         VARCHAR2(150),
attribute12         VARCHAR2(150),
attribute13         VARCHAR2(150),
attribute14         VARCHAR2(150),
attribute15         VARCHAR2(150)
);

G_MISS_Decision_Factor_REC      Decision_Factor_Rec_Type;
TYPE Decision_Factor_Tbl_Type   IS TABLE OF Decision_Factor_Rec_Type
INDEX BY BINARY_INTEGER;

G_MISS_Decision_Factor_TBL     Decision_Factor_Tbl_Type;

TYPE Decision_Factor_out_rec_type IS RECORD
(
    LEAD_DECISION_FACTOR_ID     NUMBER,
    return_status               VARCHAR2(1)
);
TYPE Decision_Factor_out_tbl_type IS TABLE OF Decision_Factor_out_rec_type
INDEX BY BINARY_INTEGER;

```

1.2.9 API Specifications

This section describes the functions, procedure specifications, and parameters of the opportunity APIs.

1.2.10 Create Opportunity Header

Function Description

This procedure will perform the following functions:

- Check for user privileges to create new opportunities.
- Validate the data in the header record.
- Insert a new opportunity header record in table AS_LEADS_ALL.
- Create sales team for the creator.

- Perform territory assignment for this opportunity.
- Start the sales methodology workflow.
- Perform post creation processes through user-hook to handle business logic implemented by Oracle Partner Online.

Procedure Specification

```

PROCEDURE Create_Opp_Header
(
    p_api_version_number    IN    NUMBER,
    p_init_msg_list         IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit                IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level      IN    NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_header_rec            IN    HEADER_REC_TYPE ,
    p_check_access_flag     IN    VARCHAR2,
    p_admin_flag            IN    VARCHAR2,
    p_admin_group_id        IN    NUMBER,
    p_identity_salesforce_id IN    NUMBER,
    p_salesgroup_id         IN    NUMBER    DEFAULT NULL,
    p_partner_cont_party_id IN    NUMBER,
    p_profile_tbl           IN    AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
    x_return_status         OUT NOCOPY VARCHAR2,
    x_msg_count             OUT NOCOPY NUMBER,
    x_msg_data              OUT NOCOPY VARCHAR2,
    x_lead_id               OUT NOCOPY NUMBER
);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_header_rec	Record of the opportunity header to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter

p_identity_salesforce_id	Standard IN parameter
p_salesgroup_id	Sales group identifier of the logon user
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact.
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_lead_id	The identifier of the created opportunity.

1.2.11 Update Opportunity Header

Function Description

This procedure will perform the following functions:

- Check for user privileges to update new opportunities.
- Validate the data in the header record.
- Create system notes for this opportunity if needed.
- Update the opportunity header in table AS_LEADS_ALL.
- Start the sales methodology workflow if sales methodology is added to the opportunity.
- Perform territory assignment for this opportunity.
- Perform post update processes through user-hook to handle business logic implemented by Oracle Partner Online.

Procedure Specification

```

PROCEDURE Update_Opp_Header
(
    p_api_version_number    IN    NUMBER,
    p_init_msg_list         IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit                IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level      IN    NUMBER   DEFAULT FND_API.G_VALID_LEVEL_
    FULL,
    p_header_rec            IN    AS_OPPORTUNITY_PUB.Header_Rec_Type,
    p_check_access_flag     IN    VARCHAR2,

```

```

p_admin_flag          IN          VARCHAR2,
p_admin_group_id     IN          NUMBER,
p_identity_salesforce_id IN      NUMBER,
p_partner_cont_party_id IN      NUMBER,
p_profile_tbl        IN          AS_UTILITY_PUB.Profile_Tbl_Type
                        DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_return_status      OUT NOCOPY  VARCHAR2,
x_msg_count          OUT NOCOPY  NUMBER,
x_msg_data           OUT NOCOPY  VARCHAR2,
x_lead_id            OUT NOCOPY  NUMBER);
);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_header_rec	Record of the opportunity header to be updated
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_lead_id	The identifier of the updated opportunity

1.2.12 Create Purchase Lines

Function Description

This procedure will perform the following functions:

- Check for user privileges to create purchase lines.
- Validate the data in the purchase line table.
- Insert purchase line records to table AS_LEAD_LINES_ALL.
- Update the opportunity header with the new purchase amount.
- Default forecast sales credits to the purchase line creator.
- Perform the territory assignment for the opportunity.

Procedure Specification

PROCEDURE Create_Opp_Lines

```
(
  p_api_version_number    IN    NUMBER,
  p_init_msg_list         IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN    NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_line_tbl              IN    AS_OPPORTUNITY_PUB.Line_Tbl_Type,
  p_header_rec            IN    AS_OPPORTUNITY_PUB.Header_Rec_Type,
  p_check_access_flag     IN    VARCHAR2,
  p_admin_flag            IN    VARCHAR2,
  p_admin_group_id       IN    NUMBER,
  p_identity_salesforce_id IN    NUMBER,
  p_salesgroup_id        IN    NUMBER  DEFAULT NULL,
  p_partner_cont_party_id IN    NUMBER,
  p_profile_tbl           IN    AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_line_out_tbl          OUT   NOCOPY   Line_Out_Tbl_Type,
  x_return_status         OUT   NOCOPY   VARCHAR2,
  x_msg_count            OUT   NOCOPY   NUMBER,
  x_msg_data              OUT   NOCOPY   VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_header_rec	Record of the opportunity header which the purchase lines belong
p_line_tbl	PL/SQL table of purchase lines to be created
p_check_access_flag	Standard IN parameter

p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_salesgroup_id	Sales group identifier of the logon user
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_line_out_tbl	The identifiers of the created purchase lines and their statuses

1.2.13 Update Purchase Lines

Function Description

This procedure will perform the following functions:

- Check for user privileges to update purchase lines.
- Validate the data in the purchase line table.
- Update purchase line records in table AS_LEAD_LINES_ALL.
- Update the opportunity header with the new purchase amount.
- Synchronize the sales credits with the new purchase line amounts.
- Perform the territory assignment for the opportunity.

Procedure Specification

```
PROCEDURE Update_Opp_Lines
(
  p_api_version_number    IN    NUMBER,
  p_init_msg_list         IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN    NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN    NUMBER   DEFAULT NULL,
  p_line_tbl              IN    AS_OPPORTUNITY_PUB.Line_Tbl_Type,
```

```

p_header_rec          IN    AS_OPPORTUNITY_PUB.Header_Rec_Type,
p_check_access_flag   IN    VARCHAR2,
p_admin_flag          IN    VARCHAR2,
p_admin_group_id      IN    NUMBER,
p_partner_cont_party_id IN  NUMBER,
p_profile_tbl         IN    AS_UTILITY_PUB.Profile_Tbl_Type
                        DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_line_out_tbl        OUT NOCOPY Line_Out_Tbl_Type,
x_return_status       OUT NOCOPY VARCHAR2,
x_msg_count           OUT NOCOPY NUMBER,
x_msg_data            OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_header_rec	Record of the opportunity header which the purchase line belong
p_line_tbl	PL/SQL table of purchase lines to be updated
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_line_out_tbl	The identifiers of the updated purchase lines and their statuses

1.2.14 Delete Purchase Lines

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete purchase lines.
- Delete purchase line records in table AS_LEAD_LINES_ALL.
- Update the opportunity header with the new purchase amount.
- Delete the sub-entities of the purchase lines, which include sales credits, competitor products and decision factors.
- Perform the territory assignment for the opportunity.

Procedure Specification

```
PROCEDURE Delete_Opp_Lines
(
  p_api_version_number    IN    NUMBER,
  p_init_msg_list         IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                 IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN    NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN    NUMBER   DEFAULT NULL,
  p_line_tbl              IN    AS_OPPORTUNITY_PUB.Line_Tbl_Type,
  p_header_rec            IN    AS_OPPORTUNITY_PUB.Header_Rec_Type,
  p_check_access_flag     IN    VARCHAR2,
  p_admin_flag            IN    VARCHAR2,
  p_admin_group_id       IN    NUMBER,
  p_partner_cont_party_id IN    NUMBER,
  p_profile_tbl           IN    AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_line_out_tbl          OUT NOCOPY Line_Out_Tbl_Type,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter

p_header_rec	Record of the opportunity header which the purchase lines belong
p_line_tbl	PL/SQL table of purchase lines to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_line_out_tbl	The identifiers of the deleted purchase lines and their statuses.

1.2.15 Create Sales Credits

Function Description

This procedure will perform the following functions:

- Check for user privileges to create sales credits.
- Validate the data in the sales credit table.
- Insert sales credit records to table AS_SALES_CREDITS.
- Add sales team for new sales credit receivers.

Procedure Specification

```
PROCEDURE Create_Sales_Credits
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER  DEFAULT NULL,
  p_sales_credit_tbl      IN      AS_OPPORTUNITY_PUB.Sales_Credit_Tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
```

```

p_admin_flag          IN      VARCHAR2,
p_admin_group_id     IN      NUMBER,
p_partner_cont_party_id IN    NUMBER,
p_profile_tbl        IN      AS_UTILITY_PUB.Profile_Tbl_Type
                        DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_sales_credit_out_tbl OUT NOCOPY Sales_Credit_Out_Tbl_Type,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_sales_credit_tbl	PL/SQL table of sales credits to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_sales_credit_out_tbl	The identifiers of the created sales credits and their statuses.

1.2.16 Modify Sales Credits

Function Description

This procedure will perform the following functions:

- Check for user privileges to update sales credits.
- Validate the data in the sales credits table. This API will validate that the total credit percent for a purchase line is equal to 100 for forecast credits. All the sales credit records under a purchase line need to be passed into this API. Any sales credit record already in the AS_SALES_CREDITS table, if not passed into this API, will be deleted from AS_SALES_CREDITS.
- Modify the sales credit records in table AS_SALES_CREDITS.

Procedure Specification

```
PROCEDURE Modify_Sales_Credits
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER DEFAULT NULL,
  p_sales_credit_tbl      IN      AS_OPPORTUNITY_PUB.Sales_Credit_Tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_sales_credit_out_tbl  OUT NOCOPY Sales_Credit_Out_Tbl_Type,
  x_return_status        OUT NOCOPY VARCHAR2,
  x_msg_count            OUT NOCOPY NUMBER,
  x_msg_data             OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_sales_credit_tbl	PL/SQL table of sales credits to be updated

p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_sales_credit_out_tbl	The identifiers of the updated sales credits and their statuses.

1.2.17 Delete Sales Credits

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete sales credits.
- Delete sales credits records in table AS_SALES_CREDITS.

