**Information for ‘See My Data’ / ‘My Account’ data extract**

The specification document that SeeMyData (SMD) require is included in the same directory as this document.

The files that are currently produced are only in test and have not been validated by SMD. A SQL Server Agent job exists on OHG2K5SQL01 called ‘See My Data v2.0 (in test)’. This job calls a stored procedure in the uh630live database called ‘u\_sp\_SeeMyData’. This procedure is reproduced over the page.

It creates a global temporary table (##t\_mb\_out) to store the output data in, then opens a cursor to read in the config for each file from the u\_seemydata table. The config table basically consists of the file name to output and some SQL which contains the required data. This SQL must SELECT INTO another global temporary table called ##t\_mb so that the data can be retrieved. The metadata from sys.columns for that table is then used to create a dynamic SQL statement to write the data into rows in the ##t\_mb\_out in the required format.

The output is then created using the dos bulk copy command.

ALTER PROCEDURE [dbo].[u\_sp\_SeeMyData]

@path varchar(max)

AS

DECLARE @filenm varchar(max),

@def\_sql varchar(max),

@out\_sql varchar(max),

@dos\_cmd nvarchar(1000),

@dos\_result int,

@dos\_filename varchar(255)

DECLARE @cols TABLE(nm varchar(100))

CREATE TABLE ##t\_mb\_out(rw varchar(MAX))

DECLARE c CURSOR FOR SELECT filenm, sql FROM u\_seemydata WHERE active = 1

OPEN c

FETCH NEXT FROM c INTO @filenm, @def\_sql

WHILE @@FETCH\_STATUS = 0

BEGIN

PRINT 'Beginning ' + @filenm

PRINT ''

EXEC(@def\_sql)

TRUNCATE TABLE ##t\_mb\_out

DELETE FROM @cols

INSERT INTO @cols(nm)

SELECT name FROM tempdb.sys.columns WHERE object\_id=object\_id('tempdb..##t\_mb')

SET @out\_sql = 'SELECT ''#BOF#'' UNION ALL SELECT ''#BOL#'' + '

SELECT @out\_sql = @out\_sql + '''#FS#'' + ISNULL(CAST([' + nm + '] AS varchar(MAX)),'''') + '

FROM @cols

SET @out\_sql = @out\_sql + '''#EOL#'' FROM ##t\_mb UNION ALL SELECT ''#EOF'''

-- PRINT @out\_sql

INSERT INTO ##t\_mb\_out

EXEC (@out\_sql)

-- SET @dos\_filename = '"\\ohgapp01\seemydata$\v2.0\smd upload\' + @filenm +'"'

SET @dos\_filename = '"' + @path + CASE WHEN RIGHT(@path,1) = '\' THEN '' ELSE '\' END + @filenm + '"'

SET @dos\_cmd = 'bcp "SELECT rw FROM ##t\_mb\_out" queryout ' + @dos\_filename +' -c -T -S'+@@Servername

EXEC @dos\_result = xp\_cmdshell @dos\_cmd, NO\_OUTPUT

IF @dos\_result != 0 RAISERROR ('Could not output file!',16,0)

DROP TABLE ##t\_mb

FETCH NEXT FROM c INTO @filenm, @def\_sql

END

DROP TABLE ##t\_mb\_out

CLOSE c

DEALLOCATE c