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| **User/Stakeholder Requirements**  **VCCS (MG BoK v2 Sample)** |
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Sommario

[1 Introduction 1](#_Toc110786522)

[1.1 Purpose 1](#_Toc110786523)

[1.2 Scope 1](#_Toc110786524)

[1.3 Overview 1](#_Toc110786525)

[2 1Problem Domain 2](#_Toc110786526)

[2.1 1 Black Box 2](#_Toc110786527)

[2.1.1 1 Stakeholder Needs 2](#_Toc110786528)

[2.1.2 2 System Context 3](#_Toc110786529)

[2.1.3 3 Use Cases 3](#_Toc110786530)

[2.1.4 4 Measures of Effectiveness 3](#_Toc110786531)

[2.2 3](#_Toc110786532)

[2.3 Measures of Effectiveness 4](#_Toc110786533)

[2.4 Provide Comfortable Temperature 4](#_Toc110786534)

[2.5 Scope for Type Selection 5](#_Toc110786535)

[2.6 Stakeholder Needs 6](#_Toc110786536)

[2.7 Subsystem Parameters for Total Energy Consumption for Cooling 6](#_Toc110786537)

[2.8 Use Cases of Vehicle In Use SC 6](#_Toc110786538)

[2.9 VCCS Configuration Energy Consumption 7](#_Toc110786539)

[2.10 Vehicle In Use 8](#_Toc110786540)

**Executive Summary**

User/Stakeholder Requirements

# Introduction

## Purpose

<This document provides requirements with their properties including requirement id, requirement name, requirement text and the dependencies.>

## Scope

<Provide a short description of the system being specified and its purpose, including relevant benefits, objectives, and goals.>

## Overview

<Describe what the document contains and explain how the document is organized>

# 1Problem Domain

## 1 Black Box

### 1 Stakeholder Needs

#### 1 Stakeholder Needs Metrics1

#### SN-1 Stakeholder Needs

##### SN-1.1 User Needs

###### SN-1.1.1 Sound Level

Climate control unit in max mode shall not be louder than engine.

###### SN-1.1.2 Manual Control

I should be able to start and stop climate control by myself.

###### SN-1.1.3 Heating & Cooling

The unit must be able to heat and cool.

###### SN-1.1.4 Energy Consumption

I'd like the unit to consume as little energy as possible.

###### SN-1.1.5 Ambient Temperature

I want to see the ambient temperature on the screen or some other output device.

###### SN-1.1.6 Desired Temperature

It should be a possibility to easily specify the desired temperature.

###### SN-1.1.7 Comfortable Temperature

I'd like to feel comfortable temperature while being in the cabin.

##### 

##### SN-1.2 Design Constraints

###### SN-1.2.1 Total Mass

Mass of the unit shall not exceed 2 percent of the total car mass.