Procedure Specification

```

PROCEDURE Delete_Sales_Credits
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER   DEFAULT NULL,
  p_sales_credit_tbl      IN      AS_OPPORTUNITY_PUB.Sales_Credit_tbl_Type,
  p_check_access_flag    IN      VARCHAR2,
  p_admin_flag           IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl          IN      AS_UTILITY_PUB.Profile_Tbl_Type
                          DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_sales_credit_out_tbl OUT NOCOPY Sales_Credit_Out_Tbl_Type,

```

```

x_return_status      OUT NOCOPY   VARCHAR2,
x_msg_count          OUT NOCOPY   NUMBER,
x_msg_data           OUT NOCOPY   VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_sales_credit_tbl	PL/SQL table of sales credits to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_sales_credit_out_tbl	The identifiers of the deleted sales credits and their statuses.

1.2.18 Create Obstacles

Function Description

This procedure will perform the following functions:

- Check for user privileges to create opportunity obstacles.
- Validate the data in the obstacle table.
- Insert obstacle records to table AS_LEAD_OBSTACLES.

Procedure Specification

```

PROCEDURE Create_Obstacles
(
  p_api_version_number      IN      NUMBER,
  p_init_msg_list           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                  IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level        IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id  IN      NUMBER  DEFAULT NULL,
  p_obstacle_tbl           IN      AS_OPPORTUNITY_PUB.Obstacle_tbl_Type,
  p_check_access_flag       IN      VARCHAR2,
  p_admin_flag             IN      VARCHAR2,
  p_admin_group_id         IN      NUMBER,
  p_partner_cont_party_id  IN      NUMBER,
  p_profile_tbl            IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_obstacle_out_tbl       OUT     NOCOPY  Obstacle_Out_Tbl_Type,
  x_return_status          OUT     NOCOPY  VARCHAR2,
  x_msg_count              OUT     NOCOPY  NUMBER,
  x_msg_data               OUT     NOCOPY  VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_obstacle_tbl	PL/SQL table of obstacles to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter

x_obstacle_out_tbl	The identifiers of the created obstacles and their statuses.
--------------------	--

1.2.19 Update Obstacles

Function Description

This procedure will perform the following functions:

- Check for user privileges to update opportunity obstacles.
- Validate the data in the obstacle table.
- Update obstacle records in table AS_LEAD_OBSTACLES.

Procedure Specification

```
PROCEDURE Update_Obstacles
(
  p_api_version_number      IN      NUMBER,
  p_init_msg_list           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                  IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level        IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER DEFAULT NULL,
  p_obstacle_tbl           IN      AS_OPPORTUNITY_PUB.Obstacle_tbl_Type,
  p_check_access_flag       IN      VARCHAR2,
  p_admin_flag              IN      VARCHAR2,
  p_admin_group_id         IN      NUMBER,
  p_partner_cont_party_id  IN      NUMBER,
  p_profile_tbl            IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_obstacle_out_tbl       OUT NOCOPY Obstacle_Out_Tbl_Type,
  x_return_status          OUT NOCOPY VARCHAR2,
  x_msg_count              OUT NOCOPY NUMBER,
  x_msg_data               OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_obstacle_tbl	PL/SQL table of obstacles to be updated

p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_obstacle_out_tbl	The identifiers of the updated obstacles and their statuses.

1.2.20 Delete Obstacles

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete obstacles.
- Delete obstacle records from table AS_LEAD_OBSTACLES.

Procedure Specification

```

PROCEDURE Delete_Obstacles
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER   DEFAULT NULL,
  p_obstacle_tbl          IN      AS_OPPORTUNITY_PUB.Obstacle_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
  DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_obstacle_out_tbl     OUT NOCOPY Obstacle_Out_Tbl_Type,

```

```

x_return_status      OUT NOCOPY   VARCHAR2,
x_msg_count          OUT NOCOPY   NUMBER,
x_msg_data           OUT NOCOPY   VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_obstacle_tbl	PL/SQL table of obstacles to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_obstacle_out_tbl	The identifiers of the deleted obstacles and their statuses.

1.2.21 Create Competitor Products

Function Description

This procedure will perform the following functions:

- Check for user privileges to create opportunity competitor products.
- Validate the data in the competitor product table.
- Insert competitor product records to table AS_LEAD_COMP_PRODUCTS.

Procedure Specification

PROCEDURE Create_Competitor_Prods

```
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN     NUMBER  DEFAULT NULL,
  p_competitor_prod_tbl   IN      AS_OPPORTUNITY_PUB.Competitor_Prod_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN     NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_competitor_prod_out_tbl OUT NOCOPY Competitor_Prod_Out_Tbl_Type,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_competitor_prod_tbl	PL/SQL table of competitor products to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter

x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_competitor_prod_out_tbl	The identifiers of the created competitor products and their statuses.

1.2.22 Update Competitor Products

Function Description

This procedure will perform the following functions:

- Check for user privileges to update opportunity competitor products.
- Validate the data in the competitor product table.
- Update competitor product records in table AS_LEAD_COMP_PRODUCTS.

Procedure Specification

```
PROCEDURE Update_Competitor_Prods
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER  DEFAULT NULL,
  p_competitor_prod_tbl   IN      AS_OPPORTUNITY_PUB.Competitor_Prod_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_competitor_prod_out_tbl OUT NOCOPY Competitor_Prod_Out_Tbl_Type,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter

p_validation_level	Standard IN parameter
p_competitor_prod_tbl	PL/SQL table of competitor products to be updated
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_competitor_prod_out_tbl	The identifiers of the updated competitor products and their statuses.

1.2.23 Delete Competitor Products

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete competitor products.
- Delete competitor product records from table.

Procedure Specification

```
PROCEDURE Delete_Competitor_Prods
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                 IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER DEFAULT NULL,
  p_competitor_prod_tbl   IN      AS_OPPORTUNITY_PUB.Competitor_Prod_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
```

```

p_partner_cont_party_id IN      NUMBER,
p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                        DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_competitor_prod_out_tbl OUT NOCOPY Competitor_Prod_Out_Tbl_Type,
x_return_status        OUT NOCOPY VARCHAR2,
x_msg_count            OUT NOCOPY NUMBER,
x_msg_data             OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_competitor_prod_tbl	PL/SQL table of competitor products to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_competitor_prod_out_tbl	The identifiers of the deleted competitor products and their statuses.

1.2.24 Create Decision Factors

Function Description

This procedure will perform the following functions:

- Check for user privileges to create opportunity decision factors.

- Validate the data in the decision factor table.
- Insert decision factor records to table AS_LEAD_DECISION_FACTORS.

Procedure Specification

```

PROCEDURE Create_Decision_Factors
(
  p_api_version_number      IN      NUMBER,
  p_init_msg_list           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                  IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level        IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id  IN      NUMBER  DEFAULT NULL,
  p_decision_factor_tbl     IN      AS_OPPORTUNITY_PUB.Decision_Factor_tbl_Type,
  p_check_access_flag       IN      VARCHAR2,
  p_admin_flag              IN      VARCHAR2,
  p_admin_group_id         IN      NUMBER,
  p_partner_cont_party_id   IN      NUMBER,
  p_profile_tbl             IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_decision_factor_out_tbl OUT NOCOPY Decision_Factor_Out_Tbl_Type,
  x_return_status           OUT NOCOPY VARCHAR2,
  x_msg_count               OUT NOCOPY NUMBER,
  x_msg_data                OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_decision_factor_tbl	PL/SQL table of decision factors to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter

x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_decision_factor_out_tbl	The identifiers of the created decision factors and their statuses.

1.2.25 Update Decision Factors

Function Description

This procedure will perform the following functions:

- Check for user privileges to update opportunity decision factors.
- Validate the data in the decision factor table.
- Update decision factor records in table AS_LEAD_DECISION_FACTORS.

Procedure Specification

PROCEDURE Update_Decision_Factors

```
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER  DEFAULT NULL,
  p_decision_factor_tbl   IN      AS_OPPORTUNITY_PUB.Decision_Factor_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_decision_factor_out_tbl OUT NOCOPY Decision_Factor_Out_Tbl_Type,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter

p_validation_level	Standard IN parameter
p_decision_factor_tbl	PL/SQL table of decision factors to be updated
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_decision_factor_out_tbl	The identifiers of the updated decision factors and their statuses.

1.2.26 Delete Decision Factors

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete decision factors.
- Delete decision factor records from table AS_LEAD_DECISION_FACTORS.

Procedure Specification

```
PROCEDURE Delete_Decision_Factors
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                 IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER  DEFAULT NULL,
  p_decision_factor_tbl   IN      AS_OPPORTUNITY_PUB.Decision_Factor_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,

```

```

p_partner_cont_party_id IN      NUMBER,
p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                           DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_decision_factor_out_tbl OUT NOCOPY Decision_Factor_Out_Tbl_Type,
x_return_status        OUT NOCOPY VARCHAR2,
x_msg_count            OUT NOCOPY NUMBER,
x_msg_data             OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_decision_factor_tbl	PL/SQL table of decision factors to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_decision_factor_out_tbl	The identifiers of the deleted decision factors and their statuses.

1.2.27 Create Contacts

Function Description

This procedure will perform the following functions:

- Check for user privileges to create opportunity contacts.
- Validate the data in the contact table.

- Insert contact records to table AS_LEAD_CONTACTS_ALL.

Procedure Specification

```

PROCEDURE Create_Contacts
(
  p_api_version_number      IN      NUMBER,
  p_init_msg_list           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                  IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level        IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER DEFAULT NULL,
  p_contact_tbl             IN      AS_OPPORTUNITY_PUB.Contact_tbl_Type,
  p_header_rec              IN      HEADER_REC_TYPE DEFAULT G_MISS_HEADER_REC,
  p_check_access_flag       IN      VARCHAR2,
  p_admin_flag              IN      VARCHAR2,
  p_admin_group_id         IN      NUMBER,
  p_partner_cont_party_id  IN      NUMBER,
  p_profile_tbl             IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_contact_out_tbl         OUT NOCOPY Contact_Out_Tbl_Type,
  x_return_status           OUT NOCOPY VARCHAR2,
  x_msg_count               OUT NOCOPY NUMBER,
  x_msg_data                OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_header_rec	Record of the opportunity header which the contacts belong
p_contact_tbl	PL/SQL table of contacts to be created
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact

p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_contact_out_tbl	The identifiers of the created contacts and their statuses.

1.2.28 Update Contacts

Function Description

This procedure will perform the following functions:

- Check for user privileges to update opportunity contacts.
- Validate the data in the contact table.
- Update contact records in table AS_LEAD_CONTACTS_ALL.

Procedure Specification

```

PROCEDURE Update_Contacts
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                 IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER DEFAULT NULL,
  p_contact_tbl           IN      AS_OPPORTUNITY_PUB.Contact_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
  p_admin_flag            IN      VARCHAR2,
  p_admin_group_id       IN      NUMBER,
  p_partner_cont_party_id IN      NUMBER,
  p_profile_tbl           IN      AS_UTILITY_PUB.Profile_Tbl_Type
                                DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_contact_out_tbl       OUT NOCOPY Contact_Out_Tbl_Type,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter

p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_contact_tbl	PL/SQL table of contacts to be updated
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_contact_out_tbl	The identifiers of the updated contacts and their statuses.

