# Weekly Status Report Week 2

**EECE 443** 

MCU TNC Design

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Submittal Date: March 3<sup>rd</sup>, 2020

#### Accomplished tasks for this week:

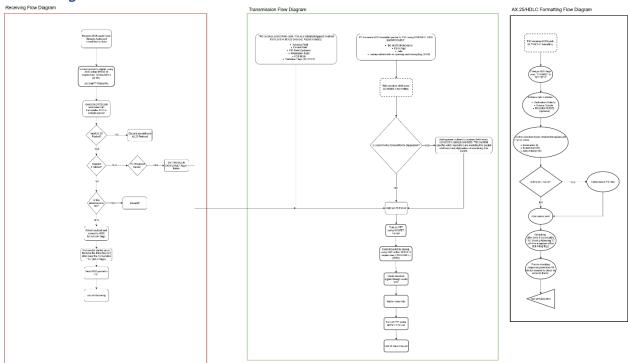
- Review information about the AX.25 Protocol
- Review information about the KISS Protocol
- Create BOM of parts needed to submit to mentors
- Create PowerPoint for Assignment 1A
- Aid team in creating flow diagram for transmission and receiving of packets using the AX.25 protocol

#### Planned tasks for next week:

- Since the mentors have our BOM we should receive the dev boards to begin coding
- Review the flow chart with mentors to ensure we are accurately describing the flow of data for XMSN
- Review STM32 tutorials available on CAPE4 GitHub repo

## Examples of Completed Task

## Flow Diagram: Receiving Flow Diagram



### **Current BOM:**

A	В	۲	D	F	F	G	Н	1	1	K	1 4
1 Item	Purchase Link	Cost Per	Amount	Total per Comp		9	- "	'	,		
2 STM32F446RE Nucleo board	https://www.mouser.com	\$14.00	3 ئ	\$42.00							
P-Channel MOSFET	505PBF?qs=sGAEpiMZZMs	\$0.88	10	\$8.80							
4 Resistor Kit	ww.sparkfun.com/produc	\$7.95	1	\$7.95							
5 Capacitor Kit	ww.sparkfun.com/produc	\$7.95	1	\$7.95							
6 USB Logic Analyzer - 25MHz/8-Channel	ww.sparkfun.com/produc	\$19.95	3	\$59.85							
7 3PCS 400 tie-Points breadboard	r=678214a0-1137-4905-9a	\$7.98	1	\$7.98							
8 3.5 mm/2.5 mm jack	L699?qs=sGAEpiMZZMsM	\$0.95	3	\$2.85							
jumper wires(M-M, M-F,F-F);	od_rd_r=69f380b1-3793-4	\$5.79	1	\$5.79							
10			Total:	\$143.17							
11											
12											-
← Sheet1   ⊕											

## Time Sheet

Item	Date/Time	Description	Hours
1	2/24/2020	Beginning to put together a data flow chart for the	3.5
	10am-1:30pm	AX.25/KISS protocol	<b>5.</b> 5
2	2/26/2020	Finish flow chart with Kaleb	1.5
	8pm-9:30pm	Fillish now chart with kaleb	1.5
3	3/3/2020	Create BOM to present to mentors to get ahold of	1
	6am-7am	components	1
	_	Total:	6