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### 2 System Context

#### 1 Users & Other Systems

### 3 Use Cases

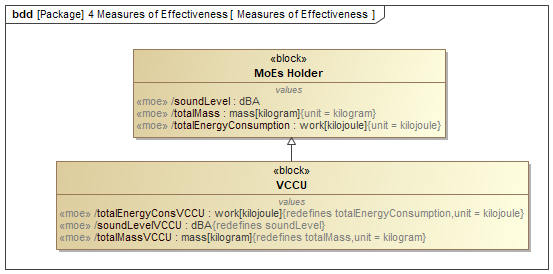
### 4 Measures of Effectiveness

## 

1. Index

## Measures of Effectiveness

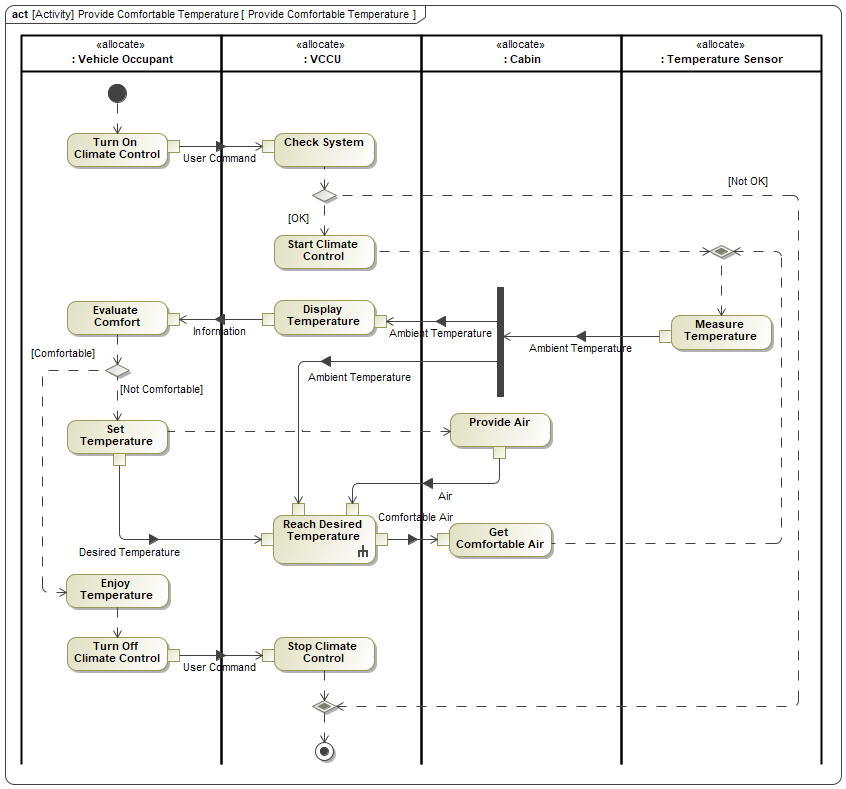
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1. Measures of Effectiveness

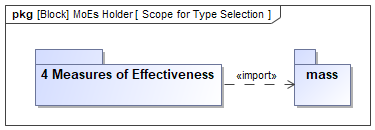
## Provide Comfortable Temperature

NA



## Scope for Type Selection

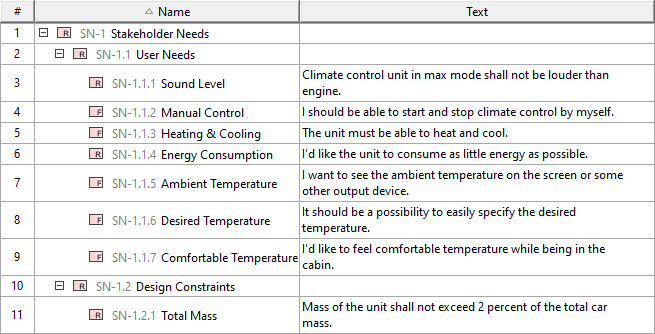
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1. Scope for Type Selection

## Stakeholder Needs

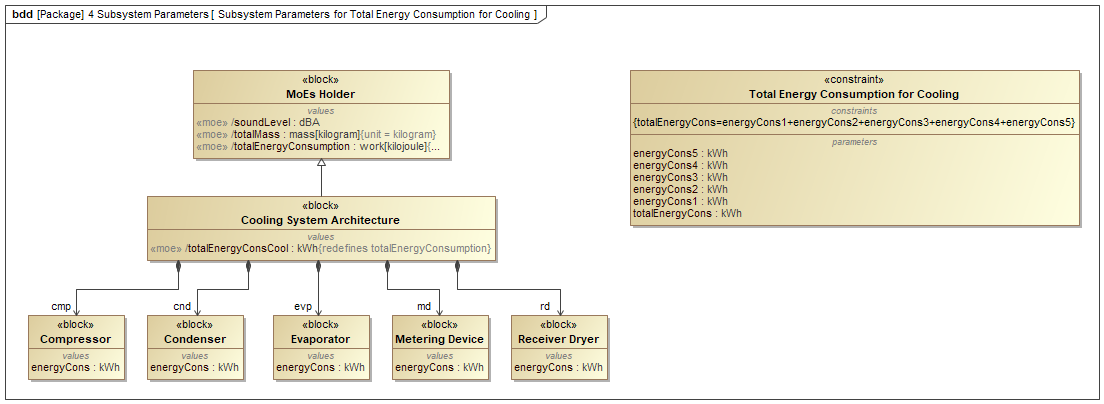
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1. Stakeholder Needs