1.2.29 Delete Contacts

Function Description

This procedure will perform the following functions:

- Check for user privileges to delete contacts.
- Delete contact records from table AS_LEAD_CONTACTS_ALL.

Procedure Specification

```
PROCEDURE Delete_Contacts
(
  p_api_version_number    IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit                IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level      IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_identity_salesforce_id IN      NUMBER  DEFAULT NULL,
  p_contact_tbl           IN      AS_OPPORTUNITY_PUB.Contact_tbl_Type,
  p_check_access_flag     IN      VARCHAR2,
```

```

p_admin_flag          IN    VARCHAR2,
p_admin_group_id     IN    NUMBER,
p_partner_cont_party_id IN    NUMBER,
p_profile_tbl        IN    AS_UTILITY_PUB.Profile_Tbl_Type
                        DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
x_contact_out_tbl    OUT NOCOPY Contact_Out_Tbl_Type,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2);
    
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_contact_tbl	PL/SQL table of contacts to be deleted
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_contact_out_tbl	The identifiers of the deleted contacts and their statuses.

1.2.30 Copy Opportunity

Function Description

This procedure will perform the following functions:

- Copies an existing opportunity to a new opportunity.
- Has an option to copy each of the associated sub-entities.
- Has an option to choose a new customer for the new opportunity.

Procedure Specification

```

PROCEDURE Copy_Opportunity
(
  p_api_version_number      IN      NUMBER,
  p_init_msg_list           IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_commit                  IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_validation_level        IN      NUMBER    DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_lead_id                 IN      NUMBER,
  p_description             IN      VARCHAR2  OPPTY NAME FOR NEW OPPTY
  p_copy_salesteam         IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_copy_opp_lines         IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_copy_lead_contacts     IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_copy_lead_competitors  IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_copy_sales_credits     IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_copy_methodology       IN      VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_new_customer_id        IN      NUMBER,
  p_new_address_id         IN      NUMBER,
  p_check_access_flag      IN      VARCHAR2,
  p_admin_flag             IN      VARCHAR2,
  p_admin_group_id        IN      NUMBER,
  p_identity_salesforce_id IN      NUMBER,
  p_salesgroup_id          IN      NUMBER    DEFAULT NULL,
  p_partner_cont_party_id  IN      NUMBER,
  p_profile_tbl            IN      AS_UTILITY_PUB.Profile_Tbl_Type
                          DEFAULT AS_UTILITY_PUB.G_MISS_PROFILE_TBL,
  x_return_status          OUT NOCOPY  VARCHAR2,
  x_msg_count              OUT NOCOPY  NUMBER,
  x_msg_data               OUT NOCOPY  VARCHAR2,
  x_lead_id                OUT NOCOPY  NUMBER
);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter

P_lead_id	The identifier of the opportunity to be copied
P_copy_salesteam	Whether or not to copy the sales team
P_copy_opp_lines	Whether or not to copy the purchase lines
P_copy_lead_contacts	Whether or not to copy the contacts
P_copy_lead_competitors	Whether or not to copy the competitors
P_copy_sales_credits	Whether or not to copy the sales credits. If choose to copy the sales credits, the purchase lines must be copied.
P_copy_methodology	Whether or not to copy the sales methodology
P_new_customer_id	If caller want to have the new opportunity for a new customer, set the new customer identifier for this parameter, otherwise pass NULL value for it.
P_new_address_id	If caller want to have the new opportunity for a new customer/address, set the new address identifier for this parameter, otherwise pass NULL value for it.
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_salesgroup_id	Sales group identifier of the logon user
p_partner_cont_party_id	The party identifier of the partner contact if the logon user is a partner contact
p_profile_tbl	Standard IN parameter
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter

x_lead_id	The identifier of the new opportunity
-----------	---------------------------------------

1.3 Access APIs

These APIs provide procedures for actions on the as_accesses_all table.

All procedures are defined in package AS_ACCESS_PUB listed below in the following order: Function, Procedure Name, and Current Version:

- [Create Sales Team](#), Create_SalesTeam, 2.0
- [Update Sales Team](#), Update_SalesTeam, 2.0
- [Delete Sales Team](#), Delete_SalesTeam, 2.0

See Also

- [Section 1.3.1, "Type Declaration"](#)
- [Section 1.3.2, "API Specifications"](#)

1.3.1 Type Declaration

Sales Team

This section defines the record/table type declarations, which are used in the access APIs. All the types are defined in package AS_ACCESS_PUB.

```

TYPE sales_team_rec_type IS RECORD (
  access_id                NUMBER                :=FND_API.G_MISS_NUM
  last_update_date         DATE                  := FND_API.G_MISS_DATE,
  last_updated_by          NUMBER                :=FND_API.G_MISS_NUM,
  creation_date            DATE                  := FND_API.G_MISS_DATE,
  created_by               NUMBER                :=FND_API.G_MISS_NUM,
  last_update_login        NUMBER                :=FND_API.G_MISS_NUM,
  freeze_flag              VARCHAR2(1)          := FND_API.G_MISS_CHAR,
  reassign_flag            VARCHAR2(1)          := FND_API.G_MISS_CHAR,
  team_leader_flag         VARCHAR2(1)          := FND_API.G_MISS_CHAR,
  customer_id              NUMBER                :=FND_API.G_MISS_NUM,
  address_id               NUMBER                :=FND_API.G_MISS_NUM,
  salesforce_id            NUMBER                :=FND_API.G_MISS_NUM,
  person_id                NUMBER                :=FND_API.G_MISS_NUM,
  job_title (*)            VARCHAR2(240)         := FND_API.G_MISS_CHAR,
  first_name (*)           VARCHAR2(20)          := FND_API.G_MISS_CHAR,

```

```

last_name (*)          VARCHAR2(40)      := FND_API.G_MISS_CHAR,
email_address (*)     VARCHAR2(240)     := FND_API.G_MISS_CHAR,
work_telephone (*)   VARCHAR2(60)      := FND_API.G_MISS_CHAR,
sales_group_id        NUMBER          :=FND_API.G_MISS_NUM,
sales_group_name (*)  VARCHAR2(60)      := FND_API.G_MISS_CHAR,
partner_customer_id   NUMBER          :=FND_API.G_MISS_NUM,
partner_address_id    NUMBER          :=FND_API.G_MISS_NUM,
partner_name (*)      VARCHAR2(50)     := FND_API.G_MISS_CHAR,
partner_number        VARCHAR2(30)     := FND_API.G_MISS_CHAR,
partner_city (*)      VARCHAR2(60)     := FND_API.G_MISS_CHAR,
partner_phone_number (*) VARCHAR2(25)   := FND_API.G_MISS_CHAR,
partner_area_code (*) VARCHAR2(10)     := FND_API.G_MISS_CHAR,
partner_extension (*) VARCHAR2(20)     := FND_API.G_MISS_CHAR,
created_person_id     NUMBER          :=FND_API.G_MISS_NUM,
lead_id              NUMBER          :=FND_API.G_MISS_NUM,
freeze_date          DATE            := FND_API.G_MISS_DATE,
reassign_reason       VARCHAR2(240)   := FND_API.G_MISS_CHAR,
reassign_request_date DATE          := FND_API.G_MISS_DATE,
reassign_requested_person_id NUMBER :=FND_API.G_MISS_NUM,
downloadable_flag (*) VARCHAR2(1)     := FND_API.G_MISS_CHAR,
attribute_category    VARCHAR2(30)     := FND_API.G_MISS_CHAR,
attribute1            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute2            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute3            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute4            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute5            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute6            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute7            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute8            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute9            VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute10           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute11           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute12           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute13           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute14           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
attribute15           VARCHAR2(150)   := FND_API.G_MISS_CHAR,
salesforce_role_code  VARCHAR2(30)    := FND_API.G_MISS_CHAR,
salesforce_relationship_code VARCHAR2(30) := FND_API.G_MISS_CHAR,
salesforce_relationship (*) VARCHAR2(80) := FND_API.G_MISS_CHAR,
sales_lead_id         NUMBER          :=FND_API.G_MISS_NUM,
partner_cont_party_id NUMBER          :=FND_API.G_MISS_NUM,
owner_flag            VARCHAR2(1)     := FND_API.G_MISS_CHAR,
created_by_tap_flag   VARCHAR2(1)     := FND_API.G_MISS_CHAR,
prn_keep_flag         VARCHAR2(1)     := FND_API.G_MISS_CHAR
);

```

(*) Indicates obsolete column.

```

TYPE sales_team_tbl_type    IS TABLE OF    sales_team_rec_type
                           INDEX BY BINARY_INTEGER;
G_MISS_SALES_TEAM_TBL      sales_team_tbl_type;
TYPE access_profile_rec_type IS RECORD (
  cust_access_profile_value  VARCHAR2(1)    := FND_API.G_MISS_CHAR,
  lead_access_profile_value  VARCHAR2(1)    := FND_API.G_MISS_CHAR,
  opp_access_profile_value   VARCHAR2(1)    := FND_API.G_MISS_CHAR,
  mgr_update_profile_value   VARCHAR2(1)    := FND_API.G_MISS_CHAR,
  admin_update_profile_value VARCHAR2(1)    := FND_API.G_MISS_CHAR
);

```

1.3.2 API Specifications

This section describes the functions, procedure specifications, and parameters of the Access APIs.

1.3.3 Create Sales Team

Function Description

This procedure will perform the following functions:

- Check for user privileges to create this sales team.
- Validate the data in the sales team record.
- Insert a new sales team record in table AS_ACCESSSES_ALL.

