Marshalls Stone

POD DMS Export Images

CALIDUS ePOD

16th August 2017 - 1.0
Reference: FS 343616 SCR-ADD-1

Contents

1 Functional Description

💡 **Note:** The nature of this change is very technical, in that it deals with back-end processing of exports and generic production of reports. As such, it is not expected that this can be explicitly reviewed and accepted. However, the overall result of this change is as described in the Solution Overview above.

1.1 Configurable POD/POC Report

The parameter EPOD_CONFIG_REPORT.ECR_EMAIL_IMAGES_IND will change from values 0 (disabled) and 1 (enabled) to the following values:

- 0 - not created
- 1 - Created - same file
- 2 - created - split file in export

The POD section of the report will be changed to be surrounded in comments as follows:

This will be achieved method PopulateReport, when the divContent.innerHtml is populated.

The Image section of the report will be changed to be surrounded in comments as follows:

This will be achieved in method generateImageData.

1.2 AutoExport

EPOD_SYS_EXPORT.ExportPOD will be changed to the call to EPOD_SYS_EMAIL.GetReportHTML, to add a parameter by reference for the configurable report format (EPOD_CONFIG_REPORT).

EPOD_SYS_EMAIL.GetReportHTML will be changed to get the configurable report format (if this is a configurable report) and set to this parameter. A new EPOD_CONFIG_REPORT DAL object will be created, passing in the configurable report ID from the Job Group, if this is a configurable report, for POD and POC types - service reports are not affected at this time. The parameter will be set to this object created, or null.

EPOD_SYS_EMAIL.GeneratePDFFromHTML will be changed to receive a new parameter (p_strOrient) indicating (P)ortrait or (L)andscape. If present, add following to the call to WkHTMLtoPDF:

```
(p_strOrient == PDFDocument.Orientation.Portrait ? "portrait" : "landscape") + " "
```

The same change above will be added to EPOD_SYS_EMAIL.GenerateImageFromHTML

Ready for **What's Next, Now**™

EPOD_SYS_EXPORT.EmailPOD will be changed to add an EPOD_CONFIG_REPORT parameter to call of GetReportHTML.

EPOD_SYS_EXPORT.ExportPOD will be modified to add an EPOD_CONFIG_REPORT parameter to call of GetReportHTML.

After the call of this, if the Report Format is Configurable (i.e. EPOD_CONFIG_REPORT as a valid DAL object and has a value) and Images are included in this generation (ECR_EMAIL_INC_IMAGES_IND > 0) and they are to be split (ECR_EMAIL_IMAGES_IND == 2):

- Save the ReportHTML into a new variable (ImageHTML)
- In ReportHTML, remove images by replacing with a pattern match through the comments added above.
- In ImageHTML, remove POD by replacing with pattern match through comments added above.
- Call EPOD_SYS_EMAIL.GeneratePDFFromHTML on ReportHTML as normal, adding the parameter for orientation, defaulting to "P" if not present. Store as object PDF.
- Call EPOD_SYS_EMAIL.GeneratePDFFromHTML a second time for imageHTML if present. Store as object ImagesPDF.
- For each PDF object generated, call SendFile to export the file through the parameters specified. Note that the images file must have "_images" appended to the filename, by appending this to the value of EPOD_XF_CONFIG.EPL_FILENAME before calling SendFile for the Images PDF. For example, in this configuration, a job with code "1234567890" with images will be generated as "POD_1234567890.pdf" for the POD and "POD_1234567890_images.pdf" for the images file.

💡 **Note:** The comment pattern match will be as follows:

```
\<\!--\sPOD\sSTART.*POD\sEND\s--\> - for POD
\<\!--\sIMAGES\sSTART.*IMAGES\sEND\s--\> - for IMAGES
```

Ready for **What's Next, Now**™

2 Appendix A: TEST PLAN

Test Script / Scenario Reference	*POD DMS Export Images*	Call Number(s): 343616 SCR-ADD-1
Test Script / Scenario Description	*Testing the export to POD can split images.*	**PASS / ISSUES / FAIL**
Menu Access	*Administration/Auto-Export*	
Pre-requisites	*A system configured as Marshalls.*	**Tested By:**
Test Objective	*To test: Auto-Export may export POD and image files separately.*	**Date:**

