

Date	Section	Editor	Description of Change
10/6/17	Project Summary	Sean Sylwester	Draft created for peer review
10/6/17	Introduction	Sean Sylwester	Draft created for peer review
10/13/17	Engineering Requirements	Sean Sylwester	Draft created for peer review
10/19/17	Methodology Review and Selection	Sean Sylwester	Draft created for peer review
10/20/17	Project Timeline	Sean Sylwester	Draft created for peer review
10/23/17	Block Diagram and Interfaces	Sean Sylwester	Draft created for peer review
11/2/17	Abstract	Sean Sylwester	Draft created for peer review
11/4/17	Revision History	Sean Sylwester	Created
11/4/17	Introduction	Sean Sylwester	Added project title, and reworded some sentences.
11/4/17	Project Summary	Sean Sylwester	Removed unnecessary background information, reworded some sentences, and added more technical design details.
11/4/17	Engineering Requirements	Sean Sylwester	Removed some unnecessary requirements, reworded some, and added testing procedures for each of the 10 graded requirements.
11/4/17	Methodology Review and Selection	Sean Sylwester	Added project title, reworded some sentences, and added more analysis.
11/4/17	Block Diagram and Interfaces	Sean Sylwester	Completely reworked the block diagram layout and presentation, added a microcontroller code block, and combined the two regulator blocks into one.
12/3/17	Methodology Review and Selection	Sean Sylwester	Magnetometer and Bluetooth comparison tables added.
12/3/17	Block Diagram and Interfaces	Sean Sylwester	Block diagram and interfaces updated
12/3/17	All sections	Sean Sylwester	Writing updated based on peer and instructor feedback
12/3/17	Process Memo	Sean Sylwester	Section added
1/12/18	Block Diagram	Samuel Lee	Updated block diagram to fix misunderstanding of “controller code” and “microcontroller”
1/21/18	Laser ToF Sensor Block Description	Sean Sylwester	Updated some wording, updated the interfaces and properties due to a change in our block diagram
1/21/18	Ultrasonic Sensor Block Description	Sean Sylwester	Section Created
1/21/18	PCB Block Description	Sean Sylwester	Section Created
1/21/18	Bluetooth Block Description	Samuel Lee	Updated Bluetooth block diagram with new interfaces names
1/21/18	All sections	Samuel Lee	Updated Bluetooth, Controller Code, and Sensor Controller block descriptions drafts
1/21/18	Revision History	Samuel Lee	Revision History Updated
1/21/18	Process Memo	Samuel Lee	Section Added
2/6/28	Block Diagram	Samuel Lee	Updated block diagram for Bluetooth, Controller Code, and Sensor Controller block description
2/7/18	Laser ToF Sensor Block Description	Sean Sylwester	BoM, and design and validation sections updated.
2/7/18	Ultrasonic Sensor Block Description	Sean Sylwester	BoM, and validation section updated
2/7/18	PCB Block Description	Sean Sylwester	BoM updated and figure background colors changed from black to white
2/7/18	Haptic Feedback Block	Jacy Barr	Reformatted everything into IEEE, included information about multiples of the same circuit, added BOM, updated interfaces, fixed wiring diagram
2/7/18	Project Management Block	Jacy Barr	Reformatted everything into IEEE, improved project narrative for specificity, altered communication protocols to table format
2/7/18	Enclosure Block	Jacy Barr	Reformatted everything into IEEE, included CAD models instead of drawings, redefined ‘interfaces’, improved testing procedures, updated/included BOM, added dimensions to components
3/14/18	Power Supply Block	Sean Sylwester	Block added
3/14/18	Sensor Harness, Feedback Harness, Magnetometer Block	Jacy Barr	Block added
3/14/18	Feedback Controller Block	Samuel Lee	Block added
3/14/18	PCB Block	Sean Sylwester	Updated block with new schematic, layout, and BOM.
3/14/18	Haptic Feedback Block	Jacy Barr	Updated with PCB Layout
3/23/18	PCB, Enclosure, Power Supply, and Haptic Feedback Block	All	Changed PCB and enclosure layouts to better accommodate connectors, and to clip onto user clothing instead of hanging off the bands. Changed from AA batteries to rechargeable Li-Ion batteries, with a charging circuit included (improves usability). Changed to a smaller haptic feedback motor and added a metal pad to make the vibrations more localized and intense.
4/6/18	Introduction, Project Summary, Timeline, Requirements	All	Updated the introduction, project summary, and timeline to reflect the previously described system changes. Updated engineering requirements to make them attainable and testable.