

Table and Column Definitions Report

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Parameters

Workarea:	GLOBAL SHARED WORKAREA
Container:	WEBADE_ADAM
Table Name:	%
Data Structure Diagram:	%
Include Column Descriptions?	Y
Include Column Notes?	Y
Include Unique Constraints?	Y
Include Foreign Key Constraints?	Y
Include Check Constraints?	Y
Include Indexes?	Y

Table: ACTION*Description:*

List of tasks that can be performed while using an application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
* 2	ACTION_NAME Name of the application action. Actions Names should include a verb and a subject. IE UpdateEmployeeRecord	NOT NULL	VARCHAR2(50)
3	PRIVILEGED_IND An action that is identified to require more authority within WebADE than normally granted.	NULL	VARCHAR2(1)

Foreign Keys:

ACT_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM

Indexes:

ACT_APP_FK_I
APPLICATION_ACRONYM

Table: ACTION_LNK*Description:*

Resolves many to many between ACTION and APPLICATION_ROLE.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ROLE_NAME The name given to a role within a specific application.	NOT NULL	VARCHAR2(50)
* 2	ACTION_NAME Name of the application action. Actions Names should include a verb and a subject. IE UpdateEmployeeRecord	NOT NULL	VARCHAR2(50)
* 3	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)

Foreign Keys:

AL_ACT_FK
APPLICATION_ACRONYM = ACTION.APPLICATION_ACRONYM
ACTION_NAME = ACTION.ACTION_NAME
AL_AR_FK
ROLE_NAME = APPLICATION_ROLE.ROLE_NAME
APPLICATION_ACRONYM = APPLICATION_ROLE.APPLICATION_ACRONYM

Indexes:

AL_ACT_FK_I
ACTION_NAME
APPLICATION_ACRONYM
AL_AR_FK_I
ROLE_NAME
APPLICATION_ACRONYM

Table: APPLICATION*Description:*

A grouping of business functions pulled together for a computerized implementation (i.e. system).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
2	CUSTODIAN_NUMBER	NOT NULL	NUMBER(10)
3	APPLICATION_NAME The expanded name associated with the application or system.	NOT NULL	VARCHAR2(120)
4	APPLICATION_DESCRIPTION A general description of the application, including why it was	NOT NULL	VARCHAR2(2000)
5	APPLICATION_OBJECT_PREFIX A three character prefix used to manage (group) application objects as a package. This is mainly used to manage objects within the database such as database triggers. It is not normally used to prefix data tables as data does not normally	NULL	VARCHAR2(3)
6	ENABLED_IND This flag is used to enable and disable an application. This can be used to allow an application to be shut down for migrations, maintenance or emergencies.	NOT NULL	VARCHAR2(1)
7	DISTRIBUTE_TYPE_CD Denotes the type of distribution this application is subject to. E.g. OPN - Open Access. This will be used to determine or restrict where application information is available.	NULL	VARCHAR2(10)

Foreign Keys:

APP_CUS_FK
CUSTODIAN_NUMBER = CUSTODIAN.CUSTODIAN_NUMBER

Indexes:

APP_CUS_FK_I
CUSTODIAN_NUMBER

Table: APPLICATION_ADMINISTRATOR*Description:*

Application custodians assign individuals as administrators of an application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
* 2	EUSER_ID Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
3	EUSER_ID_GRANTED_BY Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
4	PRIMARY_IND	NOT NULL	VARCHAR2(1)
5	ENABLED_IND Indicates whether or not the Administrator rights are enabled. 'Y' indicates privileges are enabled 'N' indicates privileges are not enabled.	NOT NULL	VARCHAR2(1)
6	DELETED_IND Indicates whether the record has been deleted and should no longer be considered valid. The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.	NOT NULL	VARCHAR2(1)
7	EFFECTIVE_DATE The Effective Date the administrator can start their duties.	NOT NULL	DATE
8	EXPIRY_DATE The expiry date that the administrators duties end. Set date to Dec 31, 9999 to indicate record never expires.	NOT NULL	DATE
9	REVISION_COUNT Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.	NOT NULL	NUMBER(10)

Foreign Keys:

APPADMIN_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM
APPADMIN_EUSER_ASSIGNED_TO_FK
EUSER_ID = EUSER.EUSER_ID
APPADMIN_EUSER_FK
EUSER_ID_GRANTED_BY = EUSER.EUSER_ID

Indexes:

APPADMIN_APP_FK_I
APPLICATION_ACRONYM
APPADMIN_EUSER_ASSIGNED_TO_F_I
EUSER_ID
APPADMIN_EUSER_FK_I
EUSER_ID_GRANTED_BY

Table: APPLICATION_ADMIN_AUDIT**Description:**

Each application administrator that is granted/revoked/modified has an audit record created to provide a history of changes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPLICATION_ADMIN_AUDIT_ID Unique number to identify an application administrator audit record.	NOT NULL	NUMBER(10)
2	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
3	AUDIT_ACTION_TYPE_CODE Unique code for Audit Action Type Code. Add Update Delete	NOT NULL	VARCHAR2(3)
4	EUSER_ID Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
5	REASON Short description that details the reason the change was made.	NULL	VARCHAR2(500)
6	PRIMARY_IND Stores the value of the PRIMARY IND field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.	NOT NULL	VARCHAR2(1)
7	ENABLED_IND Stores the value of the ENABLED IND field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.	NOT NULL	VARCHAR2(1)
8	EFFECTIVE_DATE Stores the value of the EFFECTIVE DATE field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.	NOT NULL	DATE
9	EXPIRY_DATE Stores the value of the EXPIRY DATE field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.	NOT NULL	DATE
10	CREATED_BY The user that created the record.	NOT NULL	VARCHAR2(64)
11	CREATED_DATE Date the record was created	NOT NULL	DATE
12	CREATED_BY_GUID The Globally Unique ID (GUID) of the user that created this audit record. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)
13	GRANTED_BY The user id of the user that originally granted this record. <i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The master records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>	NOT NULL	VARCHAR2(64)
14	GRANTED_BY_GUID The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)

Foreign Keys:

APP_ADM_AU_APPADMIN_FK

APPLICATION_ACRONYM = APPLICATION_ADMINISTRATOR.APPLICATION_ACRONYM

EUSER_ID = APPLICATION_ADMINISTRATOR.EUSER_ID

APP_ADM_AU_AU_ACT_TYP_FK

AUDIT_ACTION_TYPE_CODE = AUDIT_ACTION_TYPE_CODE.AUDIT_ACTION_TYPE_CODE

Table: APPLICATION_ADMIN_AUDIT (cont'd)*Indexes:*

APP_ADM_AU_APPADMIN_FK_I
APPLICATION_ACRONYM
EUSER_ID
APP_ADM_AU_AU_ACT_TYP_FK_I
AUDIT_ACTION_TYPE_CODE

Table: APPLICATION_ROLE*Description:*

Describes what a Role can do in a specific application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	ROLE_NAME The name given to a role within a specific application.	NOT NULL	VARCHAR2(50)
* 7	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
8	ROLE_DEFINITION Defines in detail what the role within an application is authorized to do.	NULL	VARCHAR2(255)
9	ORACLE_ROLE The ORACLE role associated with the application role.	NULL	VARCHAR2(30)

Foreign Keys:

AR_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM

Indexes:

AR_APP_FK_I
APPLICATION_ACRONYM

Table: AUDIT_ACTION_TYPE_CODE*Description:*

List of valid audit actions; Add, Update, Delete.

IE

Authorizations to an application may be added for a user, updated for a user, or deleted for a user.

Subset of the ACTION CODE code values in IDD:

ADD Add

DEL Delete

UPD Update

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUDIT_ACTION_TYPE_CODE Unique code for Audit Action Type Code. Add Update Delete	NOT NULL	VARCHAR2(3)
2	DESCRIPTION Description of audit action type code	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date the code becomes effective	NOT NULL	DATE
4	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP Date the code was updated.	NOT NULL	DATE

Table: AUTHORIZATION_GRANTOR*Description:*

Certain users are given the authority to grant other users to use an application. An authorization manager can be restricted to grant access only for certain organizations and applications.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	AUTHORIZATION_GRANTOR_ID	NOT NULL	NUMBER(10)
20	EUSER_ID	NOT NULL	NUMBER(10)
	Unique number used to identify a EUser.		
30	EUSER_ID_GRANTED_BY	NOT NULL	NUMBER(10)
	Unique number used to identify a EUser.		
40	AUTHORIZATION_PROFILE_ID	NOT NULL	NUMBER(10)
	Unique number identifying and Access Profile		
50	ORGANIZATION_ID	NULL	NUMBER(10)
60	GRANT_OPTION_IND	NOT NULL	VARCHAR2(1)
	A value of Y means this user can grant authorizations to another user. (i.e. create another authorization manager).		
70	GRANT_ANY_ORG_IND	NOT NULL	VARCHAR2(1)
	Indicates whether the Authorization Grantor is granted to perform grants for a specific organization or for any Organization. If this indicator is set to 'Y', the Organization portion of the record will be NULL. Otherwise an Organization must be present.		
80	ENABLED_IND	NOT NULL	VARCHAR2(1)
	Y/N indicator that determines if profile administrator duties are enabled or not.		
	'Y' indicates profile administrator duties are enabled		
	'N' indicates profile administrator duties are not enabled.		
90	DELETED_IND	NOT NULL	VARCHAR2(1)
	Indicates whether the record has been deleted and should no longer be considered valid. The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.		
100	EFFECTIVE_DATE	NOT NULL	DATE
	The date Profile Administrator may start their duties.		
110	EXPIRY_DATE	NOT NULL	DATE
	The date the ability to grant authorizations expires. This is the date indicates the date it will expire at which time the authorization manager will no longer be able to grant access to this application and profile.		
	Set date to Dec 31, 9999 to indicate record never expires.		
120	REVISION_COUNT	NOT NULL	NUMBER(10)
	Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.		

