**WF 2037 WAC RunDown with Windows 10 Support**

**Workflow Name:** WAC RunDown with Windows 10 Support

**Datastore:** CorePlaceHolder

**Owner:** karee

This test creates results for Video, Connected Standby and Idle. At this time it does not generate results Audio. Accessory executables are detailed at the end of this document.

**Parameter Recommended value**

ADK\_WAC\_SOURCE \\server\TestCollateral\ADK\ADK\_WAC\_RUNDOWN\_TESTS\<WAC\_XXXX>

FullorQuick full

HWCollection <Folder name from [\\server\](file:///\\server\)>

InstallDotNet35 no, unless not already installed

Run CS for ARM no, unless testing arm

TestPass <device type>\_<test pass>\_<date> ie, ATH\_AprWU\_4-20-2016

**Required Machine Dimension**

acdctoggler\server Specifies ip and port number for APC PDU

**Workflow 2037 Breakdown**

**31941** Setup - Install .Net 3.5 Package (optional set by parameter InstallDotNet35)

**3537400 WAC CS RD - RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results (optional set by parameter Run CS for ARM)**

Copy of 107511 that exposes source directory parameter from task 107319

The assessments:

Local CS (Battery run down test - requires WTT machine dimension acdctoggler\server set for APC IP Power for the IP and Port)

Additional Details:

Limited schedule-time data input: The only required info is the location to copy results.

Automation handles keeping WTT in a good state through different reboot scenarios without disabling WTT, so jobs can be canceled if needed

Automation will run assessments on systems that meet the job requirements, meaning this job can be bulk scheduled across all machine types and the right thing will happen (e.g. Battery testing will be skipped on a desktop system)

Assessment results parsing to log a simple PASS or FAIL (and related failure codes) for simple results summarizing

**3537399** - ADK Utility Job - Execute a Packaged Assessment and Copy Results

**See Setup Phase**

**See Regular Phase**

**See Cleanup Phase**

**3537401 WAC Video RD Quick - RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results**

Copy of 107460 that exposes source directory for 107319

The assessments:

Local Video Playback Quick (Battery run down test - requires WTT machine dimension acdctoggler\server set for APC IP Power for the IP and Port)

Additional Details:

Limited schedule-time data input: The only required info is the location to copy results.

Automation handles keeping WTT in a good state through different reboot scenarios without disabling WTT, so jobs can be canceled if needed

Automation will run assessments on systems that meet the job requirements, meaning this job can be bulk scheduled across all machine types and the right thing will happen (e.g. Battery testing will be skipped on a desktop system)

Assessment results parsing to log a simple PASS or FAIL (and related failure codes) for simple results summarizing

**3537399** RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results

**See Setup Phase**

**See Regular Phase**

**See Cleanup Phase**

**3537418 WAC CS RD - RunJob - ADK Utility Job – NYX**

Copy of 107460 that exposes source directory for 107319

The assessments:

Local CS (Battery run down test - requires WTT machine dimension acdctoggler\server set for APC IP Power for the IP and Port)Additional Details:

Limited schedule-time data input: The only required info is the location to copy results.

Automation handles keeping WTT in a good state through different reboot scenarios without disabling WTT, so jobs can be canceled if needed

Automation will run assessments on systems that meet the job requirements, meaning this job can be bulk scheduled across all machine types and the right thing will happen (e.g. Battery testing will be skipped on a desktop system)

Assessment results parsing to log a simple PASS or FAIL (and related failure codes) for simple results summarizing

**3537399** RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results

**See Setup Phase**

**See Regular Phase**

**See Cleanup Phase**

**3537417 WAC Idle RD Quick - RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results**

Copy of 107460 that exposes source directory for 107319

The assessments:

Local CS (Battery run down test - requires WTT machine dimension acdctoggler\server set for APC IP Power for the IP and Port)Additional Details:

Limited schedule-time data input: The only required info is the location to copy results.

Automation handles keeping WTT in a good state through different reboot scenarios without disabling WTT, so jobs can be canceled if needed

Automation will run assessments on systems that meet the job requirements, meaning this job can be bulk scheduled across all machine types and the right thing will happen (e.g. Battery testing will be skipped on a desktop system)

Assessment results parsing to log a simple PASS or FAIL (and related failure codes) for simple results summarizing

**3537399** RunJob - ADK Utility Job - Execute a Packaged Assessment and Copy Results

**See Setup Phase**

**See Regular Phase**

**See Cleanup Phase**

# Setup Phase

3327290 [SETUP LIBRARY] Add LLU\_PLE

4965425 [SETUP LIBRARY] Add LLU\_NAO

3266903 Enable .NET on ARM

3266901 SITLab - Add exclusion test paths for WOA

3266900 SITLab - Restart Lib Job

Remove assessment bin if it exists - if /I exist [ASMT\_BIN] (rd /s /q [ASMT\_BIN])

Make assessment bin - md [ASMT\_BIN]\[ASMT\_NAME]

Copy Assessment package and test binaries to local machine

[ADK\_WAC\_SOURCE]\[ASMT\_NAME] 🡪 [ASMT\_BIN]\[ASMT\_NAME]

[ASMT\_SOURCE]\Scripts 🡪 [ASMT\_BIN]\[ASMT\_NAME]

