MTE Software Developer Guide

# Station Configuration

When the application is launched, it determines its working directory and sets up paths to the following folders:

Config

Report

Log

# TE Config

## Working Folder

When Test Exec launches it reads the Local Config file to determine where the working directory is located. This file is in the Config folder that is in the same folder where the Test Executive.exe it located:

C:\Program Files (x86)\Valve\Test Executive\Test Executive.exe

C:\Program Files (x86)\Valve\Test Executive\Config\Local Config.ini

The contents of this file are:

[Dir]

WorkingDir = "C:\MTE"

## Test Executive Identity Info

The TE will assume the identity of the test station it is deployed on. It gets this info from the file:

C:\MTE\Test Executive\Test Executive Config.ini

[Station]

StationName = "Circle Test"

StationIPPort = 8500

StationExePath = "C:\Program Files (x86)\Valve\Circle Test\Circle Test.exe"

The Test Executive will put the StationName as the title on its front panel.

The Test Executive will use the StationName to locate the working directory for the local test station:

C:\MTE\ StationName\

The Test Executive will launch the test station application at the path of StationExePath.

The Test Executive will connect to the station application using TCP-IP and the port StationIPPort.

## Released SW

When the TE launched or is reset it will read the Released\_SW section of the station config file.

Example Released\_SW section contents:

[Released\_SW]

ReleasedSWCheckEnable = TRUE

ReleasedSWCheckInterval\_s = 3600

ConfigFolder = "C:\MTE\Facility\Circle Test\Config"

SequenceFolder = "C:\MTE\Facility\Circle Test\Sequences"

ReleasedSWFile = "C:\MTE\Facility\Circle Test\SW\Releases SW Config.ini"

If ReleasedSWCheckEnable = TRUE, the TE will perform the SW checks and actions below. If it is set to FALSE, these checks will be skipped.

The TE maintains the time the last SW check was performed. When the TE is idle, it performs a check once a minute to see if it is time for another SW check.

* It subtracts the last SW check time from the current time and compares it to the ReleasedSWCheckInterval\_s interval.

When the ReleasedSWCheckInterval\_s interval has elapsed, the TE will:

1. Copy the Config folder specified by ConfigFolder to the current station working directory:

C:\MTE\StationName\

Any files will be over written (with the latest released config and test limit files).

Any files put in the config folder when the station was setup and are not part of the released files will not be disturbed.

1. Copy the Sequences folder specified by SequenceFolder to the current station working directory:

C:\MTE\StationName\

Any files will be over written (with the latest released sequence files).

Any files put in the sequence folder when the station was setup and are not part of the released files will not be disturbed.

1. Read the list of SW names and versions from the file specified by ReleasedSWFile.

The TE collects the name and version of each SW item used by the TE and the station application.

The ReleasedSWFile will contain a section named Released\_SW\_Versions. In this section will be a list of names and versions. The SW names contained in the INI file will have any spaces replaced with underscores. The TE will do the same to the SW names to get a correct match.

Example ReleasedSWFile content:

'List SW name and version info.

'Substitue an underscore ('\_') for any space in the SW name.

[Released\_SW\_Versions]

Test\_Executive = V1.0.0.1

Circle\_Test = V1.0.0.31

All SW names will be compared to the list of names in the ReleasedSWFile. If there is a match, the TE will compare the versions. If they are not the same, the TE will indicate a warning.

## Local Station Config

Local Station.ini

;This file provides configuration for the station.

;If this file does not exist the first time the application is launched it will be created.

; Parameters that need to be setup by the local terst engineer will be named UNDEFINED by default.

[ID]

Name = "Circle Test"

PN = "TBD"

SN= "001"

Rev = "-"

[Factory]

Location = "Solve1"

[Facility]

;The 2 items in this section point to the Facility identification and the Modes config files.

; Facility config - this is an ini file that dentifies the name and location of the facility

; Mode config - this is a JSON file that dentifies the modes and the options for each mode that are used at the factory.

FacilityConfig = "c:\MTE\Facility\Facility Config.ini"

FacilityModes = "c:\MTE\Facility\Modes.json"

[Station]

StationConfigFile = "c:\MTE\Facility\Station Config, Circle Test Solve1.ini"

## Facility Config

## Facility Station Config

X

X