Unique Constraints:

AUTHGRNT_ADAM_AUTHGRNT_UNQ_UK
 EUSER_ID
 ORGANIZATION_ID
 AUTHORIZATION_PROFILE_ID

Foreign Keys:

AUTHGRNT_AUTHPROF_FK
 AUTHORIZATION_PROFILE_ID = AUTHORIZATION_PROFILE.AUTHORIZATION_PROFILE_ID
 AUTHGRNT_EUSER_DELEGATED_TO_FK
 EUSER_ID = EUSER.EUSER_ID
 AUTHGRNT_EUSER_FK
 EUSER_ID_GRANTED_BY = EUSER.EUSER_ID
 AUTHGRNT_ORGS_FK
 ORGANIZATION_ID = ORGANIZATION.ORGANIZATION_ID

Indexes:

AUTHGRNT_AUTHPROF_FK_I
 AUTHORIZATION_PROFILE_ID
 AUTHGRNT_EUSER_DELEGATED_TO__I
 EUSER_ID
 AUTHGRNT_EUSER_FK_I

Table: AUTHORIZATION_GRANTOR (cont'd)*Indexes:*

EUSER_ID_GRANTED_BY
AUTHGRNT_ORGS_FK_I
ORGANIZATION_ID

Table: AUTHORIZATION_GRANTOR_AUDIT**Description:**

Each profile that is granted is recored in the case an audit check is required.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUTH_GRANTOR_AUDIT_ID Unique ID for profile admin audit record	NOT NULL	NUMBER(10)
2	AUDIT_ACTION_TYPE_CODE Unique code for Audit Action Type Code. Add Update Delete	NOT NULL	VARCHAR2(3)
3	AUTHORIZATION_GRANTOR_ID	NOT NULL	NUMBER(10)
4	REASON Short description that details the reason the change was made to authorization.	NULL	VARCHAR2(500)
5	GRANT_OPTION_IND Stores the value of the GRANT_OPTION_IND field in the PROFILE_ADMINISTRATOR table as part of the audit transaction. A value of Y means this user can grant authorizations to another user. (i.e. create another authorization manager).	NOT NULL	VARCHAR2(1)
6	ENABLED_IND Stores the value of the ENABLED_IND field in the PROFILE_ADMINISTRATOR table as part of the audit transaction. 'Y' indicates profile administrator duties are enabled 'N' indicates profile administrator duties are not enabled.	NOT NULL	VARCHAR2(1)
7	EFFECTIVE_DATE Stores the value of the EFFECTIVE_DATE field in the PROFILE_ADMINISTRATOR table as part of the audit transaction. The date Profile Administrator may start their duties.	NOT NULL	DATE
8	EXPIRY_DATE Stores the value of the EXPIRY_DATE field in the PROFILE_ADMINISTRATOR table as part of the audit transaction. The date the ability to grant authorizations expires.	NOT NULL	DATE
9	CREATED_BY The user that created the record.	NOT NULL	VARCHAR2(64)
10	CREATED_DATE The date the record was created.	NOT NULL	DATE
11	CREATED_BY_GUID The Globally Unique ID (GUID) of the user that created this audit record. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCellID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)
12	GRANTED_BY The user id of the user that originally granted this record. <i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The matser records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>	NOT NULL	VARCHAR2(64)
13	GRANTED_BY_GUID The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCellID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)

Foreign Keys:

AUTH_GR_AU_AUTHGRNT_FK

AUTHORIZATION_GRANTOR_ID = AUTHORIZATION_GRANTOR.AUTHORIZATION_GRANTOR_ID

AUTH_GR_AU_AU_ACT_TYP_FK

AUDIT_ACTION_TYPE_CODE = AUDIT_ACTION_TYPE_CODE.AUDIT_ACTION_TYPE_CODE

Table: AUTHORIZATION_GRANTOR_AUDIT (cont'd)*Indexes:*

AUTH_GR_AU_AUTHGRNT_FK_I
AUTHORIZATION_GRANTOR_ID
AUTH_GR_AU_AU_ACT_TYP_FK_I
AUDIT_ACTION_TYPE_CODE

Table: AUTHORIZATION_PROFILE*Description:*

An access profile is a grouping of application roles to simplify the process of managing application access.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUTHORIZATION_PROFILE_ID Unique number identifying and Access Profile	NOT NULL	NUMBER(10)
2	PROFILE_NAME Display name given to the access profile.	NOT NULL	VARCHAR2(255)
3	PROFILE_DESCRIPTION Description of the access profile, and it's purpose.	NOT NULL	VARCHAR2(1000)
4	SECURE_BY_ORGANIZATION_IND Uses a "Y" or "N" value to indicate whether or not the application cares about Organizations or not for this profile. Some applications use Organizations to determine what data of the same type a user has access to. Other applications don't care about Organizations and allow users to have access all data of the same type. This is usually at the profile/role level.	NOT NULL	VARCHAR2(1)
For Example. An Application may have inspection data. A role may be granted to view the inspection data. If the application cares about organizations then the user could be further restricted to viewing inspections for only authorized organizations. If the application does not care about organizations for that role/profile, then the user may view all inspections.			
5	REVISION_COUNT Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.	NOT NULL	VARCHAR2(10)

Unique Constraints:

AUTHP_ADAM_PROFILE_NAME_UNQ_UK
PROFILE_NAME

Table: AUTHORIZATION_PROFILE_AUDIT**Description:**

Changes to ACCESS_PROFILE records are audited to provide a history that can be referred to in the event of a problem.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUTH_PROFILE_AUDIT_ID Unique identifier for the record.	NOT NULL	NUMBER(10)
2	AUDIT_ACTION_TYPE_CODE Unique code for Audit Action Type Code. Add Update Delete	NOT NULL	VARCHAR2(3)
3	AUTHORIZATION_PROFILE_ID Unique number identifying and Access Profile	NOT NULL	NUMBER(10)
4	REASON The reason the access profile was changed. We MUST know the reason the profile changed since it impacts all the authorizations tied to that access profile.	NULL	VARCHAR2(500)
5	APPLICATION_ACRONYM Stores the value of the APPLICATION_ACRONYM field in the PROFILE_ROLE_LINK table as part of the audit transaction. The application acronym of the app that contains the role added/removed to the profile	NULL	VARCHAR2(30)
6	ROLE_NAME Stores the value of the ROLE_NAME field in the PROFILE_ROLE_LINK table as part of the audit transaction. The role name of the role added/removed to the profile.	NULL	VARCHAR2(50)
7	PROFILE_NAME Stores the value of the PROFILE_NAME field in the ACCESS_PROFILE table as part of the audit transaction. Display name given to the access profile.	NOT NULL	VARCHAR2(255)
8	PROFILE_DESCRIPTION Stores the value of the PROFILE_DESCRIPTION field in the ACCESS_PROFILE table as part of the audit transaction. Description of the access profile, and it's purpose.	NOT NULL	VARCHAR2(1000)
9	SECURE_BY_ORGANIZATION_IND Stores the value of the SECURE BY ORGANIZATION IND attribute in the AUTHORIZATION PROFILE as part of the audit transaction.	NOT NULL	VARCHAR2(1)
10	CREATED_BY The user that created the record.	NOT NULL	VARCHAR2(64)
11	CREATED_DATE Date the record was created.	NOT NULL	DATE
12	CREATED_BY_GUID The Globally Unique ID (GUID) of the user that created this audit record. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCell and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)

Foreign Keys:

AUTHPR_AUD_AUTHPROF_FK
AUTHORIZATION_PROFILE_ID = AUTHORIZATION_PROFILE.AUTHORIZATION_PROFILE_ID
AUTHPR_AUD_AU_ACT_TYP_FK
AUDIT_ACTION_TYPE_CODE = AUDIT_ACTION_TYPE_CODE.AUDIT_ACTION_TYPE_CODE

Indexes:

AUTHPR_AUD_AUTHPROF_FK_I
AUTHORIZATION_PROFILE_ID
AUTHPR_AUD_AU_ACT_TYP_FK_I
AUDIT_ACTION_TYPE_CODE

Table: AUTH_PROFILE_USR_LINK*Description:**Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	USER_TYPE_CODE The unique code for the type.	NOT NULL	VARCHAR2(3)
* 2	AUTHORIZATION_PROFILE_ID Unique number identifying and Access Profile	NOT NULL	NUMBER(10)

Foreign Keys:

PRFUSRLNK_AUTHPROF_FK
AUTHORIZATION_PROFILE_ID = AUTHORIZATION_PROFILE.AUTHORIZATION_PROFILE_ID
PRFUSRLNK_USRTYPE_FK
USER_TYPE_CODE = USER_TYPE_CODE.USER_TYPE_CODE

Indexes:

