Open Issues and/or Actions

No open issues

|  |  |
| --- | --- |
| **Open Issue** | **Issue description** |
| NA | NA |

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# Document Introduction

## Purpose

This document describes the requirements.

## Scope

This document describes the requirements for work completed for platform release 2017.5.0 for the BlueLib component. The BlueLib component was previously called ShineLib.

## References

| **Reference** | **Identification** | **Title / additional remarks** |
| --- | --- | --- |
| NA | NA | NA |

## Terminology & Abbreviations

| **Terminology & Abbreviations** | **Description/Definition** |
| --- | --- |
| BLE | From Wikipedia: **Bluetooth Low Energy** (**Bluetooth LE**, **BLE**, formerly marketed as **Bluetooth Smart**) is a [wireless personal area network](https://en.wikipedia.org/wiki/Wireless_personal_area_network) technology designed and marketed by the [Bluetooth Special Interest Group](https://en.wikipedia.org/wiki/Bluetooth_Special_Interest_Group) aimed at novel applications in the healthcare, fitness, beacons, security, and home entertainment industries. Compared to [Classic Bluetooth](https://en.wikipedia.org/wiki/Bluetooth), Bluetooth Low Energy is intended to provide considerably reduced power consumption and cost while maintaining a [similar communication range](https://en.wikipedia.org/wiki/Bluetooth_Low_Energy#Radio_interface). |

# Overview

The components in scope together provide a technical component for connecting with BLE peripherals.

# Requirements

## BlueLib

### Interface Requirements

### General Requirements

|  |  |
| --- | --- |
| **The component shall support iOS 11.** | ID: 86153, POF: -, Safety: -, Security: -  State: Approved, 2017-11-20 16:29 |
| Description: | |
| Acceptance Criteria: | |

|  |  |
| --- | --- |
| **The component shall support Android Oreo.** | ID: 86190, POF: -, Safety: -, Security: -  State: Approved, 2017-11-20 16:29 |
| Description: | |
| Acceptance Criteria: | |

|  |  |
| --- | --- |
| **The component shall support Android Marshmallow.** | ID: 97320, POF: -, Safety: -, Security: -  State: Approved, 2017-11-20 16:29 |
| Description: | |
| Acceptance Criteria: | |

|  |  |
| --- | --- |
| **The component shall support Android Nougat.** | ID: 97322, POF: -, Safety: -, Security: -  State: Approved, 2017-11-20 16:29 |
| Description: | |
| Acceptance Criteria: | |

|  |  |
| --- | --- |
| **The component shall support Android Lollipop.** | ID: 97323, POF: -, Safety: -, Security: -  State: Approved, 2017-11-20 16:29 |
| Description: | |
| Acceptance Criteria: | |

# Revision History

| **Version** | **Date** | **Author** | **Description of Change** | **Reason for Change** |
| --- | --- | --- | --- | --- |
| 0.1 | 2017-Nov-22 | Matthijs Piek | Initial version |  |
| 0.2 | 2017-Nov-22 | Matthijs Piek | Marked the references table with NA, updated ToC, identified Wikipedia as a source | Review by Gerard Arts and Bas Flaton |

# Approval

| **Name** | **Role / Function** | **Date** (YYYY-MON-DD) | **Signature** |
| --- | --- | --- | --- |
| Thijs Winter | Chapter lead | See Windchill | See Windchill |
| *See Windchill* | *See Windchill* | *See Windchill* | *See Windchill* |

# <Appendices>

Not applicable: no appendices.