Procedure Specification

```

PROCEDURE Create_SalesTeam (
  p_api_version_number  IN      NUMBER,
  p_init_msg_list       IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit              IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level    IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_access_profile_rec  IN      ACCESS_PROFILE_REC_TYPE,
  p_check_access_flag   IN      VARCHAR2,
  p_admin_flag         IN      VARCHAR2,
  p_admin_group_id     IN      NUMBER,
  p_identity_salesforce_id IN  NUMBER,
  p_sales_team_rec     IN      SALES_TEAM_REC_TYPE,
  x_return_status      OUT NOCOPY VARCHAR2,
  x_msg_count         OUT NOCOPY NUMBER,

```

```

        x_msg_data          OUT NOCOPY    VARCHAR2,
        x_access_id        OUT NOCOPY    NUMBER
    );

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_access_profile_rec	Record containing access related profile. If the values of the profiles are not passed in, API will get them from fnd_profile.value
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_sales_team_rec	Record for the sales team to be created. The record will be validated before creation of the sales team
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter
x_access_id	The identifier of the created sales team

1.3.4 Update Sales Team

Function Description

This procedure will process the following functions:

- Check for user privileges to update this sales team.
- Validate the data in the sales team record.
- Update the sales team record in table AS_ACCESSSES_ALL.

Procedure Specification

```

PROCEDURE Update_SalesTeam (
    p_api_version_number      IN      NUMBER,
    p_init_msg_list           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit                  IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level        IN      NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_access_profile_rec      IN      ACCESS_PROFILE_REC_TYPE,
    p_check_access_flag       IN      VARCHAR2,
    p_admin_flag              IN      VARCHAR2,
    p_admin_group_id         IN      NUMBER,
    p_identity_salesforce_id  IN      NUMBER,
    p_sales_team_rec          IN      SALES_TEAM_REC_TYPE,
    x_return_status           OUT NOCOPY VARCHAR2,
    x_msg_count               OUT NOCOPY NUMBER,
    x_msg_data                OUT NOCOPY VARCHAR2,
    x_access_id               OUT NOCOPY NUMBER
);

```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_access_profile_rec	Record containing access related profile. If the values of the profiles are not passed in, API will get them from fnd_profile.value
p_check_access_flag	Standard IN parameter
p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_sales_team_rec	Record for the sales team to be updated. The record will be validated before the creation of a sales team
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter

x_access_id	The identifier of the updated sales team
-------------	--

1.3.5 Delete Sales Team

Function Description

This procedure will process the following functions:

- Check for user privileges to update this sales team.
- Delete the sales team record in table AS_ACCESSSES_ALL.

Procedure Specification

```
PROCEDURE Delete_SalesTeam (
    p_api_version_number    IN          NUMBER,
    p_init_msg_list         IN          VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit                IN          VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level      IN          NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_access_profile_rec    IN          ACCESS_PROFILE_REC_TYPE,
    p_check_access_flag     IN          VARCHAR2,
    p_admin_flag            IN          VARCHAR2,
    p_admin_group_id       IN          NUMBER,
    p_identity_salesforce_id IN        NUMBER,
    p_sales_team_rec        IN          SALES_TEAM_REC_TYPE,
    x_return_status         OUT NOCOPY  VARCHAR2,
    x_msg_count             OUT NOCOPY  NUMBER,
    x_msg_data              OUT NOCOPY  VARCHAR2
);
```

Parameter	Description
p_api_version	Standard IN parameter
p_init_msg_list	Standard IN parameter
p_commit	Standard IN parameter
p_validation_level	Standard IN parameter
p_access_profile_rec	Record containing access related profile. If the values of the profiles are not passed in, API will get them from fnd_profile.value
p_check_access_flag	Standard IN parameter

p_admin_flag	Standard IN parameter
p_admin_group_id	Standard IN parameter
p_identity_salesforce_id	Standard IN parameter
p_sales_team_rec	Record from the sales team to be updated. The record will be validated before the creation of a sales team
x_return_status	Standard OUT parameter
x_msg_count	Standard OUT parameter
x_msg_data	Standard OUT parameter

1.4 Funds APIs

This section covers the following Funds APIs:

- [Section 1.4.1, "Exchange APIs"](#)
- [Section 1.4.2, "Issue Listing APIs"](#)
- [Section 1.4.3, "Issue Listing Identifier APIs"](#)
- [Section 1.4.4, "Fund APIs"](#)
- [Section 1.4.5, "Fund Contact APIs"](#)
- [Section 1.4.6, "Group Issue Map APIs"](#)
- [Section 1.4.7, "Group Party Map APIs"](#)
- [Section 1.4.8, "Issue Group Identifier APIs"](#)
- [Section 1.4.9, "Issue Group Types APIs"](#)
- [Section 1.4.10, "Issue Group APIs"](#)
- [Section 1.4.11, "Issue APIs"](#)
- [Section 1.4.12, "Issuer APIs"](#)
- [Section 1.4.13, "Issue Relationship APIs"](#)

1.4.1 Exchange APIs

This section covers the Exchange APIs.

See Also

- [Section 1.4.1.1, "Create Exchange"](#)
- [Section 1.4.1.2, "Update Exchange"](#)
- [Section 1.4.1.3, "Delete Exchange"](#)

1.4.1.1 Create Exchange

This procedure creates an exchange and returns a unique exchange ID.

Procedure Specification

```
PROCEDURE Create_exchange (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_exchange_rec     IN AS_EXCHANGE_PUB.EXCHANGE_REC_TYPE DEFAULT G_MISS_EXCHANGE_
  REC,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2,
  x_exchange_id      OUT NOCOPY NUMBER);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An "unexpected error" is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_exchange_rec	AS_EXCHANGE_PUB.EXCHANGE_REC_TYPE	Yes	Although there is a default, this parameter is required because the default does not contain valid data to create an exchange. A record that contains data to create a valid exchange. The data in record will be validated before creation of the list.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.1.2 Update Exchange

This procedure updates an exchange, identified by a unique exchange ID.

Procedure Specification

```
PROCEDURE Update_exchange (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_exchange_rec     IN AS_EXCHANGE_PUB.EXCHANGE_REC_TYPE,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
```

```
x_msg_data      OUT NOCOPY  VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_exchange_rec	AS_EXCHANGE_PUB.EXCHANGE_REC_TYPE	Yes	A record that contains data to create a valid exchange. The data in record will be validated before creation of the list.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
------------	----------------	---

1.4.1.3 Delete Exchange

This procedure removes an exchange from database, identified by a unique exchange ID.

Procedure Specification

```
PROCEDURE Delete_exchange (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_exchange_id      IN NUMBER,
  x_return_status    OUT NOCOPY  VARCHAR2,
  x_msg_count        OUT NOCOPY  NUMBER,
  x_msg_data         OUT NOCOPY  VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_exchange_id	NUMBER	Yes	A unique ID that identifies a specific exchange.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.2 Issue Listing APIs

This section covers the Issue Listing APIs.

See Also

- [Section 1.4.2.1, "Create Issue Listing"](#)
- [Section 1.4.2.2, "Update Issue Listing"](#)
- [Section 1.4.2.3, "Delete Issue Listing"](#)

1.4.2.1 Create Issue Listing

This procedure creates an issue listing that is made up of an exchange and an issue.

Procedure Specification

```

PROCEDURE Create_issue_listing (
  p_api_version      IN      NUMBER,
  p_init_msg_list    IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN      VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN      NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_listing_rec IN      AS_EXCHANGE_PUB.ISSUE_LISTING_REC_TYPE DEFAULT G_MISS_
  ISSUE_LISTING_REC,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_listing_rec	AS_EXCHANGE_PUB.ISSUE_LISTING_REC_TYPE	Yes	A record that contains the necessary information such as: issue ID, exchange ID, scheme, etc., to create an issue listing.

OUT Parameter	Data Type	Description
---------------	-----------	-------------

x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.2.2 Update Issue Listing

This procedure updates an issue listing, identified by an issue ID and exchange ID combination.

Procedure Specification

```
PROCEDURE Update_issue_listing (
  p_api_version    IN  NUMBER,
  p_init_msg_list  IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit         IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_listing_rec IN AS_EXCHANGE_PUB.ISSUE_LISTING_REC_TYPE,
  x_return_status  OUT NOCOPY VARCHAR2,
  x_msg_count      OUT NOCOPY NUMBER,
  x_msg_data       OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
--------------	-----------	----------	-------------

p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_listing_rec	AS_EXCHANGE_PUB.ISSUE_LISTING_REC_TYPE	Yes	A record that contains the necessary information such as: issue ID, exchange ID, name, description, country code, etc., to change an issue listing.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.2.3 Delete Issue Listing

This procedure removes an issue listing from database, identified by an issue ID and exchange ID combination.

Procedure Specification

```

PROCEDURE Delete_issue_listing (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_exchange_id      IN NUMBER,
  p_issue_id         IN NUMBER,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_exchange_id	NUMBER	Yes	An ID, together with the issue ID, that identifies a specific issue listing.
p_issue_id	NUMBER	Yes	An ID, together with the exchange ID, that identifies a specific issue listing.

OUT Parameter	Data Type	Description
---------------	-----------	-------------

x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.3 Issue Listing Identifier APIs

This section covers the Issue Listing Identifier APIs.

See Also

- [Section 1.4.3.1, "Create Issue Listing Identifier"](#)
- [Section 1.4.3.2, "Update Issue Listing Identifier"](#)
- [Section 1.4.3.3, "Delete Issue Listing Identifier"](#)

1.4.3.1 Create Issue Listing Identifier

This procedure creates an issue listing identifier that is made up of an exchange and an issue. A unique ID will be returned for the created issue listing identifier.

Procedure Specification

```
PROCEDURE Create_issue_listing_idfr (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_listing_idfr_rec IN AS_EXCHANGE_PUB.ISSUE_LISTING_IDFR_REC_TYPE
  DEFAULT G_MISS_ISSUE_LISTING_IDFR_REC,
  x_return_status    OUT NOCOPY  VARCHAR2,
  x_msg_count        OUT NOCOPY  NUMBER,
  x_msg_data         OUT NOCOPY  VARCHAR2,
```

```
x_issue_listing_idfr_id OUT NOCOPY NUMBER);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_listing_idfr_rec	AS_EXCHANGE_PUB.ISSUE_LISTING_IDFR_REC_TYPE	Yes	A record that contains necessary data to create an issue listing identifier. Such data consists of a valid exchange id, issue id, scheme, value, search code, etc.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
x_issue_listing_idfr_id	NUMBER	A unique ID to identify the created issue listing identifier.

1.4.3.2 Update Issue Listing Identifier

This procedure updates an issue listing identifier that is made up of an exchange and an issue, using a unique issue listing identifier ID.

Procedure Specification

```
PROCEDURE Update_issue_listing_idfr (
  p_api_version      IN  NUMBER,
  p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_listing_idfr_rec IN AS_EXCHANGE_PUB.ISSUE_LISTING_IDFR_REC_TYPE,
  x_return_status    OUT NOCOPY  VARCHAR2,
  x_msg_count        OUT NOCOPY  NUMBER,
  x_msg_data         OUT NOCOPY  VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_listing_idfr_rec	AS_EXCHANGE_PUB.ISSUE_LISTING_IDFR_REC_TYPE	Yes	A record that contains data to change an issue listing identifier. Such data consists of a valid exchange id, issue id, scheme, value, search code, etc.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.3.3 Delete Issue Listing Identifier

This procedure removes an issue listing identifier from database, using a unique issue listing identifier ID.

Procedure Specification

```

PROCEDURE Delete_issue_listing_idfr (
  p_api_version          IN  NUMBER,
  p_init_msg_list        IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit               IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level     IN  NUMBER  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_listing_idfr_id IN  NUMBER,
  x_return_status        OUT NOCOPY VARCHAR2,
  x_msg_count            OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. . An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_listing_idfr_id	NUMBER	Yes	A unique ID of an issue listing identifier to be deleted.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.4 Fund APIs

This section covers the Fund APIs.