PRFUSRLNK_AUTHPROF_FK_I
AUTHORIZATION_PROFILE_ID
PRFUSRLNK_USRTYPE_FK_I
USER_TYPE_CODE

Table: CLIENT_LOCATION*Description:**Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_LOCN_CODE	NOT NULL	VARCHAR2(2)
* 2	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
3	CLIENT_LOCN_NAME	NULL	VARCHAR2(40)
4	HDBS_COMPANY_CODE	NULL	VARCHAR2(5)
5	ADDRESS_1	NOT NULL	VARCHAR2(40)
6	ADDRESS_2	NULL	VARCHAR2(40)
7	ADDRESS_3	NULL	VARCHAR2(40)
8	CITY	NOT NULL	VARCHAR2(30)
9	PROVINCE	NULL	VARCHAR2(50)
10	POSTAL_CODE	NULL	VARCHAR2(10)
11	COUNTRY	NOT NULL	VARCHAR2(50)
12	BUSINESS_PHONE	NULL	VARCHAR2(10)
13	HOME_PHONE	NULL	VARCHAR2(10)
14	FAX_NUMBER	NULL	VARCHAR2(10)
15	LOCN_EXPIRED_IND	NOT NULL	VARCHAR2(1)
16	RETURNED_MAIL_DATE	NULL	DATE
18	UPDATE_USERID	NOT NULL	VARCHAR2(30)
19	UPDATE_ORG_UNIT	NOT NULL	NUMBER(10)
20	ADD_TIMESTAMP	NOT NULL	DATE
21	ADD_USERID	NOT NULL	VARCHAR2(30)
22	UPDATE_TIMESTAMP	NOT NULL	DATE
23	CLI_LOCN_COMMENT	NULL	VARCHAR2(4000)
24	ADD_ORG_UNIT	NOT NULL	NUMBER(10)

Foreign Keys:

CLI_LOC_FOR_CLNT_FK
 CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER

Indexes:

CLI_LOC_FOR_CLNT_FK_I
 CLIENT_NUMBER

Table: CLIENT_LOCATION_DEFAULT*Description:*

The default client location code for a user, client number and application.
 This default is used by applications that depend on client location codes such as SPAR and ECAS.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	APPLICATION_ACRONYM	NOT NULL	VARCHAR2(30)
	The commonly used acronym associated with the application or system for whom the default applies.		
* 20	EUSER_ID	NOT NULL	NUMBER(10)
	Unique number used to identify a EUser for whom the default applies.		
* 30	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
	Sequentially assigned number to identify the ministry client for whom the default applies.		
40	DEFAULT_CLIENT_LOCN_CODE	NOT NULL	VARCHAR2(2)
	The default client location code for a user, client number and application. This default is used by applications that depend on client location codes such as SPAR and ECAS.		

Foreign Keys:

CLOCD_APP_FK
 APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM
 CLOCD_EUSER_FK
 EUSER_ID = EUSER.EUSER_ID
 CLOCD_FC_FK
 CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER

Indexes:

CLOCD_APP_FK_I
 APPLICATION_ACRONYM
 CLOCD_EUSER_FK_I
 EUSER_ID
 CLOCD_FC_FK_I
 CLIENT_NUMBER

Notes:

2006-05-11 CGI
 - Created for use by SPAR and ECAS following conversion to WebADE 4.

Table: CLIENT_LOC_NT_GROUP*Description:*

The NT Groups that will work on behalf of associated Client Location. NT Group members are granted application access through the application_role table, thus providing a finer level of security granularity. For example, members of the Weyerhaeuser group could be authorized to work on behalf of the Weihauser client location to issue orders on their behalf, but the group would not be authorized to issue those same orders on the Fletcher client locations behalf.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GROUP_NAME NT Local Group Name	NOT NULL	VARCHAR2(255)
* 2	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE	NOT NULL	VARCHAR2(2)

Foreign Keys:

CLTLOC_GRP_CLI_LOC_FK
CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

Indexes:

CLTLOC_GRP_CLI_LOC_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE

Table: CUSTODIAN*Description:**Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CUSTODIAN_NUMBER	NOT NULL	NUMBER(10)

Table: DEFAULT_ORGANIZATION_LINK*Description:*

A client may be assigned to have privileges to an application for 2 or more organizations. For each organization data they have access to in the app, they may have different levels of privileges. When a user connects to such an application they choose the org that they want to work in, thus determining their set of privileges. This table will store their default org preference for the application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORGANIZATION_ID	NOT NULL	NUMBER(10)
* 2	APPLICATION_ACRONYM	NOT NULL	VARCHAR2(30)
	The commonly used acronym associated with the application or system.		
* 3	EUSER_ID	NOT NULL	NUMBER(10)
	Unique number used to identify a EUser.		

Foreign Keys:

DEF_ORG_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM
DEF_ORG_EUSER_FK
EUSER_ID = EUSER.EUSER_ID
DEF_ORG_ORGS_FK
ORGANIZATION_ID = ORGANIZATION.ORGANIZATION_ID

Indexes:

DEF_ORG_APP_FK_I
APPLICATION_ACRONYM
DEF_ORG_EUSER_FK_I
EUSER_ID
DEF_ORG_ORGS_FK_I
ORGANIZATION_ID

Table: EAUTHORIZATION*Description:*

A user may be granted authorization for an application. Each eauthorization is defined by a profile (what a user can do) and an organization (who they can do it for).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EAUTHORIZATION_ID Unique number used to identify an EAuthorization record	NOT NULL	NUMBER(10)
2	AUTHORIZATION_PROFILE_ID Unique number identifying and Access Profile	NOT NULL	NUMBER(10)
3	EUSER_ID_GRANTED_BY Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
4	ENABLED_IND Y/N indicator that determines if eAuthorization is enabled or not 'Y' indicates authorization is enabled 'N' indicates authorization is not enabled.	NOT NULL	VARCHAR2(1)
5	DELETED_IND Indicates whether the record has been deleted and should no longer be considered valid. The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.	NOT NULL	VARCHAR2(1)
6	EFFECTIVE_DATE The date the authorization becomes effective.	NOT NULL	DATE
7	EXPIRY_DATE The date the authorization expires. Set date to Dec 31, 9999 to indicate record never expires.	NOT NULL	DATE
8	REVISION_COUNT Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.	NOT NULL	NUMBER(10)
9	EGROUP_ID Unique number identifying the egroup	NULL	NUMBER(10)
10	ORGANIZATION_ID	NULL	NUMBER(10)
11	EUSER_ID Unique number used to identify a EUser.	NULL	NUMBER(10)

Unique Constraints:

EAUTH_ADAM_EAUTH_UNQ_UK
EUSER_ID
AUTHORIZATION_PROFILE_ID
ORGANIZATION_ID
EGROUP_ID

Foreign Keys:

EAUTH_AUTHPROF_FK
AUTHORIZATION_PROFILE_ID = AUTHORIZATION_PROFILE.AUTHORIZATION_PROFILE_ID
EAUTH_EGRP_FK
EGROUP_ID = EGROUP.EGROUP_ID
EAUTH_EUSER_AUTHORIZES_FK
EUSER_ID = EUSER.EUSER_ID
EAUTH_EUSER_FK
EUSER_ID_GRANTED_BY = EUSER.EUSER_ID
EAUTH_ORGS_FK
ORGANIZATION_ID = ORGANIZATION.ORGANIZATION_ID

Indexes:

EAUTH_AUTHPROF_FK_I
AUTHORIZATION_PROFILE_ID
EAUTH_EGRP_FK_I
EGROUP_ID
EAUTH_EUSER_AUTHORIZES_FK_I
EUSER_ID
EAUTH_EUSER_FK_I
EUSER_ID_GRANTED_BY

Table: EAUTHORIZATION (cont'd)*Indexes:*

EAUTH_ORGS_FK_I
ORGANIZATION_ID

Notes:

Most existing applications have no concept of an Organization for delineating the application data. Every authorized user has equal access to all data.

For backwards compatibility the ORGANIZATION_ID field will be set to NULL to indicate that the user has access to all data in no organization restriction.

Table: EAUTHORIZATION_AUDIT**Description:**

Each authorization that is granted/revoked/modified has an audit record created to provide a history of authorization changes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EAUTHORIZATION_AUDIT_ID Unique number to identify an authorization audit record.	NOT NULL	NUMBER(10)
2	AUDIT_ACTION_TYPE_CODE Unique code for Audit Action Type Code. Add Update Delete	NOT NULL	VARCHAR2(3)
3	EAUTHORIZATION_ID Unique number used to identify an EAuthorization record	NOT NULL	NUMBER(10)
4	REASON Short description that details the reason the change was made to authorization.	NULL	VARCHAR2(500)
5	ENABLED_IND Stores the value of the ENABLED_IND field in the EAUTHORIZATION table as part of the audit transaction. Y/N indicator that determines if eAuthorization is enabled or not 'Y' indicates authorization is enabled 'N' indicates authorization is not enabled.	NOT NULL	VARCHAR2(1)
6	EFFECTIVE_DATE Stores the value of the EFFECTIVE_DATE field in the EAUTHORIZATION table as part of the audit transaction. The date authorization becomes effective.	NOT NULL	DATE
7	EXPIRY_DATE Stores the value of the EXPIRY_DATE field in the EAUTHORIZATION table as part of the audit transaction. The date authorization expires.	NOT NULL	DATE
8	CREATED_BY The user that created the record.	NOT NULL	VARCHAR2(64)
9	CREATED_DATE Date the record was created	NOT NULL	DATE
10	CREATED_BY_GUID The Globally Unique ID (GUID) of the user that created this audit record. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCellID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)
11	GRANTED_BY The user id of the user that originally granted this record. <i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The master records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>	NOT NULL	VARCHAR2(64)
12	GRANTED_BY_GUID The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists. <i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCellID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>	NOT NULL	VARCHAR2(32)

