**Oracle PL/SQL Code Standards**

All PL/SQL code submitted should adhere to the following naming conventions.

FT\_PK\_ = PACKAGE

FT \_P\_ = PROCEDURE

FT \_FN\_ = FUNCTION

FT\_V\_ = VIEW

FT \_TG\_ *TABLENAME\_* = TRIGGER

FT\_SEQ\_*TABLENAME* = SEQUENCES

*Note*

* *As a rule we should try not to use Procedures or Functions unless they are part of a Package*
* *There may be other to add to this list. We’ll deal with them as they arise*

**PACKAGE Version Control**

All packages submitted should contain

1. A version control number as a global variable as shown in example below

CREATE OR REPLACE PACKAGE BSDL\_PK\_RDT

AS

-- Global Variables

cVersionControlNo VARCHAR2(12) := '1.0.0'; -- Current Version Number

This version number should start at 1.0.0

1. A function to return the version

FUNCTION CURRENTVERSION RETURN VARCHAR2 IS RET\_VERSION VARCHAR(12);

-- Returns the current version number so that calling programs can detect if a version is out of date

-- As with the rest of Freshtrade the version number is in the format nn.nn.nn

--so it has to be returned as a string

BEGIN

RETURN CVERSIONCONTROLNO;

END CURRENTVERSION;

This means that we can access the variable at runtime & check the correct package was running. Also the installer can pick up on this

**VIEW Version Control**

A trigger should include a comment after the create statement, as shown in example below

COMMENT ON TABLE FT\_V\_DELAUDIT IS '1.0.0'; -- cVersionControlNo

Again this can be accessed at runtime & the installer can pick up on this.

*select COMMENTS from user\_tab\_comments where table\_name = 'FT\_V\_DELAUDIT'*

**TRIGGER Version Control**

Including the table name in the Trigger will help identify it. Note - We’re restricted to 30 chars

CREATE OR REPLACE TRIGGER FT\_TG\_TABLENAME\_AUD BEFORE INSERT ON TABLENAME FOR EACH ROW

DECLARE

cVersionControlNo VARCHAR2(12) := '1.0.0'; -- Current Version Number

BEGIN

…..

This cannot be accessed at runtime but it should still be included.

**READ ME Files**

Rather than clog up the code with comments, all submitted PL/SQL items listed above should include a text file. (except for Sequences)

It should be named the same as the code item with a “–README “ at the end of the name

eg BSDL\_PK\_RDT–README.txt

BSDL\_V\_RDT–README.txt

The contents should be as follows

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\*\*\*\* Short Description

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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\*\*\*\* Written by …….

\*\*\*\* Date: Dec 2014

\*\*\*\* Original Log Number: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\* Version 1.0.1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*

\*\*\*\* Modified by: …….

\*\*\*\* Modified on: 12/12/2014

\*\*\*\* Modified Log: 13500

\*\*\*\* Change Made:

(1) Rename to FT rather than BSDL

\*\*\*\* Line …..

\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\* Version 1.0.0

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\*\*\*\* Modified by: …….

\*\*\*\* Modified on: 12/12/2014