See Also

- [Section 1.4.4.1, "Create Fund"](#)
- [Section 1.4.4.2, "Update Fund"](#)
- [Section 1.4.4.3, "Delete Fund"](#)

1.4.4.1 Create Fund

This procedure creates fund.

Procedure Specification

```
PROCEDURE Create_fund (
  p_api_version      IN  NUMBER,
  p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_fund_rec         IN  AS_FUND_PUB.FUND_REC_TYPE DEFAULT G_MISS_FUND_REC,
  x_return_status    OUT NOCOPY  VARCHAR2,
  x_msg_count        OUT NOCOPY  NUMBER,
  x_msg_data         OUT NOCOPY  VARCHAR2,
  x_fund_id          OUT NOCOPY  NUMBER);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_fund_rec	AS_FUND_PUB.FUND_REC_TYPE	Yes	A record that contains necessary data to create a fund.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
x_fund_id	NUMBER	A unique number that identifies a specific fund.

1.4.4.2 Update Fund

This procedure changes data of a fund.

Procedure Specification

```

PROCEDURE Update_fund (
  p_api_version          IN NUMBER,
  p_init_msg_list        IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit               IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level     IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_fund_rec             IN AS_FUND_PUB.FUND_REC_TYPE,
  x_return_status        OUT NOCOPY VARCHAR2,
  x_msg_count            OUT NOCOPY NUMBER,
  x_msg_data             OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_fund_rec	AS_FUND_PUB.FUND_REC_TYPE	Yes	A record that contains new data to change an existing fund.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.4.3 Delete Fund

This procedure removes an existing fund from database.

Procedure Specification

```
PROCEDURE Delete_fund (
    p_api_version      IN  NUMBER,
    p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_fund_id          IN  NUMBER,
    x_return_status    OUT NOCOPY VARCHAR2,
    x_msg_count        OUT NOCOPY NUMBER,
    x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_fund_id	NUMBER	Yes	An ID used to identify a specific fund, to be deleted.

OUT Parameter	Data Type	Description
---------------	-----------	-------------

x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.5 Fund Contact APIs

This section covers the Fund Contact APIs.

See Also

- [Section 1.4.5.1, "Create Fund Contact"](#)
- [Section 1.4.5.2, "Update Fund Contact"](#)
- [Section 1.4.5.3, "Delete Fund Contact"](#)

1.4.5.1 Create Fund Contact

This procedure creates a contact for a fund.

Procedure Specification

```
PROCEDURE Create_fund_contact (
  p_api_version      IN  NUMBER,
  p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_fund_contact_rec IN  AS_FUND_PUB.FUND_CONTACT_REC_TYPE DEFAULT G_MISS_FUND_
CONTACT_REC,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_fund_contact_rec	AS_FUND_PUB.FUND_CONTACT_REC_TYPE	Yes	A record that contains information about a party who is fund contact.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
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1.4.5.2 Update Fund Contact

This procedure updates information about a contact for a fund.

Procedure Specification

```
PROCEDURE Update_fund_contact (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_fund_contact_rec IN AS_FUND_PUB.FUND_CONTACT_REC_TYPE,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.

p_fund_contact_rec	AS_FUND_PUB.FUND_CONTACT_REC_TYPE	Yes	A record that contains information about a party who is fund contact.
--------------------	-----------------------------------	-----	---

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.5.3 Delete Fund Contact

This procedure deletes information about a contact for a fund.

Procedure Specification

```
PROCEDURE Delete_fund_contact (
    p_api_version      IN  NUMBER,
    p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validation_level IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_fund_id          IN  NUMBER,
    p_party_id         IN  NUMBER,
    x_return_status    OUT NOCOPY VARCHAR2,
    x_msg_count        OUT NOCOPY NUMBER,
    x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_fund_id	NUMBER	Yes	An ID that identifies a fund.
P_party_id	NUMBER	Yes	An ID that identifies a contacting party for a fund.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.6 Group Issue Map APIs

This section covers the Group Issue Map APIs.

See Also

- [Section 1.4.6.1, "Create Group Issue Map"](#)
- [Section 1.4.6.2, "Create Multiple Group Issue Map"](#)
- [Section 1.4.6.3, "Update Group Issue Map"](#)
- [Section 1.4.6.4, "Delete Group Issue Map"](#)

1.4.6.1 Create Group Issue Map

An issue group consists of a group of issues. This procedure creates a mapping between an issue group and issue. The mapping also stores additional information regarding the issue in context of the issue group. There can be only one mapping between a particular issue group and issue. Issue group id and issue id are validated to check if they are valid ID's.

Procedure Specification

```
PROCEDURE Create_group_issue_map (
  p_api_version          IN NUMBER,
  p_init_msg_list       IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit              IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validate_level      IN VARCHAR2 DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id     IN NUMBER,
  p_issue_id           IN NUMBER,
  p_last_interest_date IN DATE      DEFAULT FND_API.G_MISS_DATE,
  p_target_price       IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
  p_buy_sell_indicator IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_holding            IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
  p_currency_code     IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_net_change        IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
  p_security_group_id  IN NUMBER,
  p_attribute_category IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
```

```

p_attribute9          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute10         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute11         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status      OUT  NOCOPY VARCHAR2,
x_msg_count           OUT  NOCOPY NUMBER,
x_msg_data           OUT  NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies a issue group
p_issue_id	NUMBER	Yes	An ID that identifies a issue
p_last_interest_date	DATE	No	Date of last interest for the issue
p_target_price	NUMBER	No	Target price for the issue
p_buy_sell_indicator	VARCHAR2(1)	No	Flag to indicate buy or sell for this issue of the issue group
p_holding	NUMBER	No	Number of items of this issue that the customer holds, or is interested in.

p_currency_code	VARCHAR2	No	International currency code
p_net_change	NUMBER	No	Net change in the number of items of this issue

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.6.2 Create Multiple Group Issue Map

This procedure can be used to create multiple mappings between issue groups and issues with one API call. It calls the create group issue map API internally.

Procedure Specification

```
PROCEDURE Create_multi_group_issue_map (
    p_api_version      IN  NUMBER,
    p_init_msg_list    IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
    p_commit           IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
    p_validate_level   IN  VARCHAR2    DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_issue_tbl        IN  AS_ISSUE_GROUP_PVT.G_ISSUE_TBL_TYPE,
    p_security_group_id IN  NUMBER,
    x_return_status    OUT NOCOPY VARCHAR2,
    x_msg_count        OUT NOCOPY NUMBER,
    x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_tbl	AS_ISSUE_GROUP_PVT.G_ISSUE_TBL_TYPE	Yes	Table of group issue maps that are to be created

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.6.3 Update Group Issue Map

This procedure can be used to update issue group mapping.

Procedure Specification

```

PROCEDURE Update_group_issue_map (
    p_api_version           IN NUMBER,
    p_init_msg_list        IN VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_commit                IN VARCHAR2 DEFAULT FND_API.G_FALSE,
    p_validate_level       IN VARCHAR2 DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_issue_group_id       IN NUMBER,
    p_issue_id             IN NUMBER,
    p_last_interest_date   IN DATE      DEFAULT FND_API.G_MISS_DATE,
    p_target_price         IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
    p_buy_sell_indicator   IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_holding              IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
    p_currency_code       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_net_change          IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
    p_security_group_id    IN NUMBER,
    p_attribute_category   IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute1           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute2           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute3           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute4           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute5           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute6           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute7           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute8           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute9           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute10          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute11          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute12          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute13          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute14          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    p_attribute15          IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
    x_return_status        OUT NOCOPY VARCHAR2,
    x_msg_count            OUT NOCOPY NUMBER,
    x_msg_data             OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
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p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies issue group.
p_issue_id	NUMBER	Yes	An ID that identifies issue.
p_last_interest_date	DATE	No	Date of last interest for the issue.
p_target_price	NUMBER	No	Target price for the issue.
p_buy_sell_indicator	VARCHAR2(1)	No	Flag to indicate buy or sell for this issue of the issue group.
p_holding	NUMBER	No	Number of items of this issue the customer holds or is interested in.
p_currency_code	VARCHAR2	No	International currency code.
p_net_change	NUMBER	No	Net change in the number of items of this issue.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
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1.4.6.4 Delete Group Issue Map

This procedure can be used to delete a group issue mapping. Both issue group id and issue id need to be passed as they uniquely identify a group issue mapping.

Procedure Specification

```
PROCEDURE Delete_group_issue_map (
  p_api_version      IN    NUMBER DEFAULT 1.0,
  p_init_msg_list    IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN    VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level IN    NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id   IN    NUMBER,
  p_issue_id         IN    NUMBER,
  p_security_group_id IN    NUMBER,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies issue group.
p_issue_id	NUMBER	Yes	An ID that identifies issue.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.7 Group Party Map APIs

This section covers the Group Party Map APIs.

See Also

- [Section 1.4.7.1, "Create Group Party Map"](#)
- [Section 1.4.7.2, "Update Group Party Map"](#)
- [Section 1.4.7.3, "Delete Group Party Map"](#)

1.4.7.1 Create Group Party Map

Several parties can have interest in an issue group. An organization or individual may be interested in several issue groups. This procedure creates a mapping between an issue group and a party. There can be only one mapping for a given issue_group_id and party_id.

Procedure Specification

```

PROCEDURE Create_group_party_map (
  p_api_version      IN NUMBER,
  p_init_msg_list    IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validate_level   IN VARCHAR2 DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id  IN NUMBER,
  p_party_id        IN NUMBER,
  p_last_interest_date IN DATE      DEFAULT FND_API.G_MISS_DATE,
  p_start_date_active IN DATE,
  p_end_date_active  IN DATE      DEFAULT FND_API.G_MISS_DATE,
  p_net_change       IN NUMBER    DEFAULT FND_API.G_MISS_NUM,
  p_security_group_id IN NUMBER,
  p_attribute_category IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9       IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute11      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute12      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute13      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute14      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute15      IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
--------------	-----------	----------	-------------

p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies a issue group.
p_issue_id	NUMBER	Yes	An ID that identifies a issue.
p_last_interest_date	DATE	No	Date of last interest for the issue.
p_start_date_active	DATE	Yes	Start Date from which this mapping becomes valid.
p_end_date_active	DATE	No	End Date from which this mapping becomes invalid.
p_net_change	NUMBER	No	Net change in the number of items of this issue.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.7.2 Update Group Party Map

This procedure can be used to update an existing group party mapping.

Procedure Specification

```
PROCEDURE Update_group_party_map (
  p_api_version          IN NUMBER,
  p_init_msg_list       IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit              IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validate_level      IN VARCHAR2 DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id     IN NUMBER,
  p_party_id           IN NUMBER,
  p_last_interest_date IN DATE       DEFAULT FND_API.G_MISS_DATE,
  p_start_date_active  IN DATE,
  p_end_date_active    IN DATE       DEFAULT FND_API.G_MISS_DATE,
  p_net_change         IN NUMBER     DEFAULT FND_API.G_MISS_NUM,
  p_security_group_id  IN NUMBER,
  p_attribute_category IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute11        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute12        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute13        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute14        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  p_attribute15        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
  x_return_status      OUT NOCOPY VARCHAR2,
  x_msg_count          OUT NOCOPY NUMBER,
  x_msg_data           OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
--------------	-----------	----------	-------------

p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies issue group.
p_issue_id	NUMBER	Yes	An ID that identifies issue.
p_last_interest_date	DATE	No	Date of last interest for the issue.
p_target_price	NUMBER	No	Target price for the issue.
p_buy_sell_indicator	VARCHAR2(1)	No	Flag to indicate buy or sell for this issue of the issue group.
p_holding	NUMBER	No	Number of items of this issue the customer holds or is interested in.
p_currency_code	VARCHAR2	No	International currency code.
p_net_change	NUMBER	No	Net change in the number of items of this issue.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.

x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.7.3 Delete Group Party Map

This procedure can be used to delete a group party mapping. Both issue group id and party id need to be passed as they uniquely identify a group party mapping.