Foreign Keys:

EAUTHAUDIT_AU_ACT_TYP_FK

AUDIT_ACTION_TYPE_CODE = AUDIT_ACTION_TYPE_CODE.AUDIT_ACTION_TYPE_CODE

EAUTHAUDIT_EAUTH_FK

EAUTHORIZATION_ID = EAUTHORIZATION.EAUTHORIZATION_ID

Indexes:

Table: EAUTHORIZATION_AUDIT (cont'd)*Indexes:*

EAUTHAUDIT_AU_ACT_TYP_FK_I
AUDIT_ACTION_TYPE_CODE
EAUTHAUDIT_EAUTH_FK_I
EAUTHORIZATION_ID

Table: EGROUP*Description:*

Authorization can be granted to either a user or a group. This entity provides the attributes about a group.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EGROUP_ID Unique number identifying the egroup	NOT NULL	NUMBER(10)
2	USER_TYPE_CODE The unique code for the type.	NOT NULL	VARCHAR2(3)
3	GROUP_GUID Each user or group in a directory has a unique identifier called a GUID or Globally Unique Identifier. The value is a 128 bit number but is displayed and passed around the network as a 32 character hex string. There is no guarantee that a user ID is unique, given that an ID can be deleted and another user could be given that USER ID in the future. The GUID in such a situation would be different thereby avoiding authority assigned to the previous user being inherited by the new user.	NOT NULL	VARCHAR2(32)
4	SOURCE_DIRECTORY Defines the source directory of the group. This will help performance from a perspective of determining where the group originated from.	NOT NULL	VARCHAR2(64)
5	GROUP_NAME The name of the group that contains users with access to an application.	NOT NULL	VARCHAR2(128)
8	EXPIRY_DATE The date the group expires. Set date to Dec 31, 9999 to indicate record never expires.	NOT NULL	DATE

Unique Constraints:

EGRP_ADAM_GROUP_GUID_UNQ_UK
GROUP_GUID

Foreign Keys:

EGRP_USRTYPE_FK
USER_TYPE_CODE = USER_TYPE_CODE.USER_TYPE_CODE

Indexes:

EGRP_USRTYPE_FK_I
USER_TYPE_CODE

Notes:

The thinking here is that an administrator can authorize a group of users that have access to an application. If an authenticated user is presented to WebADE then both their user id and group memberships need to be checked to determine all the authorizations that they may have for a given application.

Table: ELECTRONIC_AGREEMENT*Description:*

Defines the terms and conditions between two parties. If an agreement changes, the existing agreement expires and the user must agree to the new changed agreement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ELECTRONIC_AGREEMENT_ID Unique number identifying an electronic agreement.	NOT NULL	NUMBER(10)
2	AGREEMENT_TYPE_CODE Unique code value identifying an agreement type.	NOT NULL	VARCHAR2(3)
3	ELECTRONIC_AGREEMENT_NAME	NOT NULL	VARCHAR2(50)
4	AGREEMENT_TEXT Contains the text of the legal agreement that a user will agree to. <i>Field is to be converted to a CLOB field after ER diagram transformation. ER Diagrammer doesn't allow developer to specify CLOB as a type for a field.</i>	NOT NULL	CLOB
5	EFFECTIVE_DATE Date the agreement becomes effective.	NOT NULL	DATE
6	EXPIRY_DATE Date the agreement expires.	NOT NULL	DATE
7	CREATED_BY User that created agreement record.	NOT NULL	VARCHAR2(64)
8	CREATED_DATE Date the agreement was created.	NOT NULL	DATE
9	REVISION_COUNT Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.	NOT NULL	NUMBER(10)

Unique Constraints:

EAGREE_ADAM_EAGREE_NAME_UNQ_UK
ELECTRONIC_AGREEMENT_NAME

Foreign Keys:

EAGREE_EAGR_TP_CD_FK
AGREEMENT_TYPE_CODE = ELECTRONIC_AGREEMENT_TYPE_CODE.AGREEMENT_TYPE_CODE

Indexes:

EAGREE_EAGR_TP_CD_FK_I
AGREEMENT_TYPE_CODE

Table: ELECTRONIC_AGREEMENT_TYPE_CODE*Description:*

List of Codes identifying the various types of electronic agreements.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AGREEMENT_TYPE_CODE Unique code value identifying an agreement type.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The code description for an agreement type.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP Date and Time the code was updated.	NOT NULL	DATE

Table: ENVIRONMENT*Description:*

Defines the various database environments. (e.g. DBP04, DBQ03 etc.)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ENVIRONMENT_ID Identifies the environment. (e.g. DBP04, DBQ03).	NOT NULL	VARCHAR2(8)

Notes:

The DBA's have a procedure that can be called to determine the current environment. Once that environment is known the WEB ADE compenent can determine which groups to compare against for determining a users roles.

Table: ESUBSCRIPTION*Description:*

An ESubscription is used to uniquely identify a user.

A unique code is generated and sent to the user using a media such as traditional mail. Once the user returns to ADAM with the subscription code, ADAM can associate the current user to the subscription code as the INVITEE. This process ensures we have properly identified the user as opposed to simply searching the directory for the user you think you want.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ESUBSCRIPTION_ID Unique number used to identify a ESubscription	NOT NULL	NUMBER(10)
2	EUSER_ID_GENERATED_BY Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
3	ORGANIZATION_ID	NOT NULL	NUMBER(10)
4	SUBSCRIPTION_CODE_KEY A unique generated code used to identify a specific person.	NOT NULL	VARCHAR2(255)
<p>The subscription code for the initial implementation will be generated by BCeID. The code is similar to a GUID as used for users in WebADE although the number is not as large. The following is an example from the BCeID document regarding subscriptions: "36C4-5822-FD16-4C4D". The key will be stored without the dashes as we do with GUIDs.</p> <p>The code is generated and sent to the person via another channel. When the user returns with the code to ADAM, we are assured we have identified the proper person. This is similar to PIN numbers for Bank Cards.</p>			
5	NOTIFY_INVITER_IND An indication if the person who generated this subscription wants to be notified via e-mail when the user has returned to ADAM with the Subscription Code.	NOT NULL	VARCHAR2(1)
6	CREATED_DATE The date the ESubscription was generated.	NOT NULL	DATE
7	EUSER_ID Unique number used to identify a EUser.	NULL	NUMBER(10)
8	ACCEPTED_DATE The date the user returned to ADAM with the subscription code and accepted the agreement for the organization identified.	NULL	DATE

Foreign Keys:

ESUB_EUSER_FK
EUSER_ID_GENERATED_BY = EUSER.EUSER_ID

ESUB_EUSER_INVITE_FK
EUSER_ID = EUSER.EUSER_ID

ESUB_ORGS_FK
ORGANIZATION_ID = ORGANIZATION.ORGANIZATION_ID

Indexes:

ESUB_EUSER_FK_I
EUSER_ID_GENERATED_BY

ESUB_EUSER_INVITE_FK_I
EUSER_ID

ESUB_ORGS_FK_I
ORGANIZATION_ID

Notes:

A unique code is generated and sent to the user using a media such as traditional mail. Once the user returns to ADAM with the subscription code, ADAM can associate the current user to the subscription code as the INVITEE. This process ensures we have properly identified the user as opposed to simply searching the directory for the user you think you want.

Table: EUSER*Description:*

Defines a user of an eService.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EUSER_ID Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
2	USER_TYPE_CODE The unique code for the type.	NOT NULL	VARCHAR2(3)
3	USER_GUID Each user or group in a directory has a unique identifier called a GUID or Globally Unique Identifier. The value is a 128 bit number but is displayed and passed around the network as a 32 character hex string. There is no guarantee that a user ID is unique, given that an ID can be deleted and another user could be given that USER ID in the future. The GUID in such a situation would be different thereby avoiding authority assigned to the previous user being inherited by the new user.	NOT NULL	VARCHAR2(32)
4	SOURCE_DIRECTORY The directory that the entry came from.	NOT NULL	VARCHAR2(64)
5	USERID The user ID associated with the GUID that a user would use to log on with. The user ID is normally in the format directory\username. For this purpose only the username is stored in the record. If the GROUP_IND = 'Y' then this value represents the name of a GROUP.	NOT NULL	VARCHAR2(64)
7	EMPLOYEE_IND Many IDIR users are not government employees. If "Y" indicates that a user is a government employee. If N then the user is not a government employee.	NOT NULL	VARCHAR2(1)
8	LAST_NAME The last name of a user.	NULL	VARCHAR2(40)
9	FIRST_NAME The first name of a user	NULL	VARCHAR2(40)
10	MIDDLE_INITIAL The middle initial of a user.	NULL	VARCHAR2(1)
11	PHONE_NUMBER The phone number of a user.	NULL	VARCHAR2(10)
12	EMAIL_ADDRESS The email address of a user.	NULL	VARCHAR2(128)
14	EXPIRY_DATE A user cannot be deleted in cases where history is required for audit purposes. A non null value in this field indicates that the user does not physically exist any longer. It will likely be updated by a synchronization trigger with the directory. The date the user expires. Set date to Dec 31, 9999 to indicate record never expires.	NOT NULL	DATE
15	UPDATED_DATE The last time this entity was updated.	NOT NULL	DATE

Unique Constraints:

EUSER_ADAM_USER_GUID_UNQ_UK
USER_GUID

Foreign Keys:

EUSER_USRTYPE_FK
USER_TYPE_CODE = USER_TYPE_CODE.USER_TYPE_CODE

Indexes:

EUSER_USRTYPE_FK_I
USER_TYPE_CODE

Notes:

Some of this data (phone #) is redundant with what is in the directory but is provided for reporting purposes. The design needs to ensure synchronization issues are not going to occur. For example each time a user connects to a WebADE application should this info be refreshed. Does it need to be done more often to account for users who have not logged on for a long time?