Step	Action	Result	Remarks	P/F
1	**Export Tests**			
	For these tests: • *Set one configurable report format to split images (Marshalls) and one to not (Premier Mortars). Ensure both are including images.* • *Set another configurable report format to not email images.* • *Set another configurable report format to not have images at all.* • *Set these against 4 different job groups.* • *Configure site to auto-email on completion of jobs.* • *Configure site to have a POD export of type FILE to a known and accessible file system and POD2 export of type FTP. Set up an FTP site for this.*			

Ready for **What's Next, Now**™

	Note: Ensure all jobs are using a known OBS email address and all other jobs awaiting export are marked as complete before running the auto-export process. Complete 4 jobs for the 4 job groups, one for each report type. Ensure images are taken (Job Photo will be sufficient).		
1.01	Check Export email from AutoExport.	All jobs should have a report emailed to the email address against the jobs and the site email address. Every email should have a single attachment. Photos will not be present in the job configured to not have images at all, and the job to not have email images.	
1.02	Check Export to POD in FILE system	The Job with the report configured for Split images should have two files, one named POD_(EPL_JOB_CODE).pdf containing just the POD, and one named POD_(EPL_JOB_CODE)_Images.pdf containing just the images. The Job with the report configured to not split images should have one file named POD_(EPL_JOB_CODE).pdf containing the POD and the images. The Job with the report configured to not display images should have one file named POD_(EPL_JOB_CODE).pdf containing just the POD. All files should be in the File folder.	
1.03	Check Export to POD in FTP server	The Job with the report configured for Split images should have two files, one named POD_(EPL_JOB_CODE).pdf containing just	

Ready for **What's Next, Now**™

		the POD, and one named POD_(EPL_JOB_CODE)_Images.pdf containing just the images. The Job with the report configured to not split images should have one file named POD_(EPL_JOB_CODE).pdf containing the POD and the images. The Job with the report configured to not display images should have one file named POD_(EPL_JOB_CODE).pdf containing just the POD. All files should be in the FTP folder.		
1.04	Run the report from Admin and click the Send email button from the produced report	All jobs should have a report emailed to the email address entered. Every email should have a single attachment. Photos will not be present in the job configured to not have images at all, and the job to not have email images.		

Ready for **What's Next, Now**™

3 Appendix B: Quote & Document References

Cost Details				
Activity	**Estimate No. of Days**	**No. of Days**	**Rate per Day (?)**	**Cost (? Exc. VAT)**
Requirements	0.00	0.00	750	?0.00
Change Request Evaluation	0.00	0.00	750	?0.00
Functional Specification	0.75	0.75	750	?562.50
Technical Specification	0.00	0.00	750	?0.00
Development	2.25	2.25	750	?1,687.50
Testing and Release	0.50	0.50	750	?375.00
Implementation	0.25	0.25	750	?187.50
Project Management	0.25	0.25	750	?187.50
TOTAL	**4.00**	**4.00**		**?3,000.00**

Estimate excludes training, release to live and go live support.

B.1 References

Ref No	Document Title & ID	Version	Date
1	EST 343616 POD DMS Export Images	0.1	15/08/2017

B.2 Glossary

Term	Definition
EPOD	Electronic Proof of Delivery. The OBS EPOD system is *CALIDUS* ePOD.
CALIDUS eSERV	The OBS mobile system to complete Service functionality in the field. This is part of the *CALIDUS* ePOD system.
PDA	The mobile device on which the C-ePOD system will run in the field. This can be a Phone, EDA or industrial PDA, running Android.
DAL	Data Access Layer. A mechanism for accessing data by the system that is removed from the application, allowing for simplified access and providing protection to the data, as only approved DAL methods can be used to modify it.
GPS	Global Positioning System. A mechanism of retrieving accurate positioning information in the form of Latitude and Longitude (Lat-Long) co-ordinates from a device.
GPRS, 3G, HSDPA, Data Service	All terms referring to mobile device network connectivity, and the speed at which the device connects to the internet.

B.3 Authorised By

Matt Turner   OBSL Account Manager   _____

Simon Martin   Customer Representative   _____

_____

Ready for **What's Next, Now**™

Debbie Linley   Customer Representative

Ready for **What's Next, Now**™