Procedure Specification

```
PROCEDURE Delete_group_party_map (
  p_api_version      IN  NUMBER DEFAULT 1.0,
  p_init_msg_list    IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validate_level   IN  NUMBER   DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id   IN  NUMBER,
  p_party_id         IN  NUMBER,
  p_security_group_id IN  NUMBER,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies issue group.
p_party_id	NUMBER	Yes	An ID that identifies party.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.8 Issue Group Identifier APIs

This section covers the Issue Group Identifier APIs.

See Also

- [Section 1.4.8.1, "Create Issue Group Identifier"](#)
- [Section 1.4.8.2, "Update Issue Group Identifier"](#)
- [Section 1.4.8.3, "Delete Issue Group Identifier"](#)

1.4.8.1 Create Issue Group Identifier

This procedure can be used to create issue group identifiers that can be used to identify issue groups.

Procedure Specification

```

PROCEDURE Create_issue_group_idfr (
  p_api_version          IN NUMBER          DEFAULT 1.0,
  p_init_msg_list        IN VARCHAR2        DEFAULT FND_API.G_FALSE,
  p_commit                IN VARCHAR2        DEFAULT FND_API.G_FALSE,
  p_validation_level      IN NUMBER          DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_id        IN NUMBER,
  p_scheme                IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_value                 IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_search_code           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_security_group_id     IN NUMBER,
  p_attribute_category    IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute11           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute12           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute13           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute14           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute15           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  x_return_status         OUT NOCOPY VARCHAR2,
  x_msg_count             OUT NOCOPY NUMBER,
  x_msg_data              OUT NOCOPY VARCHAR2,
  x_issue_group_idfr_id   OUT NOCOPY NUMBER);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
--------------	-----------	----------	-------------

p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	An ID that identifies a issue group
p_scheme	VARCHAR2	No	Values are defined in FND_LOOKUP AS_ISSUE_SCHEME. Scheme is part of cross reference.
p_value	VARCHAR2	No	Actual value
p_search_code	VARCHAR2	No	Search code

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

x_issue_group_idfr_id	NUMBER	Unique issue group identifier number for the record created.
-----------------------	--------	--

1.4.8.2 Update Issue Group Identifier

This procedure can be used to update an existing issue group identifier.

Procedure Specification

```

PROCEDURE Update_issue_group_idfr(
  p_api_version          IN NUMBER          DEFAULT 1.0,
  p_init_msg_list        IN VARCHAR2       DEFAULT FND_API.G_FALSE,
  p_commit               IN VARCHAR2       DEFAULT FND_API.G_FALSE,
  p_validation_level     IN NUMBER         DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_idfr_id IN NUMBER,
  p_issue_group_id       IN NUMBER,
  p_scheme               IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_value                IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_search_code          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_security_group_id    IN NUMBER,
  p_attribute_category   IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9           IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute11          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute12          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute13          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute14          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  p_attribute15          IN VARCHAR2       DEFAULT FND_API.G_MISS_CHAR,
  x_return_status        OUT NOCOPY VARCHAR2,
  x_msg_count            OUT NOCOPY NUMBER,
  x_msg_data             OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	ID that identifies issue group.
p_issue_group_idfr_id	NUMBER	Yes	Unique Issue group identifier ID.
p_scheme	VARCHAR2	No	Values are defined in FND_LOOKUP AS_ISSUE_SCHEME. Scheme is part of cross reference
p_value	VARCHAR2	No	Actual value
p_search_code	VARCHAR2	No	Search code

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
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1.4.8.3 Delete Issue Group Identifier

This procedure can be used to delete issue group identifier.

Procedure Specification

```
PROCEDURE Delete_issue_group_idfr(
  p_api_version      IN NUMBER      DEFAULT 1.0,
  p_init_msg_list    IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validation_level IN NUMBER      DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_idfr_id IN NUMBER,
  p_security_group_id IN NUMBER,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.

p_issue_group_idfr_id	NUMBER	Yes	ID that identifies issue group identifier.
-----------------------	--------	-----	--

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.9 Issue Group Types APIs

This section covers the Issue Group Types APIs.

See Also

- [Section 1.4.9.1, "Create Issue Group Types"](#)
- [Section 1.4.9.2, "Update Issue Group Type"](#)
- [Section 1.4.9.3, "Delete Issue Group Type"](#)

1.4.9.1 Create Issue Group Types

This procedure can be used to create issue group types. Issue group type code needs to be unique.

Procedure Specification

```
PROCEDURE Create_issue_group_types(
  p_api_version          IN NUMBER          DEFAULT 1.0,
  p_init_msg_list       IN VARCHAR2       DEFAULT FND_API.G_FALSE,
  p_commit              IN VARCHAR2       DEFAULT FND_API.G_FALSE,
```

```

p_validate_level          IN  NUMBER    DEFAULT FND_API.G_VALID_LEVEL_FULL,
p_issue_group_type_code  IN  VARCHAR2,
p_meaning                 IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_description             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_client_contact_enabled_flag IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_client_org_enabled_flag IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_enabled_flag           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_security_group_id      IN  NUMBER,
p_attribute_category     IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute1             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute2             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute3             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute4             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute5             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute6             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute7             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute8             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute9             IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute10            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute11            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute12            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute13            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute14            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute15            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
x_return_status          OUT NOCOPY VARCHAR2,
x_msg_count              OUT NOCOPY NUMBER,
x_msg_data                OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.

p_validation_level	NUMBER	No	Level of validation required. None means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_type_code	VARCHAR2	Yes	Unique string that identifies the issue group type.
p_meaning	VARCHAR2	No	The actual value of the issue group type that is displayed to the user.
p_description	VARCHAR2	No	Description of the issue group type.
p_client_contact_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is client contact enabled.
p_client_org_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is client org enabled.
p_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is enabled.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.9.2 Update Issue Group Type

This procedure can be used to update an existing issue group type. Issue group type code is required since it is the primary key.

Procedure Specification

```
PROCEDURE Update_issue_group_types(
```

```

p_api_version          IN NUMBER    DEFAULT 1.0,
p_init_msg_list       IN VARCHAR2  DEFAULT FND_API.G_FALSE,
p_commit              IN VARCHAR2  DEFAULT FND_API.G_FALSE,
p_validate_level      IN NUMBER    DEFAULT FND_API.G_VALID_LEVEL_FULL,
p_issue_group_type_code IN VARCHAR2,
p_meaning             IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_description         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_client_contact_enabled_flag IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_client_org_enabled_flag IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_enabled_flag        IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_security_group_id   IN NUMBER,
p_attribute_category  IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute1          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute2          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute3          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute4          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute5          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute6          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute7          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute8          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute9          IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute10         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute11         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
x_return_status       OUT NOCOPY VARCHAR2,
x_msg_count           OUT NOCOPY NUMBER,
x_msg_data            OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.

p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_type_code	VARCHAR2	Yes	Unique string that identifies the issue group type. Cannot be updated since it is the primary key.
p_meaning	VARCHAR2	No	The actual value of the issue group type that is displayed to the user.
p_description	VARCHAR2	No	Description of the issue group type.
p_client_contact_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is client contact enabled.
p_client_org_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is client org enabled.
p_enabled_flag	VARCHAR2(1)	No	Flag indicating if the issue group type is enabled.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.9.3 Delete Issue Group Type

This procedure can be used to delete an issue group type.

Procedure Specification

```
PROCEDURE Delete_issue_group_types(
  p_api_version          IN  NUMBER    DEFAULT 1.0,
  p_init_msg_list       IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_commit              IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_validate_level      IN  NUMBER    DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_group_type_code IN  VARCHAR2,
  p_security_group_id   IN  NUMBER,
  x_return_status       OUT NOCOPY VARCHAR2,
  x_msg_count          OUT NOCOPY NUMBER,
  x_msg_data            OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. None means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_type_code	VARCHAR2	Yes	Unique string that identifies an issue group type.

OUT Parameter	Data Type	Description
---------------	-----------	-------------

x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.10 Issue Group APIs

This section covers the Issue Group APIs.

See Also

- [Section 1.4.10.1, "Create Issue Group"](#)
- [Section 1.4.10.2, "Update Issue Group"](#)
- [Section 1.4.10.3, "Delete Issue Group"](#)

1.4.10.1 Create Issue Group

This procedure can be used to create an issue group.

Procedure Specification

```

PROCEDURE Create_issue_groups(
  p_api_version          IN NUMBER      DEFAULT 1.0,
  p_init_msg_list        IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit                IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validation_level     IN NUMBER      DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_name                  IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_start_date_active    IN DATE        DEFAULT FND_API.G_MISS_DATE,
  p_end_date_active      IN DATE        DEFAULT FND_API.G_MISS_DATE,
  p_orig_system_reference IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_orig_system_reference_id IN NUMBER  DEFAULT FND_API.G_MISS_NUM,
  p_issue_group_type_code IN VARCHAR2,

```

```

p_security_group_id      IN  NUMBER,
p_attribute_category    IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute1            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute2            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute3            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute4            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute5            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute6            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute7            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute8            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute9            IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute10           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute11           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute12           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute13           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute14           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
p_attribute15           IN  VARCHAR2  DEFAULT FND_API.G_MISS_CHAR,
x_return_status        OUT NOCOPY VARCHAR2,
x_msg_count            OUT NOCOPY NUMBER,
x_msg_data             OUT NOCOPY VARCHAR2,
x_issue_group_id       OUT NOCOPY NUMBER);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.

p_issue_group_type_code	VARCHAR2	Yes	Unique string that identifies a issue group type.
p_name	VARCHAR2	No	Name of the Issue group.
p_start_date_active	DATE	No	Date when issue group becomes valid.
p_end_date_active	DATE	No	Date when issue group becomes invalid.
p_orig_system_reference	VARCHAR2	No	Reference Code of the source of this issue group.
p_orig_system_reference_id	NUMBER	No	Reference id of the source of this issue group.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
x_issue_group_id	NUMBER	Unique issue group id for the record created.

