ECMT2 Validation, Post-processing And Assessment

Description

The project does:

- Validation of ECMT2_A5.
- Post-processing of produced Excel files.
- Assessment of validation.

Getting Started

- Make sure you have **python 3.9.4** or later
- Please run "BeforeFirstRun.bat" file, so that the dependencies (except python), will be automatically installed.

Dependencies

Main languages:

- python [3.9.4]
- robotframework [3.2.2]

For the following pythonic libraries, no specific version is required (the latest version will be installed by "BeforeFirstRun.bat" file):

- openpyxl
- numpy
- paramiko
- statistics
- serial
- intelhex
- bincopy
- svn

The following libraries are related to robotframework:

- Collections
- String
- Dialogs

The following CROUSE libraries are not versioned, and they might cause trouble! Always consult with CGT team.

- CGT_Connect.py
- BSP_KeywordLib.py
- CAN_KeywordLib.py
- EXL_KeywordLib.py
- ECMTGeneralKeywords.robot

Written by **ECLIPSE [Committers 2021-06]** with the following plug-ins:

- RED 0.9.5
- PyDev 9.1.0
- Subclipse 4.3.3
- TM Terminal 10.3
- Batch Editor 1.2.0
- FluentMark 1.6.4
- SonarLint 7.0

Installing

- [Project's SVN address](#)
- Please add an empty new-folder naming "TestReports" in the projects direction.
- Open the batch file, naming "ECMT2_A5_Validation.cmd". In the second line, after the second backslash, correct the file directory name.

Executing program

- Close any unused or unrelated programs or files.
- Close Excel documents.
- After editing the "ECMT2_A5_Validation.cmd" file, as it is mentioned in the previous section, run it.
- The program is set to create one 100 kilo Excel files, with 1000 rows of data.
- The Excel files are processed in the end.
- Should you want to stop the process, do as following:
  - Turn the expansion off.
  - Press "CTRL" + "C".
  - Press "CTRL" + "C" again.
  - Type "n" or "N" in the command prompt dialog box.
  - Wait for post-processing to end.
  - Your files are ready in "TestReports" folder in the directory.

Note 1: After running the "ECMT2_A5_Validation.cmd" file, all Excel files will be automatically closed!

Note 2: During the process, DO NOT touch or click (Command Prompt). If you do so, the excel file won't get saved!

Help

Please contact me via phone or email, if you are an ECU team member and still stuck after multitude of surges ;-)

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Authors

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Maintenance

This project is continuing to be maintaned by Omid Seyedian (Only for the respected ECU team)

Version History

- 1.2217
  - Stable version

License

Not Specified [CROUSE Confidential]

Acknowledgments

This project is written on ECLIPSE platform which is both free and open-source.