Table: EUSER_AGREEMENT*Description:*

Show acceptance of the terms and conditions in an electronic agreement between a user and the Ministry with regards to the usage of electronic services.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EUSER_AGREEMENT_ID Unique number to identify an EUser agreement	NOT NULL	NUMBER(10)
2	EUSER_ID Unique number used to identify a EUser.	NOT NULL	NUMBER(10)
3	ELECTRONIC_AGREEMENT_ID Unique number identifying an electronic agreement.	NOT NULL	NUMBER(10)
4	ORGANIZATION_ID	NULL	NUMBER(10)
5	ACCEPTED_IND Agreements will be queued up for the euser to accept, based on the Access Profiles they are assigned. Y Indicates that the user has accepted the agreement. N Indicates that the user NEEDS to accept the agreement.	NOT NULL	VARCHAR2(1)
6	ACCEPTED_DATE The Date that the user accepted the agreement	NULL	DATE
7	SHARED_SECRET The shared secret field allows an administrator so set their own secret keyword on the agreement. They then contact the user that is to accept the agreement, and tell them the secret word. When the user goes to accept the agreement they must enter the shared secret keyword to verify that they are really the person accepting the electronic agreement.	NULL	VARCHAR2(50)
8	DOCUMENT_NAME Shared Secrets is optional, and recommended for non government employee users. A physical document may need to be signed by the user that contains terms and conditions not covered by the standard electronic agreements. This field records the name of the document.	NULL	VARCHAR2(255)
9	DOCUMENT_LOCATION If a physical document exists as the agreement the user signs off on, then this field records the location of the document.	NULL	VARCHAR2(500)

Unique Constraints:

EUSERA_ADAM_EUSER_AGREE_UNQ_UK
EUSER_ID
ELECTRONIC_AGREEMENT_ID
ORGANIZATION_ID

Foreign Keys:

EUSERAGREE_EAGREE_FK
ELECTRONIC_AGREEMENT_ID = ELECTRONIC_AGREEMENT.ELECTRONIC_AGREEMENT_ID
EUSERAGREE_EUSER_FK
EUSER_ID = EUSER.EUSER_ID
EUSERAGREE_ORGS_FK
ORGANIZATION_ID = ORGANIZATION.ORGANIZATION_ID

Indexes:

EUSERAGREE_EAGREE_FK_I
ELECTRONIC_AGREEMENT_ID
EUSERAGREE_EUSER_FK_I
EUSER_ID
EUSERAGREE_ORGS_FK_I
ORGANIZATION_ID

Notes:

Need more thinking here and could change substantially once the requirements are completely defined.

Table: FOREST_CLIENT*Description:**Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER Sequentially assigned number to identify a client to the Ministry of Forests for a given Forest File, Cutting Permit, and sometimes Cut Block. Retrieval of the Forest Client Link entry is by Forest File Id, Cutting Permit Id, and File Client type 'A'.	NOT NULL	VARCHAR2(8)
2	CLIENT_NAME	NOT NULL	VARCHAR2(60)
3	LEGAL_FIRST_NAME	NOT NULL	VARCHAR2(30)
4	LEGAL_MIDDLE_NAME	NOT NULL	VARCHAR2(30)
5	SOUNDEX_NAME	NOT NULL	VARCHAR2(30)
6	CLIENT_STATUS_CODE	NOT NULL	VARCHAR2(3)
7	CLIENT_TYPE_CODE	NOT NULL	VARCHAR2(1)
8	BIRTHDATE	NOT NULL	VARCHAR2(8)
9	BC_DRIVERS_LICENSE	NOT NULL	VARCHAR2(7)
10	CLIENT_SIN	NOT NULL	VARCHAR2(9)
11	CLIENT_OTHER_ID	NOT NULL	VARCHAR2(40)
12	CORP_REGN_NMBR	NOT NULL	VARCHAR2(9)
13	CORP_REPORTING_IND	NOT NULL	VARCHAR2(1)
14	OCG_SUPPLIER_NMBR	NOT NULL	VARCHAR2(10)
15	PRIME_MAILING_LOCN	NOT NULL	VARCHAR2(2)
16	TOTAL_BALANCE	NOT NULL	VARCHAR2(14)
17	WCB_FIRM_NUMBER	NOT NULL	VARCHAR2(6)
18	CLIENT_COMMENT	NOT NULL	VARCHAR2(60)
19	UPDATE_TIMESTAMP	NOT NULL	DATE
20	UPDATE_USERID	NOT NULL	VARCHAR2(8)
21	UPDATE_ORG_UNIT	NOT NULL	NUMBER(10)
22	ADD_TIMESTAMP	NOT NULL	DATE
23	ADD_USERID	NOT NULL	VARCHAR2(8)
24	ADD_ORG_UNIT	NOT NULL	NUMBER(10)

Table: MIME_TYPE_CODE*Description:*

A code table containing the list of possible output formats that reports can be generated in(PDF, DOC, HTML, etc.).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MIME_TYPE_CODE	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: MS_DELIVERY_DAY*Description:*

Code identifying the days that mail can be delivered.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MS_DELIVERY_DAY	NOT NULL	VARCHAR2(15)
2	DESCRIPTION	NOT NULL	VARCHAR2(255)
3	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The userid of the person who first created the record		
4	ENTRY_DATE	NOT NULL	DATE
	The date the record was first created		
5	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The userid of the person who last updated the record		
6	UPDATE_DATE	NOT NULL	DATE
	The date the record was last updated.		

Table: MS_DELIVERY_HOUR*Description:*

Code identifying the hour to deliver emails at. Contains weekdays, month days, and current day codes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MS_DELIVERY_HOUR	NOT NULL	VARCHAR2(15)
2	DESCRIPTION	NOT NULL	VARCHAR2(255)
3	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The userid of the person who first created the record		
4	ENTRY_DATE	NOT NULL	DATE
	The date the record was first created		
5	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The userid of the person who last updated the record		
6	UPDATE_DATE	NOT NULL	DATE
	The date the record was last updated.		

Table: MS_DISTRIBUTION_LIST*Description:*

List of Distribution Lists (mail list servers) that can be mailed to.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DISTRIBUTION_LIST_ID Unique number identifying a distribution list	NOT NULL	NUMBER(10)
2	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
3	DESCRIPTION Description of the distribution list	NOT NULL	VARCHAR2(255)
4	LIST_SERVER_NAME The list server name that will be the recipient of a task email.	NOT NULL	VARCHAR2(255)
5	LIST_SERVER_ADDRESS	NULL	VARCHAR2(100)
6	LIST_SERVER_USERID	NULL	VARCHAR2(30)
7	LIST_SERVER_PASSWORD	NULL	VARCHAR2(30)
8	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
9	ENTRY_DATE The date the record was first created	NOT NULL	DATE
10	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
11	UPDATE_DATE The date the record was last updated.	NOT NULL	DATE

Foreign Keys:

MS_DISTLST_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM

Indexes:

MS_DISTLST_APP_FK_I
APPLICATION_ACRONYM

Table: MS_EVENT*Description:*

Declaration of an Event that should process on the scheduled days and hour between the start date and end date.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EVENT_ID Unique number identifying an Event record	NOT NULL	NUMBER(10)
2	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
7	SCHEDULE_ID Unique number identifying a schedule	NOT NULL	NUMBER(10)
8	MS_DELIVERY_HOUR	NOT NULL	VARCHAR2(15)
10	DESCRIPTION Description of the event and its purpose.	NOT NULL	VARCHAR2(255)
13	NEXT_EXECUTION_START_DATE The calculated next date the event is scheduled to process.	NOT NULL	DATE
14	LAST_EXECUTION_START_DATE The date that processing of the event last started. Used for statistics.	NULL	DATE
15	LAST_EXECUTION_END_DATE The date that processing of the event last ended. Used for statistics.	NULL	DATE
16	LAST_EXECUTION_STATUS Open text field to contain any error messages or status messages that occurred during the last processing of the event.	NULL	VARCHAR2(255)
21	START_DATE The date after which the Event may be processed	NOT NULL	DATE
26	END_DATE The date the Event must be processed by.	NOT NULL	DATE
27	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
28	ENTRY_DATE The date the record was first created	NOT NULL	DATE
29	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
30	UPDATE_DATE The date the record was last updated.	NOT NULL	DATE

Foreign Keys:

MS_EVENT_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM
MS_EVENT_MS_DEL_HR_FK
MS_DELIVERY_HOUR = MS_DELIVERY_HOUR.MS_DELIVERY_HOUR
MS_EVENT_MS_SCHED_FK
SCHEDULE_ID = MS_SCHEDULE.SCHEDULE_ID

Indexes:

