# RAMCO AVIATION SOLUTION Reliability Reports Tool Installation Manual

Release 5.8

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### **Reliability Analysis – (BASRA)**

### 1. Objective

Generation of Reliability Reports by Reliability Report generation tools

### 2. Pre-requisites

- Schedule report path should be given write share in the report server.
  - Open DwAppSettings.xml from the below path.
     D:\Ramco Decision Works
     \DW\DW\_REFACTOR\com\ramco\dw\ApplicationXML\Property
  - In DwAppSettings.xml file find the following key
    <add key="ScheduleReportPath" value="\\SERVERNAME OR SERVER IP\Scheduled Reports"</p>
    />

Note: The report server's public IP to be mentioned.

In value path we have give the value as "\\172.26.7.214\Scheduled Reports" <u>Example:</u>

<add key="ScheduleReportPath" value="\\bavnwasnmv03\ScheduledReports" />

This path should be as share path.

*Note: The report server's public IP to be mentioned.* 

### Document attach web service dll for file upload

Below two dll's attached to ReliabilityFileUpload Tool. While installation it will automatically added to installed folder. We have to make sure the latest dll is attached to tool

AVN.DocAth.Helper.dll

AvnDocAttachServiceProxy.dll

### 3. Process Flow Overview

### ReliabilityReportGen Tool:

Tool will Read data from view ("BASRA\_REPORTNAME\_VW1") and build the formatted string with data and send the request to DW web service with formatted string for report generation. Web service will out the batch id for the request and back update the Batch id, status to "IP" (Inprogress) from "UP" (Under Processing) in Table "BASRA\_RRSD\_Reliability\_Reports\_Dtl" for the requested reports.

### ReliabilityFileUpload Tool:

This tool will read data from view ("BASRA\_REPORTNAME\_FTP\_VW") and build formatted string with data and send request to DW service with that string

Web service will out the status of report generation (success or failure) and generated file path of report for File upload to Document attached specified folder. it will back update the status as "G" generated in Table ("BASRA\_RRSD\_Reliability\_Reports\_Dtl") and generated report file name. "

Once all mapped reports generated for specified fleet, it will update status as "G" (Generated) in table "BASRA\_RRSH\_Reliability\_Reports\_Hdr".

### 4. Steps to Install "ReliabilityReportGen" Tool

Please extract the folders "ReliabilityReportGen.zip" & "ReliabilityFileUpload.zip" file in local drive in the path (E.g.:- D:\)in the Report server or Web server.

"..\ReliabilityReportGen\setup.exe"

"..\ReliabilityFileUpload\setup.exe"

Create two folder's in local drive one for each tool

### Example:

D:\ReliabilityReportGen\ D: \ReliabilityFileUpload\

### Installation steps for Reliability Report Generation Tool:

**Steps:** Run the setup.exe file

# Welcome to the ReliabilityReportGen Setup Wizard The installer will guide you through the steps required to install ReliabilityReportGen on your computer. WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law. Cancel < Back</td>

### Select "Next" to start the installation

ReliabilityReportGen
Select Installation Folder
The installer will install ReliabilityReportGen to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click. "Browse".
Eolder: C:\Program Files (x86)\Default Company Name\ReliabilityReportGen\ Browse Disk: Cost
Cancel < Back Next >

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By Default installer will choose the above path (as shown in screen shot). If we want we can choose different path Example:

D:\ReliabilityReportGen\ Or E:\ReliabilityReportGen\

Select "Next" to confirm the Installation

📸 ReliabilityReportGen	
Installing ReliabilityReportGen	
ReliabilityReportGen is being installed.	
Please wait	
Cancel < Back	Next >

Installation started.



Installation completed for Reliability Report Gen Tool.

### 5. Steps to Install "ReliabilityFileUpload" Tool

### Installation Steps:

Run the setup.exe file

ReliabilityFileupload
Welcome to the ReliabilityFileupload Setup Wizard
The installer will guide you through the steps required to install ReliabilityFileupload on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >

Select "Next" to start the installation

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😸 ReliabilityFileupload	
Select Installation Folder	
The installer will install ReliabilityFileupload to the following folder.	
To install in this folder, click "Next". To install to a different folder, enter it belo	ow or click "Browse".
Eolder: C:\Program Files (x86)\Default Company Name\ReliabilityFileupload\	Browse Disk Cost
Cancel < Back	Next >

By Default installer will choose the above path (as shown in screen shot). If we want we can choose different path

Example:

D:\ReliabilityFileUpload\ Or E:\ ReliabilityFileUpload \ Select "Next" to confirm the Installation

😸 ReliabilityFileupload	
Installing ReliabilityFileupload	
ReliabilityFileupload is being installed.	
Please wait	
Cancel	< Back Next >

Installation started

🖞 ReliabilityFileupload
Installation Complete
ReliabilityFileupload has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel < Back Close

Installation completed for Reliability File Upload Tool.

### 6. ReliabilityReportGen Tool configuration Settings

In **ReliabilityReportGen Tool Folder**, we have to change "Reliability\_Tool.exe.config" config file.

"Reliability\_Tool.exe.config" file located in following folder structure

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Example: "D:\ReliabilityReportGen\Reliability\_Tool.exe.config"

In Reliability\_Tool.exe config we have to change the following settings.

