**QC Import Module**

There are two new Class module called QCPalletSelection.cs and UpdateImportDatasetForQC.cs in the FAPI Inventory Import app.

The first one the QCPalletSelection class takes as parameters, the current dataset, a list of app parms and the importTemplateSettings, and populates the FAPI\_QC\_Pallet\_Selection table with the dataset data, then runs the UpdateQCArchiveTable stored procedure which does the selection and puts the results into the QC\_Archive table with “QC” in the memo field. Then updates the FAPI\_Data\_Archive table from the QC\_Archive table. Doing this way in stages makes it easier to troubleshoot and recover if there are problems.

Then the UpdateImportDataSetForQC class takes the dataset and updates it with the updated memo field “QC” values for the selected pallets so it is ready to continue with the export process.

Only for the text version of the Famous export file is the Memo field uploaded. Since the memo field is not used for XML, it is not uploaded.

There is also a report to return a list of the pallets selected for QC, selected by vessel number. The report is called, Pallets for QC and is located in the Imports Folder on the SSRS server.

<http://webapps:8090/Reports/Pages/Folder.aspx?ItemPath=%2fImports&ViewMode=Detail>

Here is the stored procedure used for the selection and table updates.

USE [ImportDataWarehouse]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[UpdateQCArchiveTable] Script Date: 11/22/2014 12:22:21 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- =========================================================

-- Author: Mikhael Brown

-- Create date: October 26, 2014

-- Description: Updates the list of pallets and the data

-- that are selected for QC and marked QC in the memo column

-- =========================================================

ALTER PROCEDURE [dbo].[UpdateQCArchiveTable]

-- Add the parameters for the stored procedure here

AS

BEGIN

-- SET NOCOUNT ON added to prevent extra result sets from

-- interfering with SELECT statements.

SET NOCOUNT ON;

--Create a temp table to hold the signature of pallets to QC and the number of to QC

--DROP TABLE [#QC\_Temp]

CREATE TABLE [#QC\_Temp](

[RowNumber] [bigint] NULL,

[Exporter] [varchar](50) NULL,

[Pallet\_Prefix] [varchar](10) NOT NULL,

[Variety\_Code] [varchar](50) NOT NULL,

[Label\_Code] [varchar](50) NOT NULL,

[StyleSize] [varchar](100) NULL,

[Grade\_Code] [varchar](50) NOT NULL,

[Grower\_Number] [varchar](50) NOT NULL,

[Number Pallets to check] [int] NOT NULL

)

--Fill temp table with criteria for QC selection

INSERT INTO #QC\_Temp

SELECT

ROW\_NUMBER() OVER(ORDER BY Exporter) AS [RowNumber]

,[Exporter]

,[Pallet\_Prefix]

,[Variety\_Code]

,[Label\_Code]

,[Style\_Code] + [Size\_Code] AS [StyleSize]

,ISNULL([Grade\_Code], '') AS 'Grade\_Code'

,[Grower\_Number]

, ((CASE

COUNT(DISTINCT Pallet\_Number) When 1 THEN 2 --Should at least have one pallet

ELSE COUNT(DISTINCT Pallet\_Number)

END)/2)

AS [Number Pallets to check]

--INTO #QC\_Temp

FROM [ImportDataWarehouse].[dbo].[FAPI\_QC\_Pallet\_Selection]

WHERE Boxes\_Count >= 50 --Only use pallets with more than 50 boxes

GROUP BY Exporter, [Pallet\_Prefix], Variety\_Code, Label\_Code, [Style\_Code] + [Size\_Code], Grower\_Number, [Grade\_Code]

ORDER BY

Exporter, Variety\_Code, Label\_Code, [Style\_Code] + [Size\_Code], Grower\_Number

DECLARE @RowNum INT

DECLARE @MaxRows INT

DECLARE @NumberToPull INT

SET @RowNum = 1

SET @MaxRows = (SELECT COUNT([Exporter]) FROM [#QC\_Temp])

SET @NumberToPull = 1

WHILE @RowNum <= @MaxRows --Step through all rows of the QC\_Temp table

BEGIN

SET @NumberToPull = (SELECT --Get the number of pallet to pull

[Number Pallets to check]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum)

INSERT INTO QC\_Archive

SELECT TOP (@NumberToPull) [Selection\_Date]

,[Receipt\_Number]

,[Exporter]

,[Vessel\_Number]

,[Pallet\_Prefix]

,[Warehouse]

,[Region]

,[Grower\_Block]

,[Commodity\_ID]

,[Receiving\_Date]

,[Pallet\_Number]

,[Variety\_Code]

,[Label\_Code]

,[Style\_Code]

,[Size\_Code]

,[Pack\_Code]

,[Grade\_Code]

,[Grower\_Number]

,[Boxes\_Count]

,'QC' AS Memo

,[QC\_Key]

FROM [ImportDataWarehouse].[dbo].[FAPI\_QC\_Pallet\_Selection]

WHERE [Boxes\_Count] >= 50

AND Exporter = (SELECT

[Exporter]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Pallet\_Prefix] = (SELECT

[Pallet\_Prefix]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Variety\_Code] = (SELECT

[Variety\_Code]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Label\_Code] = (SELECT

[Label\_Code]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Variety\_Code] = (SELECT

[Variety\_Code]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Style\_Code] + [Size\_Code] = (SELECT

[StyleSize]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Grade\_Code] = (SELECT

[Grade\_Code]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

AND [Grower\_Number] = (SELECT

[Grower\_Number]

FROM [#QC\_Temp]

WHERE [RowNumber] = @RowNum

)

--Verify not already QC'd

AND NOT (

(Exporter + [Pallet\_Prefix] + [Variety\_Code]

+ [Label\_Code] + [Variety\_Code] + [Style\_Code] + [Size\_Code]

+ [Grade\_Code] + [Grower\_Number] + CAST([Receipt\_Number] AS VARCHAR(50))) IN (SELECT

(Exporter + [Pallet\_Prefix] + [Variety\_Code]

+ [Label\_Code] + [Variety\_Code] + [Style\_Code] + [Size\_Code]

+ [Grade\_Code] + [Grower\_Number] + CAST([Receipt\_Number] AS VARCHAR(50)))

FROM [QC\_Archive]

)

)--Should not have this combination

ORDER BY QC\_Key

SET @RowNum = @RowNum + 1

END

--Update memo field in archive table for Pallets to QC

Update [FAPI\_Import\_Data\_Archive]

SET Memo = (Select [Memo] FROM QC\_Archive

WHERE Pallet\_Number =

FAPI\_Import\_Data\_Archive.Pallet\_Number)

END