MS_EVENT_APP_FK_I
APPLICATION_ACRONYM
MS_EVENT_MS_DEL_HR_FK_I
MS_DELIVERY_HOUR
MS_EVENT_MS_SCHED_FK_I
SCHEDULE_ID

Table: MS_MESSAGE*Description:*

Message that gets distributed as a result of the associated task being processed.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_ID Unique number identifying a message	NOT NULL	NUMBER(10)
2	TASK_ID Unique number identifying a task	NOT NULL	NUMBER(10)
3	SUBJECT The subject header of an email	NOT NULL	VARCHAR2(1000)
4	CONTACT Contact information for the email	NULL	VARCHAR2(255)
5	REFERENCE Stores a reference to a client application, could be a URL that gets embedded into the email to allow the reciever of the email to gain access to the client application	NULL	VARCHAR2(255)
6	REFERENCE_ID Stores a reference to an optional source record of this message.	NULL	NUMBER(10)
7	SEND_DATE This field identifies the date a message becomes is to be sent on or after. <i>The SEND_DATE allows a message to be stored until the send date is reached or passed.</i>	NOT NULL	DATE
8	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
9	ENTRY_DATE The date the record was first created	NOT NULL	DATE
10	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
11	UPDATE_DATE The date the record was last updated.	NOT NULL	DATE

Foreign Keys:

MS_MSG_MS_TASK_FK
TASK_ID = MS_TASK.TASK_ID

Indexes:

MS_MSG_MS_TASK_FK_I
TASK_ID

Table: MS_MESSAGE_BODY*Description:*

Area to store the message text efficiently. Message text may exceed a thousand characters, so this table stores the text of a message body into several records, each a thousand characters long.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_BODY_ID Unique number identifying an email messages body of content	NOT NULL	NUMBER(10)
2	MESSAGE_ID Unique number identifying a message	NOT NULL	NUMBER(10)
3	CONTENT The Email content	NOT NULL	VARCHAR2(1000)
4	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
5	ENTRY_DATE The date the record was first created	NOT NULL	DATE
6	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
7	UPDATE_DATE The date the record was last updated.	NULL	VARCHAR2(240)

Foreign Keys:

MS_MES_BDY_MS_MSG_FK
MESSAGE_ID = MS_MESSAGE.MESSAGE_ID

Indexes:

MS_MES_BDY_MS_MSG_FK_I
MESSAGE_ID

Table: MS_PERIOD_TYPE_CODE*Description:*

Code identifying the delivery periods during which emails can be sent out.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MS_PERIOD_TYPE_CODE	NOT NULL	VARCHAR2(15)
2	DESCRIPTION	NOT NULL	VARCHAR2(255)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: MS_SCHEDULE*Description:*

List of schedules that can be assigned to an event.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCHEDULE_ID Unique number identifying a schedule	NOT NULL	NUMBER(10)
6	MS_PERIOD_TYPE_CODE	NOT NULL	VARCHAR2(15)
7	MS_DELIVERY_DAY	NOT NULL	VARCHAR2(15)
9	DESCRIPTION A display description of the schedule	NOT NULL	VARCHAR2(255)
10	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
11	ENTRY_DATE The date the record was first created	NOT NULL	DATE
12	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
13	UPDATE_DATE The date the record was last updated.	NOT NULL	DATE

Foreign Keys:

MS_SCHED_MS_DEL_DAY_FK
MS_DELIVERY_DAY = MS_DELIVERY_DAY.MS_DELIVERY_DAY
MS_SCHED_MS_PER_TYP_FK
MS_PERIOD_TYPE_CODE = MS_PERIOD_TYPE_CODE.MS_PERIOD_TYPE_CODE

Indexes:

MS_SCHED_MS_DEL_DAY_FK_I
MS_DELIVERY_DAY
MS_SCHED_MS_PER_TYP_FK_I
MS_PERIOD_TYPE_CODE

Table: MS_TASK*Description:*

Task that is performed when an Event gets processed.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TASK_ID Unique number identifying a task	NOT NULL	NUMBER(10)
2	EVENT_ID Unique number identifying an Event record	NOT NULL	NUMBER(10)
7	DISTRIBUTION_LIST_ID Unique number identifying a distribution list	NULL	NUMBER(10)
8	DESCRIPTION Description of what the task accomplishes	NOT NULL	VARCHAR2(255)
13	SENDER_EMAIL_ADDRESS Email address of client sending the email	NULL	VARCHAR2(255)
18	RECIPIENT_EMAIL_ADDRESS Specifies a recipient of the email the task represents.	NULL	VARCHAR2(255)
23	SERVICE_URL Service URL is the URL of a JSP, Servlet, or ASP web application that is called prior to processing task messages. This allows a client application to deliver it's own messages, or allows the client application a chance to populate the task with messages, prior to the delivery of the task messages.	NULL	VARCHAR2(255)
28	LAST_EXECUTION_DATE The last date the task was processed. Used for statistics.	NULL	DATE
33	LAST_EXECUTION_STATUS The status of the last execution of the task. Open text field that may contain error messages or processing comments.	NULL	VARCHAR2(255)
34	ENTRY_USERID The userid of the person who first created the record	NOT NULL	VARCHAR2(30)
35	ENTRY_DATE The date the record was first created	NOT NULL	DATE
36	UPDATE_USERID The userid of the person who last updated the record	NOT NULL	VARCHAR2(30)
43	UPDATE_DATE The date the record was last updated.	NOT NULL	DATE

Foreign Keys:

MS_TASK_MS_DISTLST_FK
DISTRIBUTION_LIST_ID = MS_DISTRIBUTION_LIST.DISTRIBUTION_LIST_ID
MS_TASK_MS_EVENT_FK
EVENT_ID = MS_EVENT.EVENT_ID

Indexes:

MS_TASK_MS_DISTLST_FK_I
DISTRIBUTION_LIST_ID
MS_TASK_MS_EVENT_FK_I
EVENT_ID

Table: ORGANIZATION*Description:*

Defines an organization that may may want to use an eService. Organization is by design, generic, and could be an external (business parter) , and external agency, or an internal org unit.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	ORGANIZATION_ID	NOT NULL	NUMBER(10)
20	ORGANIZATION_TYPE_CODE	NOT NULL	VARCHAR2(3)
	Unique code value identifying an organization type.		
30	CLIENT_NUMBER	NULL	VARCHAR2(8)
40	ORG_UNIT_NO	NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".		
50	NAME	NULL	VARCHAR2(255)
	Name of the Organization		
60	DESCRIPTION	NULL	VARCHAR2(1000)
	Description of the Organization		
70	REVISION_COUNT	NOT NULL	NUMBER(10)
	Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.		
80	EFFECTIVE_DATE	NOT NULL	DATE
	The date in which the Organization became effective.		
90	EXPIRY_DATE	NOT NULL	DATE
	The date in which the Organization expires and is no longer valid.		
100	CREATED_BY	NOT NULL	VARCHAR2(64)
	Userid of person who created this record.		
110	CREATED_DATE	NOT NULL	DATE
	Date the record was created.		
120	UPDATED_BY	NOT NULL	VARCHAR2(64)
	Userid of person who updated this record.		
130	UPDATED_DATE	NOT NULL	DATE
	Date the record was updated.		

Foreign Keys:

ORGS_FOR_CLNT_FK
 CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER
 ORGS_ORGTYPE_FK
 ORGANIZATION_TYPE_CODE = ORGANIZATION_TYPE_CODE.ORGANIZATION_TYPE_CODE
 ORGS_OU_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

ORGS_FOR_CLNT_FK_I
 CLIENT_NUMBER
 ORGS_ORGTYPE_FK_I
 ORGANIZATION_TYPE_CODE
 ORGS_OU_FK_I
 ORG_UNIT_NO

Table: ORGANIZATION_TYPE_CODE*Description:*

The type of Organization speciifed.

The acceptable values are:

BC GOVERNMENT ORG

NON GOVERNMENT ORG

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORGANIZATION_TYPE_CODE Unique code value identifying an organization type.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The code description for an organization type.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP Date and Time the code was updated.	NOT NULL	DATE

Table: ORG_UNIT*Description:*

Records codes for ministry Organizational Units (offices), such as Branch, Region, or District office. Codes are currently defined to the office, section/program, and subsection level.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
2	ORG_UNIT_CODE Identifies any office within the ministry. First character identifies Exec, HQ Branch, Region, or District; next two chars identify the office name; next two the section (HQ Branch) or program (Region or District); last char identifies the subsection.	NOT NULL	VARCHAR2(6)
3	ORG_UNIT_NAME The name or title of a ministry office or section; for example Kamloops Forest Region; Silviculture Branch; Kispiox Forest District Protection program.	NOT NULL	VARCHAR2(100)
4	AREA_CODE A 3-digit number that identifies each telephone service area in a country.	NOT NULL	VARCHAR2(3)
5	TELEPHONE_NO The general office telephone number (excluding the area code) for a Ministry of Forests office.	NOT NULL	VARCHAR2(7)
6	ORG_LEVEL_CODE Represents the organizational level of the Ministry, and is one of D District Forestry Office, E Executive, H Headquarters Branch, and R Regional Forestry Office.	NOT NULL	VARCHAR2(1)
7	ROLLUP_REGION_NO Identifier designating the region to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only, and are not to be used by people as "Ministry codes".	NOT NULL	NUMBER(10)
8	ROLLUP_REGION_CODE Identifier designating the region to which the org unit is rolled into for reporting purposes.	NOT NULL	VARCHAR2(6)
9	ROLLUP_DIST_NO Identifier designating the district to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only and are not to be used by people as "Ministry codes".	NOT NULL	NUMBER(10)
10	ROLLUP_DIST_CODE Identifier designating the district to which the org unit is rolled into for reporting purposes.	NOT NULL	VARCHAR2(6)
11	EFFECTIVE_DATE The date the Organizational Unit became effective as a valid Org Unit within the ministry's organizational structure.	NOT NULL	DATE
12	UPDATE_TIMESTAMP The date and time of the last update.	NULL	DATE
13	EXPIRY_DATE The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministry's organizational structure. At the determination of Human Resources Branch, an expired Org Unit may be retained for historical purposes, or may be deleted.	NOT NULL	DATE