1.4.10.2 Update Issue Group

This procedure can be used to update an existing issue group identifier.

Procedure Specification

```
PROCEDURE Update_issue_groups(
  p_api_version          IN NUMBER          DEFAULT 1.0,
  p_init_msg_list       IN VARCHAR2       DEFAULT FND_API.G_FALSE,
  p_commit              IN VARCHAR2       DEFAULT FND_API.G_FALSE,
  p_validation_level    IN NUMBER          DEFAULT FND_API.G_VALID_LEVEL_FULL,
```

```

p_issue_group_id      IN  NUMBER,
p_name                IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_start_date_active  IN  DATE      DEFAULT FND_API.G_MISS_DATE,
p_end_date_active     IN  DATE      DEFAULT FND_API.G_MISS_DATE,
p_orig_system_reference IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_orig_system_reference_id IN NUMBER  DEFAULT FND_API.G_MISS_NUM,
p_issue_group_type_code IN VARCHAR2,
p_security_group_id   IN  NUMBER,
p_attribute_category  IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute1          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute2          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute3          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute4          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute5          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute6          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute7          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute8          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute9          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute10         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute11         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.

p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	ID that identifies issue group.
p_issue_group_type_code	VARCHAR2	Yes	Unique string that identifies a issue group type.
p_name	VARCHAR2	No	Name of the Issue group.
p_start_date_active	DATE	No	Date when issue group becomes valid.
p_end_date_active	DATE	No	Date when issue group becomes invalid.
p_orig_system_reference	VARCHAR2	No	Reference Code of the source of this issue group.
p_orig_system_reference_id	NUMBER	No	Reference id of the source of this issue group.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.10.3 Delete Issue Group

This procedure can be used to delete issue group identifier.

Procedure Specification

```
PROCEDURE Delete_issue_groups(
    p_api_version      IN NUMBER      DEFAULT 1.0,
    p_init_msg_list    IN VARCHAR2    DEFAULT FND_API.G_FALSE,
    p_commit            IN VARCHAR2    DEFAULT FND_API.G_FALSE,
    p_validation_level  IN NUMBER      DEFAULT FND_API.G_VALID_LEVEL_FULL,
    p_issue_group_id   IN NUMBER,
    p_security_group_id IN NUMBER,
    x_return_status    OUT NOCOPY VARCHAR2,
    x_msg_count        OUT NOCOPY NUMBER,
    x_msg_data         OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_group_id	NUMBER	Yes	ID that identifies issue group.

OUT Parameter	Data Type	Description
---------------	-----------	-------------

x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.11 Issue APIs

This section contains information about the Issue APIs.

See Also

- [Section 1.4.11.1, "Create Issue"](#)
- [Section 1.4.11.2, "Update Issue"](#)
- [Section 1.4.11.3, "Delete Issue"](#)

1.4.11.1 Create Issue

This procedure can be used to create an issue.

Procedure Specification

```
PROCEDURE Create_issues (
  p_api_version      IN  NUMBER      DEFAULT 1.0,
  p_init_msg_list    IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validate_level   IN  VARCHAR2    DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_name       IN  VARCHAR2,
  p_description      IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_party_id        IN  NUMBER,
  p_issue_type       IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_sector          IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_security_group_id IN  NUMBER,
```

```

p_attribute_category IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute1         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute2         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute3         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute4         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute5         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute6         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute7         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute8         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute9         IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute10        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute11        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15        IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2,
x_issue_id           OUT NOCOPY NUMBER);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. None means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_name	VARCHAR2	Yes	Name of the issue.

p_party_id	NUMBER	Yes	PARTY_ID for the Issuer organisation.
p_description	VARCHAR2	No	Description of the issue.
p_issue_type	VARCHAR2	No	Type of issue from the FND_LOOKUP AS_ISSUE_TYPE.
P_sector	VARCHAR2	No	Sector to which the issue belongs.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
x_issue_id	NUMBER	Unique issue id for the record created.

1.4.11.2 Update Issue

This procedure can be used to update an existing issue.

Procedure Specification

```

PROCEDURE Update_issues (
  p_api_version      IN  NUMBER      DEFAULT 1.0,
  p_init_msg_list    IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validate_level   IN  VARCHAR2    DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_name       IN  VARCHAR2,
  p_description      IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_party_id        IN  NUMBER,
  p_issue_type       IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_sector          IN  VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,

```

```

p_security_group_id    IN    NUMBER,
p_attribute_category  IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute1          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute2          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute3          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute4          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute5          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute6          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute7          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute8          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute9          IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute10         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute11         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN    VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2,
p_issue_id           IN    NUMBER);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_id	NUMBER	Yes	ID that uniquely identifies issue.

p_issue_name	VARCHAR2	No	Name of the issue.
p_party_id	NUMBER	No	PARTY_ID for the Issuer organisation.
p_description	VARCHAR2	No	Description of the issue.
p_issue_type	VARCHAR2	No	Type of issue from the FND_LOOKUP AS_ISSUE_TYPE.
P_sector	VARCHAR2	No	Sector to which the issue belongs.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.11.3 Delete Issue

This procedure can be used to delete issue group identifier.

Procedure Specification

```
PROCEDURE Delete_issues (
  p_api_version          IN  NUMBER    DEFAULT 1.0,
  p_init_msg_list       IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_commit              IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_validate_level      IN  VARCHAR2  DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_id           IN  NUMBER,
  p_security_group_id  IN  NUMBER,
  x_return_status      OUT NOCOPY VARCHAR2,
  x_msg_count         OUT NOCOPY NUMBER,
  x_msg_data          OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_id	NUMBER	Yes	ID that identifies issue uniquely.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.12 Issuer APIs

This section contains information about Issuer APIs.

See Also

- [Section 1.4.12.1, "Create Issuer"](#)
- [Section 1.4.12.2, "Update Issuer"](#)
- [Section 1.4.12.3, "Delete Issuer"](#)

1.4.12.1 Create Issuer

This procedure can be used to create an issuer.

Procedure Specification

```
PROCEDURE Create_issuer(  
  p_api_version          IN NUMBER          DEFAULT 1.0,  
  p_init_msg_list       IN VARCHAR2        DEFAULT FND_API.G_FALSE,  
  p_commit               IN VARCHAR2        DEFAULT FND_API.G_FALSE,  
  p_validate_level      IN NUMBER          DEFAULT FND_API.G_VALID_LEVEL_FULL,  
  p_party_id            IN NUMBER,  
  p_target_cap          IN NUMBER          DEFAULT FND_API.G_MISS_NUM,  
  p_security_group_id   IN NUMBER,  
  p_attribute_category  IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute1          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute2          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute3          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute4          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute5          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute6          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute7          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute8          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute9          IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute10         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute11         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute12         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute13         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute14         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  p_attribute15         IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,  
  x_return_status       OUT NOCOPY VARCHAR2,  
  x_msg_count           OUT NOCOPY NUMBER,  
  x_msg_data            OUT NOCOPY VARCHAR2);
```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_party_id	NUMBER	Yes	An ID that identifies the party. Party_id will be also be used to uniquely identify the issuer.
P_target_cap	NUMBER	No	Issuer target cap.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.12.2 Update Issuer

This procedure can be used to update an existing issuer.

Procedure Specification

```

PROCEDURE Update_issuer(
  p_api_version      IN NUMBER      DEFAULT 1.0,
  p_init_msg_list    IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit           IN VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validate_level   IN NUMBER      DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_party_id        IN NUMBER,
  p_target_cap       IN NUMBER      DEFAULT FND_API.G_MISS_NUM,
  p_security_group_id IN NUMBER,
  p_attribute_category IN VARCHAR2   DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9       IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute11      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute12      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute13      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute14      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  p_attribute15      IN VARCHAR2    DEFAULT FND_API.G_MISS_CHAR,
  x_return_status    OUT NOCOPY VARCHAR2,
  x_msg_count        OUT NOCOPY NUMBER,
  x_msg_data         OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.

p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_party_id	NUMBER	Yes	An ID that identifies the party. Party_id will be also be used to uniquely identify the issuer.
P_target_cap	NUMBER	No	Issuer target cap.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.12.3 Delete Issuer

This procedure can be used to delete an issuer.

Procedure Specification

```
PROCEDURE Delete_issuer(
  p_api_version      IN  NUMBER      DEFAULT 1.0,
  p_init_msg_list    IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_commit           IN  VARCHAR2    DEFAULT FND_API.G_FALSE,
  p_validate_level   IN  NUMBER      DEFAULT FND_API.G_VALID_LEVEL_FULL,
```

```

p_party_id          IN  NUMBER,
p_security_group_id IN  NUMBER,
x_return_status     OUT NOCOPY VARCHAR2,
x_msg_count         OUT NOCOPY NUMBER,
x_msg_data          OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_party_id	NUMBER	Yes	ID that identifies issue group identifier.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.

x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
------------	----------------	---

1.4.13 Issue Relationship APIs

This section contains information about Issue Relationship APIs.

See Also

- [Section 1.4.13.1, "Create Issue Relationship"](#)
- [Section 1.4.13.2, "Update Issue Relationship"](#)
- [Section 1.4.13.3, "Delete Issue Relationship"](#)

1.4.13.1 Create Issue Relationship

This procedure can be used to create issue relationship.

Procedure Specification

```
PROCEDURE Create_issue_relationship(
  p_api_version          IN NUMBER          DEFAULT 1.0,
  p_init_msg_list        IN VARCHAR2        DEFAULT FND_API.G_FALSE,
  p_commit                IN VARCHAR2        DEFAULT FND_API.G_FALSE,
  p_validation_level      IN NUMBER          DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_relationship_type IN VARCHAR2,
  p_subject_id            IN NUMBER,
  p_object_id             IN NUMBER,
  p_start_date_active     IN DATE,
  p_end_date_active       IN DATE          DEFAULT FND_API.G_MISS_DATE,
  p_directional_flag     IN VARCHAR2,
  p_security_group_id     IN NUMBER,
  p_attribute_category    IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute6            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute7            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute8            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute9            IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
  p_attribute10           IN VARCHAR2        DEFAULT FND_API.G_MISS_CHAR,
```

```

p_attribute11          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status       OUT NOCOPY VARCHAR2,
x_msg_count           OUT NOCOPY NUMBER,
x_msg_data            OUT NOCOPY VARCHAR2,
x_issue_relationship_id OUT NOCOPY NUMBER);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default. FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_relationship_type	VARCHAR2	Yes	Valid values from lookup AS_ISSUE_RELATIONSHIP_TYPE
subject_id	NUMBER	Yes	Issue_id of the subject of the relationship
object_id	NUMBER	Yes	Issue_id of the object of the relationship
p_start_date_active	DATE	Yes	Date from which the relationship becomes active.
P_end_date active	DATE	No	Date from which the relationship becomes inactive.
P_directional_flag	VARCHAR2(1)	Yes	Indicates the direction of the relationship, forward or backward.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.
x_issue_relationship_id	NUMBER	Unique issue relationship id for the record created

1.4.13.2 Update Issue Relationship

This procedure can be used to update an existing issue relationship.

