BRITISH COLUMBIA

Corporate Services for the Natural Resource Sector

Information Management Branch

Corporate Oracle Data Model Repository Access Procedures

Document History

Version	Description of Change, Review or Approval	Author	Date
1.0	First draft of the guidelines consolidated from Natural Resource Sector data modelling standards • Corporate Oracle Repository Access Procedures	Bill Holland	January 2011

Contents

1) Scope

This document describes procedures for access to a development environment in one of the shared corporate Oracle Designer data model repositories. It represents a consolidation of ILMB, MoE/MAL and MoFR practices.

1.1   Purpose

To model in the Corporate Oracle Data Model Repository there are procedures which must be understood by Business Portfolio Managers (BPM) and developers. The procedures are established by Data Administration (DA) group of the Architecture section in conjunction with the Database Administration (DBA) and Security areas within the Information Management Branch (IMB). This document provides access procedures and information to start modelling in any of the Corporate Oracle Data Model Repositories.

1.2   Audience

The audience for this document is primarily vendors on contract with the Natural Resource Sector (NRS), who are developing data models for the business clients and BPM's that are guiding development.

1.3   Assumptions

It is assumed that developers have formal training in data model development. It is also assumed that developers understand application development and the Systems Development Lifecycle (SDLC).

2) Corporate Model Repositories

Data Administration manages 3 separate model repositories, all at Oracle release 10.1.2.4.

Determination of which repository a **new** project should utilize will be determined at the technical White Board Session. Existing applications developed in the former MoE/MAL will continue to use RDRPROD1. Existing applications developed in the former MoFR repository will continue to use DBC05. Applications transferred from ILMB will use the NRSMR1 repository.

3) Access Procedures

Only a named IDIR/BCeID user will be given an Oracle UserID to access an Oracle repository. Government policy mandates that any userID and passwords are not to be shared with others.

3.1 Developers

- For new IDIR accounts, developers must contact the CSNR BPM/BA for the specific project to acquire an IDIR account and VPN access, and Oracle UserID.
- Developers requiring update access to specific Models in the repositories must request access through the appropriate CSNR BPM/BA for that project.

3.2 BPMs/Bas

- To request creation of a new Oracle UserId for a developer in one of the model repositories, BPMs should provide Data Administration with the following information:
  - Application acronym
  - Developer's full name
  - Telephone number(s)
  - IDIR account
  - Org Unit
  - Model repository Database(s)
  - Expiry date
  - Email address

- To request access to one or more models in the repositories for developers with an existing Oracle Userid, BPMs should provide Data Administration with the following information:
  - Application acronym
  - Developer name, telephone number, and Email address
  - IDIR account
  - Oracle UserID

4) Required Reading

A developer new to the Natural Resource Sector's Oracle modelling environment must read the following documents before undertaking any application changes:

- Data Modelling Standards
- Naming Standards (includes codes)
- Developers Working in a Versioned Oracle Designer Repository

NOTE: As there are no procedures needed for working in a non-versioned Oracle Designer repository, no documentation is required.

APPENDIX A - Repository Connection Information

TNSNAMES entries for the Corporate Data Model repositories for the Natural Resource Sector are as follows:

- DBC05 (non–versioned repository)

```
DBC05 =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST =
cecelia.for.gov.bc.ca)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = dbc05.world)
    )
  )
```

- NRSMR1 (versioned repository)

```
NRSMR1 =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST =
slkux14.env.gov.bc.ca)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = nrsmr1.env.gov.bc.ca)
      (INSTANCE_NAME = nrsmr1)
    )
  )
```

- RDRPROD1 (versioned repository)

```
RDRPROD1 =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST =
envux7.env.gov.bc.ca)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = rdrprod1.env.gov.bc.ca)
      (INSTANCE_NAME = rdrprod1)
    )
  )
```

APPENDIX B - **Repository Object Browser**

Note - Repository Object Browser (ROB) is ONLY in use with the RDRPROD1 repository.

The ROB is available for repository searches and for downloading of documents at the intranet site: http://csdgww.bcgov/imb/da/services/rob.html

If any PDF's, of diagrams, are missing in the file download area and are needed, contact Data Administration.

Contact Data Administration for Model information from other repositories.

APPENDIX C – **Software Version of Repositories**

Currently used within NRS, Oracle Designer software is at the Oracle 10g patch release 10.1.2.4.

NOTE: Obtaining the current Oracle release on the Oracle website will not be compatible with the NRS repository environment.

The full IDS software package must be installed first, followed by installing the patch for Designer. Also a reports patch is required for reports to function properly. The client software license is free from Oracle for doing development work, but developers must register with Oracle by downloading the latest patch. Oracle does not provide archived patches so the patches mentioned above are available on our intranet at:

The full IDS being at http://csdgww.bcgov/imb/software/sw_nt/oracle/ids.10g/ids10g_full/
This is the software that is installed before either patch is applied.

http://csdgww.bcgov/imb/software/sw_nt/oracle/ids.10g/ids10g_patches/10gR2_designer_10
124.zip This is the patch for 10G 10.1.2.4 Designer Client for anyone who has VPN access.

Also you will need to install the reports patch.
http://csdgww.bcgov/imb/software/sw_nt/oracle/ids.10g/ids10g_patches/p5983622_10123_
WINNT.zip

For help with government VISTA installs, the document below may be of some help.
http://csdgww.bcgov/imb/software/sw_nt/oracle/ids.10g/ids10g_patches/Oracle10.1.2.4_BCG
OV_Install_Document.docx