Table: ORG_UNIT_NT_GROUP*Description:*

The NT Groups that will work on behalf of associated org unit. NT Group members are granted application access through the application_role table, thus providing a finer level of security granularity. For example, members of the Prince_George group could be authorized to work on behalf of the Prince George Region org unit to issue orders on their behalf, but the group would not be authorized to issue those same orders on Cariboo regions behalf.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GROUP_NAME NT Local Group Name	NOT NULL	VARCHAR2(255)
2	ORG_UNIT_NO Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)

Foreign Keys:

ORGUNT_GRP_OU_FK
ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

ORGUNT_GRP_OU_FK_I
ORG_UNIT_NO

Table: PREFERENCE*Description:*

A preference for an application or a user. This is in the form of Name/Value pairs and the datatype of the value is always String.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PREFERENCE_ID	NOT NULL	NUMBER(10)
2	PREFERENCE_TYPE_CODE	NOT NULL	VARCHAR2(3)
	Unique code value identifying an preference type.		
3	PREFERENCE_SUB_TYPE	NOT NULL	VARCHAR2(30)
	The sub type of preference. For example, an Preference of typ "Extension" would have a sub type of "UserInfo". Provides a further level of categorization.		
4	APPLICATION_ACRONYM	NULL	VARCHAR2(30)
	The commonly used acronym associated with the application or system.		
5	PREFERENCE_SET_NAME	NULL	VARCHAR2(100)
	Provides a grouping of preferences. In some cases it would be unweildly to have a flat preference model so preferences can be optionally grouped together via this attribute.		
6	PREFERENCE_NAME	NOT NULL	VARCHAR2(100)
	The name of the preference key used to look up the preference value. Similar to an old style INI file for storing preferences in a string format.		
7	PREFERENCE_VALUE	NOT NULL	VARCHAR2(4000)
	The preference value returned as a result of a search on the preference name. Similar to an old style INI file for storing preferences in a string format.		
8	CREATED_BY	NOT NULL	VARCHAR2(64)
	Userid of person who created this record.		
9	CREATED_DATE	NOT NULL	DATE
	Date the record was created.		
10	UPDATED_BY	NOT NULL	VARCHAR2(64)
	Userid of person who updated this record.		
11	UPDATED_DATE	NOT NULL	DATE
	Date the record was updated.		
12	REVISION_COUNT	NOT NULL	NUMBER(10)
	Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.		
13	EUSER_ID	NULL	NUMBER(10)
	Unique number used to identify a EUser.		

Foreign Keys:

PREF_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM

PREF_EUSER_FK
EUSER_ID = EUSER.EUSER_ID

PREF_PREFTYPE_FK
PREFERENCE_TYPE_CODE = PREFERENCE_TYPE_CODE.PREFERENCE_TYPE_CODE

Indexes:

PREF_APP_FK_I
APPLICATION_ACRONYM

PREF_EUSER_FK_I
EUSER_ID

PREF_PREFTYPE_FK_I
PREFERENCE_TYPE_CODE

Notes:

Need to check with Tony D to see if this is the same table he used for ECAS "workflow".

Table: PREFERENCE_TYPE_CODE*Description:*

The types of preferences that can be defined. The following types are required for WebADE 4.

- EUser Preference: A preference which will include a user name and an application.
- Application Preference: A preference which will include an application.
- WebADE Preference: A preference used by WebADE on a global basis for all applications.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PREFERENCE_TYPE_CODE Unique code value identifying an preference type.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The code description for an preference type.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP Date and Time the code was updated.	NOT NULL	DATE

Table: PROCESSING_STATUS_CODE*Description:*

A code table containing the list of statuses that a report can be in(submitted, processing, completed, and error).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PROCESSING_STATUS_CODE	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: PROFILE_ROLE_LINK*Description:*

A link table to resolve the many to many relationship between application and profile.

There needs to be caution when mapping Application Roles to Access Profiles. If there is already EAuthorizations against the Access Profile, then you are adding/removing roles to those EAuthorization records as well.

The EUser may have new authorities that they did not make an electronic agreement for. This may result in EUser signing off on additional Electronic Agreement records, or require them to re-agree to their existing agreements since their responsibilities have expanded.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ROLE_NAME The name given to a role within a specific application.	NOT NULL	VARCHAR2(50)
* 2	AUTHORIZATION_PROFILE_ID Unique number identifying and Access Profile	NOT NULL	NUMBER(10)
* 3	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)

Foreign Keys:

PRFLNK_AR_FK
ROLE_NAME = APPLICATION_ROLE.ROLE_NAME
APPLICATION_ACRONYM = APPLICATION_ROLE.APPLICATION_ACRONYM
PRFLNK_AUTHPROF_FK
AUTHORIZATION_PROFILE_ID = AUTHORIZATION_PROFILE.AUTHORIZATION_PROFILE_ID

Indexes:

PRFLNK_AR_FK_I
ROLE_NAME
APPLICATION_ACRONYM
PRFLNK_AUTHPROF_FK_I
AUTHORIZATION_PROFILE_ID

Table: PROXY_CONTROL*Description:*

Contains the Proxy ID's for a role.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	ROLE_NAME The name given to a role within a specific application.	NOT NULL	VARCHAR2(50)
* 20	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
30	DB_USERID Database userid to use to connect to the database	NOT NULL	VARCHAR2(30)
40	DB_PASSWORD Database password to use to connect to the database	NOT NULL	VARCHAR2(30)
50	DB_DRIVER Specifies Database Driver to use. ie ORACLE, MSQL, etc...	NULL	VARCHAR2(50)
60	CONNECTION_INFO The connection string to use to connect with the driver to the database.	NULL	VARCHAR2(255)
70	MIN_CONNECTIONS The minimum number of connections the pool for this role must contain.	NULL	NUMBER(3)
80	MAX_CONNECTIONS The maximum number of connections the pool for this role may contain.	NULL	NUMBER(3)
90	MAX_CONNECTION_IDLE_TIME The max amount of time (in minutes) a connection should remain open in the pool.	NULL	NUMBER(6)
100	MAX_CONNECTION_WAIT_TIME The amount of time (in milliseconds) a pool client thread should wait for a connection. (0=blocks forever and -1=never block).	NULL	NUMBER(10)
110	MONITOR_SLEEP_TIME The amount of time (in minutes) between the checks made by the pool monitor.	NULL	NUMBER(6)
120	POOL_CONNECTIONS_IND A flag to indicate whether to use connection pooling or use on-demand connections. Valid values are 'Y' or 'N'.	NOT NULL	VARCHAR2(1)
130	PING_CONNECTIONS_IND A flag to indicate whether a test should be performed to verify it is a valid connection, before handing it out.	NOT NULL	VARCHAR2(1)

Foreign Keys:

PC_AR_FK

APPLICATION_ACRONYM = APPLICATION_ROLE.APPLICATION_ACRONYM

ROLE_NAME = APPLICATION_ROLE.ROLE_NAME

Indexes:

PC_AR_FK_I

APPLICATION_ACRONYM

ROLE_NAME

Table: REPORT_APPLICATION_CONFIG*Description:*

Contains the configuration settings required to initialize the online and batch report manager processes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
2	ONLINE_CRYSTAL_MAX_SESSIONS The max number of sessions available to online requests for the Crystal Report server	NOT NULL	NUMBER
3	ONLINE_CRYSTAL_MAX_WAIT The max time for an online report request to wait for a connection to the Crystal Web Server	NOT NULL	NUMBER
4	ONLINE_TEMP_DIRECTORY The physical location of the temp directory for online report request processing	NOT NULL	VARCHAR2(255)
5	CLEAN_TEMP_DIRECTORY_IND A flag indicating whether to delete report files from the temp directory when completed a report request	NOT NULL	VARCHAR2(1)
6	DEFAULT_REPORT_CACHE_IND The indicator of the global setting for report caching for a given WebADE application. The allowable values are "Y" and "N" with the default being "Y".	NOT NULL	VARCHAR2(1)
11	EMAIL_FROM_ADDRESS The "from" address to be used in email delivery of reports	NULL	VARCHAR2(100)
12	EMAIL_FROM_MAILER The "X-Mailer" header value for email delivery of reports identifying the mailing application where the report originated from	NULL	VARCHAR2(100)
13	EMAIL_SMTP_HOST The SMTP host to use to deliver email reports	NULL	VARCHAR2(100)
14	ADMIN_EMAIL_ADDRESS The address in which administrative alerts are sent to in order to alert of an issue with report processing.	NULL	VARCHAR2(100)
15	ATTEMPT_THRESHOLD The number of processing attempts for a jobs residing in the Report Queue before an administrative email is sent to alert of the problem.	NULL	NUMBER(6)
16	CRYSTAL_JS_HOSTNAME The network name of the Crystal Job Server to use when scheduling jobs to be processed.	NOT NULL	VARCHAR2(100)
17	CRYSTAL_JS_USERNAME The username to use when connecting to the Crystal Job Server.	NOT NULL	VARCHAR2(30)
18	CRYSTAL_JS_PASSWORD The password to use when connecting to the Crystal Job Server.	NOT NULL	VARCHAR2(30)
19	REPORT_SERVER_ID Unique ID of a given Crystal Report Server	NULL	NUMBER(10)