[ASMT\_SOURCE]\ENERGY\APC\[WTT\Processor] 🡪 [ASMT\_BIN]\[ASMT\_NAME]\APC

[ASMT\_SOURCE]\ENERGY\APC\Scripts 🡪 [ASMT\_BIN]\[ASMT\_NAME]

[ASMT\_SOURCE]\Scripts\CaptureSurfaceDeviceSessionInfo 🡪 [Systemdrive]\tests\CaptureSurfaceDeviceSessionInfo

Echo IP into OFF cmd\_simple - [ASMT\_BIN]\[ASMT\_NAME]\APC\PowerStripTool.exe [acdctoggler\server] off

Echo IP into ON cmd\_simple - [ASMT\_BIN]\[ASMT\_NAME]\APC\PowerStripTool.exe [acdctoggler\server] on

Create Off.cmd - [ASMT\_BIN]\[ASMT\_NAME]\IPCmd\_off.cmd .\apc\PowerStripTool.exe [acdctoggler\server]

Create On.cmd - [ASMT\_BIN]\[ASMT\_NAME]\IPCmd\_on.cmd .\apc\PowerStripTool.exe [acdctoggler\server]

Test Off.cmd - [ASMT\_BIN]\[ASMT\_NAME]\off.cmd

Test On.cmd - [ASMT\_BIN]\[ASMT\_NAME]\on.cmd

Create Restartable task CMD - echo powershell set-executionpolicy remotesigned;%cd%\CheckRunning.ps1 "[ASMT\_BIN]\[ASMT\_NAME]" "[RESULTS\_SRV]\[RESULTS\_DIR]" exit $LASTEXITCODE >> restartabletask.cmd

Run KeepAlive - PowerShell -File .\Start-KeepAlive.ps1 -testRunning [ASMT\_NAME] -Sleeptime 10

Insert Random Delay - RandomDelay.exe

# Regular Phase

Run restartabletask.cmd - restartabletask.cmd

3266900 RunJob - SITLab - Restart Lib Job (Before results copy) – Reboots machine

PowerCFG and Version Report - powercfgAll.cmd

Get Upload Script - echo StartRemoteApp.exe "C:\InsightsDeploy\Db\ResultsUtil.exe /i /b C:\WTTresults /p [ProjectName] /t [TestPass] /rt [RunTag]" "WDSADKPLE" "[PLE\_domain]\[PLE\_user]" "[PLE\_password]" >> testPassInfo.txt

Insert Random Delay and Wait Until Empty - RandomDelay.exe

Copy results to ADKRundown - if /I exist [ASMT\_BIN]\[ASMT\_NAME]\results (xcopy [ASMT\_BIN]\[ASMT\_NAME]\results [ResultsServerSaver]\[RESULTS\_DIR] /cherkyi)

Copy RunLogs to ADKRundown - xcopy [ASMT\_BIN]\[ASMT\_NAME]\RunLogs\\*.\* [ResultsServerSaver]\[RESULTS\_DIR]\RunLogs /cherkyi

Check Assessment Result for NA or PASS - if exist [ASMT\_BIN]\[ASMT\_NAME]\results\FAIL.txt exit /b 12345

Wait Until Empty - PowerShell -File .\waitUntilEmpty.ps1

Copy results to results server - if /I exist [ASMT\_BIN]\[ASMT\_NAME]\results (xcopy [ASMT\_BIN]\[ASMT\_NAME]\results [ResultsServer] /cherkyi)

3266902 RunJob - Upload to Insights (for Auto)

Remove old test results from Insights server - net use w: [ResultsServer] /user:[PLE\_Domain]\[PLE\_User] "[PLE\_Password]" & rd w: /s /q & net use /delete w:

# Cleanup Phase

Capture Surface Info - CaptureSurfaceDeviceInfo.cmd

# Accessory Scripts and Executables

waitUntilEmpty.ps1

CheckRunning.ps1

CheckRunning.ps1 is a primary script that runs several validations prior to starting the test as well as controlling the APC power strip during the test. \\server\TestCollateral\ADK\SCRIPTS

Calls:

powercfg.exe

axe.exe

KeepAlive.exe

PowerStripTool.exe

StartRemoteApp.exe

RandomDelay.exe

restartabletask.cmd

RunCMD.cmd

on.cmd

Off.cmd

job.xml

Functions:

function screenshot([Drawing.Rectangle]$bounds, $path)

function Prereq-Check()

function Check-SystemReqs()

function Log-TestStart()

function Log-Txt($txtToLog)

function Check-AsmtString([string]$stringToCheck)

function Check-Arch()

function Check-AsmtVersion()

function Check-Hibernate()

function Check-CS()

function Check-Battery()

function Check-Upgrade()

function Prep-Machine()

function EnableWTTReboot()

function CancelWTTReboot()

function Create-RunCMD()

function Prep-AsmtJobFile()

function Backup-JobFile($pathToFile)

function Load-JobFile($pathToFile)

function Update-File([string[]]$file, [string]$pathToFile, [string]$stringToFind, [string]$stringToReplace)

function Save-File($file, $pathToFile)

function Confirm-Testable()

function Run-Asmt([string]$asmtPath)

function Save-StatusFile($asmtStatusFile)

function Check-AsmtRun($asmtStatusFile)

function Monitor-Asmt()

function Copy-Files($source, $destination)

function Cleanup-Run()

function Copy-ResultToTemp()

function Check-AsmtResults()

function Copy-RunLogs()