Procedure Specification

```

PROCEDURE Update_issue_relationship(
  p_api_version          IN NUMBER DEFAULT 1.0,
  p_init_msg_list        IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_commit               IN VARCHAR2 DEFAULT FND_API.G_FALSE,
  p_validation_level     IN NUMBER DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_relationship_id IN NUMBER,
  p_issue_relationship_type IN VARCHAR2,
  p_subject_id           IN NUMBER,
  p_object_id            IN NUMBER,
  p_start_date_active    IN DATE,
  p_end_date_active      IN DATE DEFAULT FND_API.G_MISS_DATE,
  p_directional_flag     IN VARCHAR2,
  p_security_group_id    IN NUMBER,
  p_attribute_category   IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute1           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute2           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute3           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute4           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
  p_attribute5           IN VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,

```

```

p_attribute6          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute7          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute8          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute9          IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute10         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute11         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute12         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute13         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute14         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
p_attribute15         IN  VARCHAR2 DEFAULT FND_API.G_MISS_CHAR,
x_return_status      OUT NOCOPY VARCHAR2,
x_msg_count          OUT NOCOPY NUMBER,
x_msg_data           OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_relationship_id	NUMBER	Yes	ID that identifies issue group.
p_issue_relationship_type	VARCHAR2	Yes	Valid values from lookup AS_ISSUE_RELATIONSHIP_TYPE.
subject_id	NUMBER	Yes	Issue_id of the subject of the relationship.
object_id	NUMBER	Yes	Issue_id of the object of the relationship.

p_start_date_active	DATE	Yes	Date from which the relationship becomes active.
P_end_date active	DATE	No	Date from which the relationship becomes inactive.
P_directional_flag	VARCHAR2(1)	Yes	Indicates the direction of the relation – forward or backward.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.4.13.3 Delete Issue Relationship

This procedure can be used to delete issue group identifier.

Procedure Specification

```

PROCEDURE Delete_issue_relationship(
  p_api_version          IN  NUMBER    DEFAULT 1.0,
  p_init_msg_list       IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_commit              IN  VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_validation_level    IN  NUMBER    DEFAULT FND_API.G_VALID_LEVEL_FULL,
  p_issue_relationship_id IN  NUMBER,
  p_security_group_id   IN  NUMBER,
  x_return_status       OUT NOCOPY VARCHAR2,
  x_msg_count          OUT NOCOPY NUMBER,
  x_msg_data           OUT NOCOPY VARCHAR2);

```

Current Version

1.0

Parameter Description

IN Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.
p_init_msg_list	VARCHAR2	No	Flag to indicate the message stack should be initialized. Default: FND_API.g_false.
p_commit	VARCHAR2	No	Flag to indicate if the changes should be committed on success. Default: FND_API.g_false.
p_validation_level	NUMBER	No	Level of validation required. "None" means no validation will be done in the API and "Full" means all the validations (item level and record level) will be performed.
p_issue_relationship_id	NUMBER	Yes	ID that identifies issue relationship.

OUT Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: FND_API.G_RET_STS_SUCCESS which indicates the API call was successful. FND_API.G_RET_STS_ERROR which indicates there was a validation error or a missing data error. FND_API.G_RET_STS_UNEXP_ERROR which indicates the calling program encountered an unexpected or unhandled error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Error message returned by the API. If the messages returned number more than one, this message will be null and the messages have to be extracted from the message stack.

1.5 User Hook for Assign Territory Accesses

Overview of TAP programs

Assign Territory Accesses (ASTATA) concurrent program queries data from Trading Community Architecture (TCA) and Oracle Sales tables and inserts into Oracle CRM Application Foundation (JTF) input tables (jtf_tae_1001_account_trans, jtf_tae_1001_oppor_trans, and jtf_tae_1001_lead_trans). The concurrent program ASTATA then spawns the concurrent program "Generate Access Records" (ASTGAR).

Generate Access Records (ASTGAR) concurrent program assigns resources to only the organizations, opportunities, and leads which exist in the JTF input tables.

Hook Name: AS_ATA_PUB

Package Name: AS_ATA_UHK

Purpose

To execute any customized code, before or after inserting records into JTF input tables:

1. Create a package body for this specification.
2. Enable the user hooks.

Note: Please do "commit" in the package body.

This user hook will be called before and after the input table are populated in Assign Territory Accesses program.

See Also

- [Section 1.5.1, "Usage"](#)

1.5.1 Usage

The values passed to "User Hook Parameter 1", "User Hook Parameter 2", and "User Hook Parameter 3" parameters of Assign Territory Accesses will be passed to p_param1, p_param2, and p_param3 of the user hook.

Calling Package

AS_ATA_PUB.Assign_Territory_Accesses

API name

ATA_Pre

The following table lists the four standard input parameters:

Parameter	Description
p_api_version_number	For 11i Oracle Sales application, this is 2.0.
p_init_msg_list	Initialize message stack or not. Set to FND_API.G_FALSE by default.
p_validation_level	Validation level for pass-in values. Set to FND_API.G_VALID_LEVEL_FULL by default.
p_commit	Whether commit the whole API at the end of API. Set to FND_API.G_FALSE by default.

The following table lists other input parameters:

Parameter	Description
p_param1	Assign Territory Accesses program's paramter: User Hook Parameter 1 is passed here.
p_param2	Assign Territory Accesses program's paramter: User Hook Parameter 2 is passed here.
p_param3	Assign Territory Accesses program's paramter: User Hook Parameter 3 is passed here.

The following table lists the three standard output parameters:

Parameter	Description
x_return_status	The return status. If your code completes successfully, then FND_API.G_RET_STS_SUCCESS should be returned; if you get an expected error, then return FND_API.G_RET_STS_ERROR; otherwise return FND_API.G_RET_STS_UNEXP_ERROR.
x_msg_count	The message count. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.

x_msg_data	The messages. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.
------------	--

API Name

ATA_Post

The following table lists the four standard input parameters:

Parameter	Description
p_api_version_number	For 11i Oracle Sales application, this is 2.0.
p_init_msg_list	Initialize message stack or not. Set to FND_API.G_FALSE by default.
p_validation_level	Validation level for pass-in values. Set to FND_API.G_VALID_LEVEL_FULL by default.
p_commit	Whether commit the whole API at the end of API. Set to FND_API.G_FALSE by default.

The following table lists other input parameters:

Parameter	Description
p_param1	Assign Territory Accesses program's paramter: "User Hook Parameter 1" will be passed here.
p_param2	Assign Territory Accesses program's paramter: "User Hook Parameter 2" will be passed here.
p_param3	Assign Territory Accesses program's paramter: "User Hook Parameter 3" will be passed here.

The following table lists the three standard output parameters:

Parameter	Description
x_return_status	The return status. If your code completes successfully, then FND_API.G_RET_STS_SUCCESS should be returned; if you get an expected error, then return FND_API.G_RET_STS_ERROR; otherwise return FND_API.G_RET_STS_UNEXP_ERROR.

x_msg_count	The message count. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.
x_msg_data	The messages. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.

Note: You must return one of the following values in x_return_status parameter:

FND_API.G_RET_STS_SUCCESS

FND_API.G_RET_STS_ERROR

FND_API.G_RET_STS_UNEXP_ERROR

1.6 User Hook for Opportunity Owner Assignment

Overview of TAP programs

Assign Territory Accesses (ASTATA) concurrent program query data from Trading Community Architecture (TCA) and Oracle Sales tables and insert into JTF input tables (jtf_tae_1001_account_trans, jtf_tae_1001_oppo_trans, and jtf_tae_1001_lead_trans). Then spawn Generate Access Records (ASTGAR) concurrent program.

Generate Access Records (ASTGAR) concurrent program assigns resource to only the organizations, opportunities, and leads that exist in the JTF input tables. The program also assigns owners to opportunities that do not have an owner.

Hook Name: AS_TERR_OPPTY_ASSIGNMENT

Package Name: AS_TATA_OPPTY_UHK

Purpose

Based upon territory rules, the TAP program assigns or revokes access to opportunities that it processes. There is a chance that revoking the access may result in leaving an opportunity without an owner. To correct this problem, the program assigns owner to opportunities that do not have an owner. The "out of the box" logic of the program is to choose the sales force having maximum resource_id to be the

owner of the opportunity. Since this logic may not be suitable for all customers, a user hook is provided to extend the logic of opportunity owner assignment. Users can create a package body for the user hook spec to implement logic that better serves the business process.

This user hook will be called in Generate Accesses Records program (spawned by Assign Territory Accesses program).

Usage

To implement the user hook do the following:

1. Enable the user hook AS_TERR_OPPTY_ASSIGNMENT.
2. Write a package body for AS_TATA_OPPTY_UHK. Make sure that the package body assigns owner to opportunities that does not have correct owner. Make sure that the package body returns appropriate status back to the calling program.
3. Compile the package body in apps schema.

Calling Package

AS_TERR_OPPTY_ASSIGNMENT.Assign_Oppty_Owner

API name

AS_TATA_OPPTY_UHK.Assign_Oppty_Owner

IN Parameters

The following table lists the four standard input parameters:

Parameter	Description
p_api_version_number	For 11i Oracle Sales application, this is 2.0.
p_init_msg_list	Initialize message stack or not. Set to FND_API.G_FALSE by default.
p_validation_level	Validation level for pass-in values.Set to FND_API.G_VALID_LEVEL_FULL by default.
p_commit	Whether commit the whole API at the end of API.Set to FND_API.G_FALSE by default.

The following table lists other input parameters:

Parameter	Description
p_request_id	Concurrent request_id of Generate Access Records program (spawned by Assign Territory Accesses program).

OUT Parameters

The following table lists the three standard output parameters:

Parameter	Description
x_return_status	The return status. If your code completes successfully, then FND_API.G_RET_STS_SUCCESS should be returned; if you get an expected error, then return FND_API.G_RET_STS_ERROR; otherwise return FND_API.G_RET_STS_UNEXP_ERROR.
x_msg_count	The message count. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.
x_msg_data	The messages. Call FND_MSG_PUB.Count_And_Get to get the message count and messages.

Note: You must return either of the following values in x_return_status parameter:

FND_API.G_RET_STS_SUCCESS

FND_API.G_RET_STS_ERROR

FND_API.G_RET_STS_UNEXP_ERROR