Foreign Keys:

RAC_APP_FK
APPLICATION_ACRONYM = APPLICATION.APPLICATION_ACRONYM
RAC_RS_FK
REPORT_SERVER_ID = REPORT_SERVER.REPORT_SERVER_ID

Indexes:

RAC_APP_FK_I
APPLICATION_ACRONYM
RAC_RS_FK_I
REPORT_SERVER_ID

Table: REPORT_DELIVERY_CODE*Description:*

A code table containing the list of possible delivery codes available to reporting(Currently Email and Direct).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REPORT_DELIVERY_CODE	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: REPORT_PARAMETER*Description:*

Contains the parameter name/value pairs to be passed to the report program in order of sequence

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	JOB_ID The unique ID of a request job	NOT NULL	NUMBER(10)
* 2	PARAM_SEQUENCE The sequence value in which to order the parameters	NOT NULL	NUMBER
3	PARAM_NAME The name of the parameter	NOT NULL	VARCHAR2(40)
4	PARAM_VALUE The value of the parameter	NULL	VARCHAR2(2000)

Foreign Keys:

RP_RQ_FK
JOB_ID = REPORT_QUEUE.JOB_ID

Indexes:

RP_RQ_FK_I
JOB_ID

Table: REPORT_PROGRAM_CODE*Description:*

A code table containing the list of reporting engines(Currently Oracle and Crystal Reports).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REPORT_PROGRAM_CODE	NOT NULL	VARCHAR2(8)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: REPORT_PROXY_CONTROL*Description:*

Contains the login data fields needed to connect to the reporting engine associated with the defined application/report program/role combination.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	CONNECT_NAME This is primarily a name based on the requesting user's role	NOT NULL	VARCHAR2(50)
* 10	REPORT_PROGRAM_CODE	NOT NULL	VARCHAR2(8)
* 11	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
14	DB_USERID The reporting engine logon username	NOT NULL	VARCHAR2(30)
15	DB_PASSWORD The reporting engine logon password	NOT NULL	VARCHAR2(30)
16	CONNECTION_INFO For Oracle, the JDBC connection url, for Crystal, the ODBC connection name.	NULL	VARCHAR2(255)

Foreign Keys:

RPXC_RAC_FK
APPLICATION_ACRONYM = REPORT_APPLICATION_CONFIG.APPLICATION_ACRONYM
RPXC_RPC_FK
REPORT_PROGRAM_CODE = REPORT_PROGRAM_CODE.REPORT_PROGRAM_CODE

Indexes:

RPXC_RAC_FK_I
APPLICATION_ACRONYM
RPXC_RPC_FK_I
REPORT_PROGRAM_CODE

Table: REPORT_QUEUE*Description:*

The queue of reports requiring batch processing for all WebADE applications

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	JOB_ID The unique ID of a request job	NOT NULL	NUMBER(10)
6	REPORT_NAME The name of the report file to be used to generate the report request	NOT NULL	VARCHAR2(255)
11	EMAIL_TO_ADDRESS The address to deliver the report to in an email delivery	NULL	VARCHAR2(128)
16	SUBMITTED_BY_USER The name of the user who submitted the request	NOT NULL	VARCHAR2(30)
21	SUBMITTED_TIME The date and time of the report request submission	NOT NULL	DATE
26	START_PROC_TIME The date and time the report request began to be processed	NULL	DATE
31	END_PROC_TIME The date and time the report request process completed	NULL	DATE
36	ATTEMPT_COUNT The number of times a job within the queue has been attempted by the Report Queue Manager.	NOT NULL	NUMBER(6)
41	ERROR_MESSAGE The error message generated if the report process encountered an error	NULL	VARCHAR2(200)
47	REPORT_DELIVERY_CODE	NOT NULL	VARCHAR2(3)
52	CONNECT_NAME This is primarily a name based on the requesting user's role	NOT NULL	VARCHAR2(50)
57	REPORT_PROGRAM_CODE	NOT NULL	VARCHAR2(8)
58	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
63	PROCESSING_STATUS_CODE	NOT NULL	VARCHAR2(3)
64	MIME_TYPE_CODE	NOT NULL	VARCHAR2(3)
75	REPORT_URL The Uniform Resource Locator needed by the user to retrieve the file once it has been generated.	NULL	VARCHAR2(2000)
80	REPORT_DIRECTORY The server side directory the Report Manager should place the report after being generated.	NULL	VARCHAR2(2000)
81	REPORT_FILENAME The destination file name to use for the name of the generated report.	NULL	VARCHAR2(200)
82	MIN_START_DATE The date on or after the requested report should be executed and delivered.	NULL	DATE
83	MAX_START_DATE The latest date in which the report should be executed by. Reported as an error if date passes.	NULL	DATE
87	ALLOW_REPORT_CACHE_IND This will determine if the report will be generated with caching turned on or off. The allowable values are "Y" and "N" with the default being "Y".	NOT NULL	VARCHAR2(1)
92	ADMIN_EMAIL_SENT_IND Indicates whether a message has been sent to the administrator of the report queue. This is to ensure one and only one message is sent about an issue. The allowable values are "Y" and "N" with the default being "N".	NOT NULL	VARCHAR2(1)
93	EMAIL_SUBJECT The subject used for the email notification to the user when the report has completed. This is set/customized by each MoF application.	NULL	VARCHAR2(100)
94	EMAIL_BODY The body text used for the email notification to the user when the report has completed. This is set/customized by each MoF application.	NULL	VARCHAR2(2000)

Foreign Keys:

RQ_MTC_FK
MIME_TYPE_CODE = MIME_TYPE_CODE.MIME_TYPE_CODE
RQ_PSC_FK
PROCESSING_STATUS_CODE = PROCESSING_STATUS_CODE.PROCESSING_STATUS_CODE

Table: REPORT_QUEUE (cont'd)*Foreign Keys:*

RQ_RDC_FK
REPORT_DELIVERY_CODE = REPORT_DELIVERY_CODE.REPORT_DELIVERY_CODE
RQ_RPXC_FK
CONNECT_NAME = REPORT_PROXY_CONTROL.CONNECT_NAME
REPORT_PROGRAM_CODE = REPORT_PROXY_CONTROL.REPORT_PROGRAM_CODE
APPLICATION_ACRONYM = REPORT_PROXY_CONTROL.APPLICATION_ACRONYM

Indexes:

RQ_MTC_FK_I
MIME_TYPE_CODE
RQ_PSC_FK_I
PROCESSING_STATUS_CODE
RQ_RDC_FK_I
REPORT_DELIVERY_CODE
RQ_RPXC_FK_I
CONNECT_NAME
REPORT_PROGRAM_CODE
APPLICATION_ACRONYM

Table: REPORT_SERVER*Description:*

Contains the report server-specific configuration information for a Crystal Report Web Server. Currently stores the location URL of the report server and batch queue manager settings for the report server.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REPORT_SERVER_ID Unique ID of a given Crystal Report Server	NOT NULL	NUMBER(10)
2	REPORT_QUEUE_MANAGER_ID The id name of the batch queue manager that will process batch report requests for this report server	NULL	VARCHAR2(30)
3	CRYSTAL_SERVER_URL The URL location of the Crystal Report Server. This was used with version 8 of the Crystal Enterprise product. We no longer need this and should be removed when all instances of WebADE are upgraded.	NOT NULL	VARCHAR2(255)
4	BATCH_CRYSTAL_MAX_SESSIONS The maximum number of sessions the controlling batch queue manager can make to the report server	NULL	NUMBER(10)
5	CRYSTAL_JS_HOSTNAME The network name of the Crystal Job Server to use when scheduling jobs to be processed. <i>The network name of the Crystal Job Server to use when scheduling jobs to be processed.</i>	NOT NULL	VARCHAR2(100)
6	CRYSTAL_JS_USERNAME The username to use when connecting to the Crystal Job Server. <i>The username to use when connecting to the Crystal Job Server.</i>	NOT NULL	VARCHAR2(30)
7	CRYSTAL_JS_PASSWORD The password to use when connecting to the Crystal Job Server. <i>The password to use when connecting to the Crystal Job Server.</i>	NOT NULL	VARCHAR2(30)

Table: REPORT_SUB_REPORT*Description:*

Contains the associated sub report names for a given report.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	SUB_REPORT_NAME The name of a sub report associated with the report to be generated in the queue	NOT NULL	VARCHAR2(100)
* 6	JOB_ID The unique ID of a request job	NOT NULL	NUMBER(10)

Foreign Keys:

RSR_RQ_FK
JOB_ID = REPORT_QUEUE.JOB_ID

Indexes:

RSR_RQ_FK_I
JOB_ID

Table: USER_TYPE_CODE*Description:*

Indicates the function the user serves or the relationship the user has to the Ministry.

Subset of the USER_TYPE_CODE code values in IDD:

GOV Government

BUP Business Partner

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	USER_TYPE_CODE The unique code for the type.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION Description of the type.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date the code becomes effective	NOT NULL	DATE
4	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP Date the code was updated.	NOT NULL	DATE

Notes:

Initially the system will need to support the following:

BC Government User

Business Partner

Eventually the classification for citizen/individual will be required.