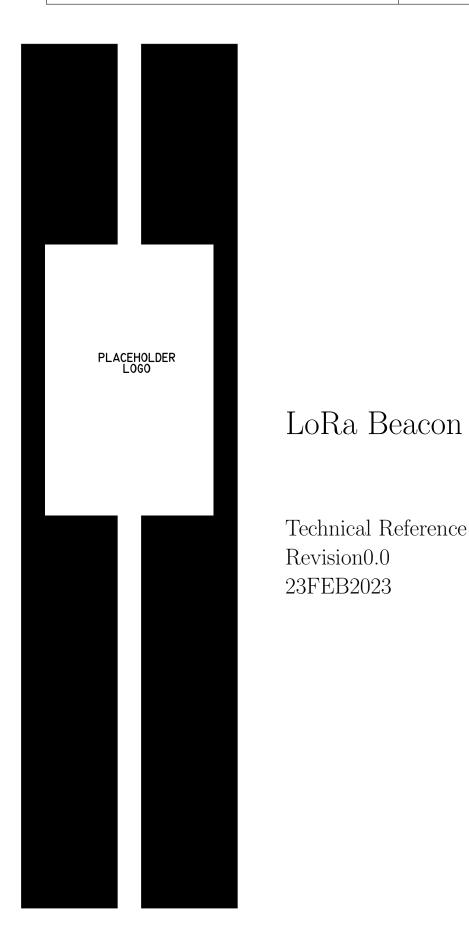
LoRa Beacon

Revision0.0
23FEB2023



LaDa Dassan	Revision0.0
LoRa Beacon	23FEB2023

Bottom Line Up Front

Page: 2 of 10

Contents

LoRa Beacon

1	Use Case	4
2	Theory of Operation 2.1 Modes of Operation 2.1.1 Hub Mode 2.1.2 Distributed Mode	5 5 5
3	Implementation3.1 Phone Application3.2 RNode Interface3.3 Server Interface3.4 Tracking Server	6 6 6 6
4	Future Improvements	7
5	Example Implementation	8
6	Example Control Codes	9
7	Terms and Acronyms	10

LoRa Beacon	Revision0.0
LoRa Beacon	23FEB2023

Use Case

Theory of Operation

2.1 Modes of Operation

2.1.1 Hub Mode

2.1.2 Distributed Mode

LoRa Beacon is an implementation of a GPS reporting system over LoRa. It targets the RNode hardware and is designed to be compatible with NIMS/ICS.

LoRa Beacon	Revision0.0
Lona Deacon	23FEB2023

Implementation

- 3.1 Phone Application
- 3.2 RNode Interface
- 3.3 Server Interface
- 3.4 Tracking Server

LoDo Doccon	Revision0.0
LoRa Beacon	23FEB2023

Future Improvements

LoRa Beacon	Revision0.0
Lora Deacon	23FEB2023

Example Implementation

LoRa Beacon	Revision0.0
Lora Deacon	23FEB2023

Example Control Codes

LoRa Beacon	Revision0.0
LoRa Beacon	23FEB2023

Terms and Acronyms

AGPS: – LoRa: –

GLONAS: GPS: NIMS: -

ICS: See: NIMS/ICS: – NIMS/ICS: –

Page: 10 of 10