PROJECT NAME HERE

Project members

**Interface Control Document**

**subsystem if needed**

REVISION – Draft

25 January 2018

Interface Control Document

for

Project Name Here

Prepared by:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Author Date

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Project Leader Date

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John Lusher II, P.E. Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

T/A Date

**Change Record**

| **Rev.** | **Date** | **Originator** | **Approvals** | **Description** |
| --- | --- | --- | --- | --- |
| **-** | [date here] | [person’s name] |  | Draft Release |

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# Overview

Provide a brief overview of what this ICD will cover (i.e. scope).

# References and Definitions

Provide any references (i.e., standards documents) and definitions. Examples are shown below.

## References

**MIL-STD-810F**

**Environmental Engineering Considerations and Laboratories Tests**

1 Jan 2000

Change Notice 2

30 Aug 2002

**American National Standard for VME64 (ANSI/VITA 1-1994 (R2002))**

4 Apr 1995

**American National Standard for VME64 Extensions (ANSI/VITA 1.1-1997)**

7 Oct 1998

## Definitions

CCA Circuit Card Assembly

mA Milliamp

mW Milliwatt

MHz Megahertz (1,000,000 Hz)

TBD To Be Determined

TTL Transistor-Transistor Logic

VME VERSA-Module Europe

# Physical Interface

Provide details on the physical interface. Examples are:

## Weight

It will be less than 20 lbs

## Dimensions

Get dimensions of standard backpack, preferably one someone in the group has

### Dimension of subsystem name

Everything is to be decided, I will measure the esp32 modules and weigh them

## Mounting Locations

Anywhere and everywhere. Want to use an equalizer at the park? Hehe you can!

# Thermal Interface

Provide detail on any thermal interfaces that your project may have. Do you need cooling and air circulation? Do you need heatsinks? If you use a heatsink, does it need a cold wall?

# Electrical Interface

Provide details on the electrical interface. Examples are:

## Primary Input Power

## Polarity Reversal

## Signal Interfaces

## Video Interfaces

## User Control Interface

# Communications / Device Interface Protocols

Provide details on the protocols for communication. Examples are:

## Bluetooth

i.e., IEEE 802.11ac

## Aux

i.e., USB 3.0

## Wired Battery Charging