

Pre-test

Pretest needs to be a scenario type only and we cannot use scenario outline type for pretest.

e.g. Given the "average state of charge of high voltage battery" is "in between" "30 to 80" percentage.

Rules

"Given" followed by "And" to be used for defining the pretest.

Drive Cycle

Format

Given

And

And

Rules

"Given" followed by "And" to be used for defining the drive cycle.

Success Criteria

Guidelines and Rules : [Success criteria Definitions- Draft](#)

Format

Given the "average state of charge of high voltage battery" is "in between" "30 to 80" percentage

And

And

When

Then

Check where the keywords definitions checks are varying

Given keyword A is "value 1"

When Keyword B transits from "state 1 to state 2" and "<comparator>" "value 1" seconds

Then keyword A is "value 2"

And keyword C is "value 1"

And

Rules

1. No multiple "When" allowed
2. The same keyword is not allowed in "Given" and "When"
3. The duration used in "When" should be effective to all the "Then/s" should account for the slowest signal BUT if the signals needs to be checked at various rates (e.g. signal A is to be checked after 0.5 sec while signal B is to be checked after 1 sec then split the tests into multiple tests as in

[PETM-30259](#) - Feat-VoltSensing-Success Criteria PHEV **Cancelled** and

[PETM-34452](#) - Feat-VoltSensing-Success Criteria 3 **In Progress**)

Check where the keywords definitions checks are continuous

Given keyword A is "value 1"

When Keyword B is "value 1"

Then keyword C is "value 1"

Rules

1. The keyword does not repeat in the scenario/scenario outline
2. Shapes needs to be followed while developing **Mind maps using Lucid Chart Tool**



Precondition



Given



When



Then

Guidelines for Keyword

1. Does the keyword looks like something that already checks in the library?
2. Where is the keyword being used in the tests (Drive cycle or success criteria or both)?
3. how is the keyword used (Given, When, Then)?
4. Is there a trigger point that needs to happen when the check needs to occur? OR is it a continuous check?
5. Is the keyword associated with driver actions/test actions or is it the system response?
6. Is this keyword also used elsewhere and will it work for all?

7. What is the composition of that keyword?
8. How is the keyword derived? Is it referring to legacy test step description or is using the definition in the official documents?
9. Keyword list maintenance - update the keywords details during 3 amigos
10. Understand if the keyword is associated with driver actions or vehicle/system or environmental conditions
11. Check/validate with the consumers (verification group/feature system owners) if the keywords and scenarios makes sense
12. Full understanding and decomposition of keywords and how it looks, works, readable etc.

Mandatory: Move Xray test case from in-progress to under review

1. technical review needs to be completed.
2. Quality review should be completed.
3. All the keywords used in the test case development should be approved in 3-amigos session.

Golden Rules for Keyword Driven Testing

https://jlrglobal.sharepoint.com/sites/IntegrationTestingTestOpsChapters_GRP/SitePages/Golden-Rules-for-Keyword-Driven-Testing.aspx

[SPIKE - Gherkin - Keyword Architecture](#)