## Subsystem Parameters for Total Energy Consumption for Cooling

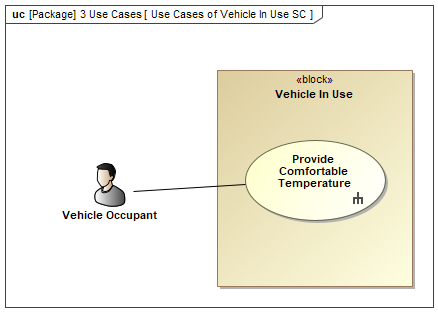
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1. Subsystem Parameters for Total Energy Consumption for Cooling

## Use Cases of Vehicle In Use SC

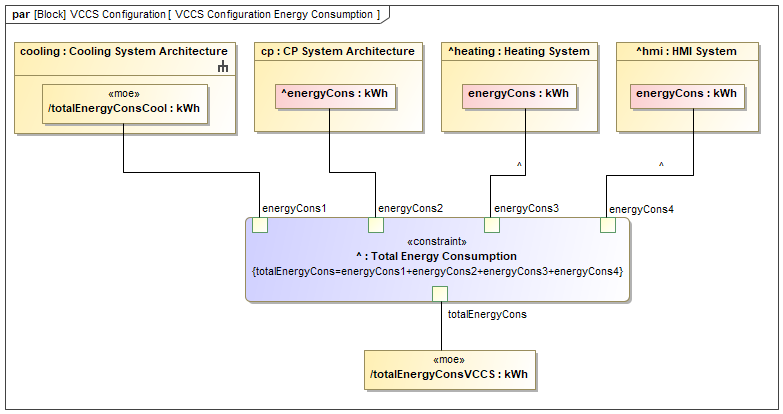
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1. Use Cases of Vehicle In Use SC

## VCCS Configuration Energy Consumption

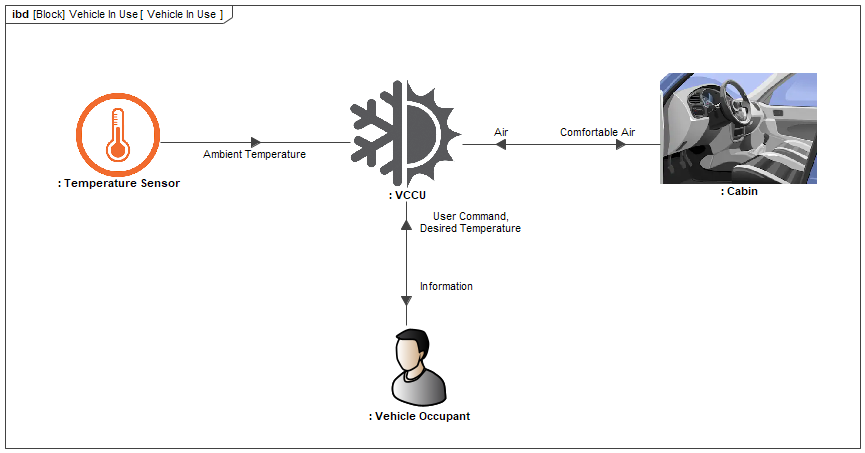
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1. VCCS Configuration Energy Consumption

## Vehicle In Use

NA



1. Vehicle In Use