• In appsetting section we have to change the values for key "LogFilePath"

**Report Log File Path** – In the value field we have to change the path, for report status & Error Log. The path is like

<!--Report Log File Path--> <add key="LogFilePath" value=" D:\ReliabilityReportGen\Log\"/>

• Please provide the connection string details of "Application server(RM Layer)":

### <Server Name>, < Database Name>, <User Name>, <Password>

Please provide the connection string details:

Example: <connectionStrings>
 <add name="Reliability\_Connection"
 connectionString="server=RMSERVERNAME;database=avnappdb;uid=sa;pwd=PASSWORD" />
 </connectionStrings>

 In ApplicationSettings Section inside we have to change the server Name. Server Name is Report Server(App Layer) where DW report is Installed. Eg: <value><u>http://<ServerName>/reimsweb/Infrastructure/InfrastructureServices/DwBulkReportGen</u> erationService.asmx </value>

### 7. ReliabilityFileUpload Tool Configuration Settings

In **ReliabilityFileUpload Folder**, we have to change "TRANSFER\_FTP\_PATH.exe.config" config file.

"TRANSFER\_FTP\_PATH.exe.config" config file located in following folder structure

Example: "D:\ReliabilityFileUpload\TRANSFER\_FTP\_PATH.exe.config"

In TRANSFER\_FTP\_PATH.exe.config config we have to change the following settings.

 Report Log File Path – In the value field we have to change the path, for report status & Error Log. The path is

### <!--Report Log File Path--> <add key="LogFilePath" value=" D:\ReliabilityFileUpload\Log\""/>

- Please provide the connection string details of "Report server (RM Layer)":
   <Server Name>, < Database Name>, <User Name>, <Password>.
- In **ApplicationSettings** Section inside we have to change the server Name. Server Name is Report Server (App Layer), where DW report is Installed.

### Example:

<Value><u>http://<ServerName>/reimsweb/Infrastructure/InfrastructureServices/DwBulkReportGe</u> <u>nerationService.asmx</u> </Value>

### 8. Steps to configure Reliability\_Tool.exe in windows scheduler

• In task scheduler we have to add this exe to execute the tool.

### Steps to add the exe file in windows scheduler:

Give the scheduler name details in tab 1 (General)

🕒 Create Task	
General Trigg	gers Actions Conditions Settings
Name:	ReliabilityReportGen
Location:	Λ
Author:	RSIEXDOM\8540
Description:	ReliabilityReportGen
- Security opt When runni	ions
RSIEXDOM	8540 Change User
Run only	when user is logged on
Run whe	ther user is logged on or not
🔽 Do n	ot store password. The task will only have access to local computer resources.
🔲 Run with	highest privileges
🔲 Hidden	Configure for: Windows Vista™, Windows Server™ 2008
	OK Cancel

Tab 1: As highlighted in the first "General" Tab,

- i. Provide "Name"
- ii. Select the option "Run whether user is logged on or not"
- iii. Check the option "Do not store password. The Task will only have access to local computer resources"

Tab 2: Go to second tab 'Triggers', add the scheduler triggering details. Configure the scheduler for every 30 minutes.

Edit Trigger	
Begin the task: O	n a schedule 🔻
One time	Start: 11/24/2016 🗐 🛪 4:16:13 PM 🚔 🔲 Synchronize across time zones
<ul> <li>Daily</li> <li>Weekly</li> <li>Monthly</li> </ul>	Recur every: 1 days
Monthly	
Advanced settings	•
Delay task for	up to (random delay): 1 hour 👻
📝 Repeat task ev	very: 30 minutes   for a duration of: Indefinitely
Stop all	running tasks at end of repetition duration
Stop task if it r	runs longer than: 3 days 👻
Expire: 11/24	/2017 🗐 🔻 4:18:47 PM 🔄 Synchronize across time zones
🔽 Enabled	
	OK Cancel

In the Advanced settings check the "Repeat task every", select 30 minutes and "for a duration of" as "Indefinitely"

Tab 3: Go to tab 3 'Action' and give the reliabilityReportgen tool path up to the application in program/script.

New Action	×
You must specify what action this task will perform.	
Action: Start a program	•
Settings	
Program/script:	
D:\ReliabilityRptGen\Reliability_Tool.exe	Browse
Add arguments (optional):	
Start in (optional):	
NO NO	Cancel

🕒 Create Task	X
General Triggers Actions Conditions Settings	
Specify the conditions that, along with the trigger, deter run if any condition specified here is not true.	ermine whether the task should run. The task will not
Start the task only if the computer is idle for:	10 minutes 👻
Wait for idle for:	1 hour 👻
☑ Stop if the computer ceases to be idle	
Restart if the idle state resumes	
Power Start the task only if the computer is on AC power Stop if the computer switches to battery power	
Wake the computer to run this task	
Network	ilable:
Any connection	▼
	OK Cancel

Tab 4: As highlighted in the "Conditions" tab, uncheck "Start the task only if the computer is on AC power"

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Tab 5: As highlighted in above screenshot, complete the "Settings" tab which ends the completion of Task Scheduler for Reliability

### 9. Steps to configure TRANSFER\_FTP\_PATH.exe in windows scheduler

- Similar to the process done for ReliabiltyReportGen tool, we have to do scheduler for Transfer FTP also.
- In task scheduler we have to add exe file to execute the tool

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_	gers Actions Conditions Settings
Name:	ReliabilityFileUpload
Location:	N Contraction of the second se
Author:	RSIEXDOM\8540
Description:	ReliabilityFileUpload
- Security on	tions
When runn	ning the task, use the following user account:
RSIEXDOM	\\8540 Change User
Run only	y when user is logged on
Run who	ether user is logged on or not
🔽 Dor	not store password. The task will only have access to local computer resources.
	h highest privileges
🔲 Run wit	

New Action	×
You must specify what action this ta	k will perform.
Action: Start a program	▼
Settings	
Program/script:	
D:\ReliabilityFileUpload\TRANSFE	FTP_PATH.exe Browse
Add arguments (optional):	
Start in (optional):	
	OK Cancel

### 10. Tool testing and troubleshooting guidelines

### Error log table:

BASRA\_ERROR\_LOG\_TABLE

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