**System testing**

The HMI is tested to ensure the performance of the following functions:

- On/Off commands
- Simple EGL
- Touch Navi shortcut
- Touch Play
- Radio
- Home screen
- Power off
- Touch HVAC

**Test cases:**

<table>
<thead>
<tr>
<th>Test case</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMI Framework Test Case</td>
<td>This document shows what kinds of test was done for the following modules.</td>
</tr>
</tbody>
</table>

**Screen transition**

- Start Convenience manager and Sound manager, Show the Home screen.
- Issue on-command of Volume, or MIC, or Bluetooth device, or Home screen.

Expected next screen:

- MP, MP, NA,
- FL, FR, RL, RR
- Radio, NA,
- FL, FR, RL, RR

**Sound transition**

- Transition between basic sound and interrupt sound
- Transition between audio-off and basic sound

**Pre condition:**

- something event doesn't reached

**NG report:**

- NG1: When Navi shortcut was pushed, Simple EGL application is hunged. (seems impossible to make the pre-condition. This test was skipped.
- NG2: When Navi shortcut was pushed, Simple EGL application is hunged. (seems to be same issue)
- NG3: When Home screen shortcut was pushed, Home screen appeared but previous screen never appear.
- NG4: When Navi shortcut was pushed, Simple EGL application is hunged. (seems impossible to make the pre-condition. This test was skipped.

**Start testing:**

- After #1.1
- After #1.2
- After #1.3
- After #1.4
- After #1.5
- After #1.6
- After #2.1
- After #2.2
- After #2.3

**Note:** We will test for Radio in few days.

**Pre condition:**

- Sound transition

**NG report:**

- NG1: When Navi shortcut was pushed, Simple EGL application is hunged. (seems impossible to make the pre-condition. This test was skipped.
- NG2: When Navi shortcut was pushed, Simple EGL application is hunged. (seems to be same issue)
- NG3: When Home screen shortcut was pushed, Home screen appeared but previous screen never appear.
- NG4: When Navi shortcut was pushed, Simple EGL application is hunged. (seems impossible to make the pre-condition. This test was skipped.

**Start testing:**

- After #1.1
- After #1.2
- After #1.3
- After #1.4
- After #1.5
- After #1.6
- After #2.1
- After #2.2
- After #2.3

**Start window:**

- After boot-up, and the Home screen is shown.
- Some blue connected icon appear on Bluetooth status icon
- Any Bluetooth device have not paired yet. At that time, The connected status icon are used as test program. These samples based on CES2017, and changed for new advance.
- Replace layer.json file from official release to sprit test version.

**Do testing:**

- After boot-up, and the Home screen is shown.
- Laucn phone application in advance
- Paring with mobile phone has been completed.
- Laucn phone application in advance.

**Speech setting:**

- After boot-up, and the Home screen is shown.
- Laucn phone application in advance
- Paring with mobile phone has been completed.
- Laucn phone application in advance.

**Do testing:**

- After boot-up, and the Home screen is shown.
- Laucn phone application in advance
- Paring with mobile phone has been completed.
- Laucn phone application in advance.

**Result:**

- NG3: When Home screen shortcut was pushed, Home screen appeared but previous screen never appear.
- NG4: When Navi shortcut was pushed, Simple EGL application is hunged. (seems impossible to make the pre-condition. This test was skipped.