## ATOM VCU ASW Requirements CookBook

### 1. Scope

For all the system requirements, SW requirement comes from CTS.

### 2. Traceability

All the SW requirements must link to system requirement and system architecture which assigned to SW domain.

图示

描述已自动生成

#### 2.1 Traceability of Requirements

图示

描述已自动生成

#### 2.2 Traceability of Interfaces

图示

描述已自动生成

### 3. Attributes

Below mandatory attributes need to maintain.

“H\_ObjectContent”: should be “Requirement”.

“H\_ObjectStatus”: should follow project rule, defined in RE plan.

“H\_SW-Composition”: should be the module name.

“H\_Responsible-SW”: should be SW engineer name.

“H\_SW-Component”: should be the software element name.

“H\_ReleasePlan”: should follow release plan.

“H\_TestLevel”: should be “SW Test” or “SW Integration Test”.

“H\_Implement”: should be “yes” after module design implement. Should be “no” if the requirement was discarded.

“H\_ChangeRequestReference”: should be JIRA number and summary.

### 4. How To

## Step 1 Start:

Base on latest system requirement baseline to start SW requirement design activity.

## Step 2 Check:

Review SYS requirements refer to *chapter 1. Scope* for specific system(architecture) requirement Scope.

If there is any unclear point, connect SYS feature owner(system architect) to clarify.

If the functional SW requirement doesn’t detail enough, connect SYS architect to update.

If SYS requirement need to be changed, SYS feature owner(system architect) need to create JIRA to trace requirement change.( Record in “H\_ChangeRequestReference”)

## Step 3 Edit:

Write detail SW requirements in VCU\_SW\_Requirements\_Specification.xlsm.

1) Ctrl+↓ Automatically number

2) Ctrl+↑ Check the duplicate number, and the duplicate number is automatically marked in red

3) Ctrl+→ Insert a blank line below the currently selected cell

## Step 4 Attribute:

Maintain all mandatory attributes. Refer to *chapter 3. Attributes* .

## Step 5 Review:

Refer to C:\Onedrive\OneDrive - VTG Software LLC\WorkSpace\11\_VCU-B\15\_SW\50\_Docu\ ATOM\_VCU\_SWE.1\_Review\_Checklist