CMPEAUS Sept.7

Sept7. Print the payload message. Note: 1º Homework (RF module Nate: Rython Implementation on & RF Wark-in-Progress) Jetson NAND, OR R-Pie 3 B+ or4 Due today Inspection in Class. you can dothe same. Honework (17) Due A Week Note: This homework is for Laptop Bused from Today, Wite ClC++, Implementation. OR Rython to Implement Based on the Homework (Today. R.F. Bourd)
we will continue with Landline" LISA Algorithm (Phase I) ≤uch that: Testing Capability. 1° Console Input from user to Select No. of Bytes to-Synchronization. For Example: 16 Bytes or OXSO 32 Bytes. LISA Syrc. Fig.l. 2. Note in the Juture ( phase II) We would like to Extend this Implementation PF Board No to Allow a Single Byte (as"Green" in Fig.1. Matching to the LESA Embedded Board Sync Field to Establish Synchronitation. Board 3 Payload: First Name + Last Namet 4 AigitS ID+CMPEZY5+SJSU

Sept.7 20/8F-105~ Example: Ref from the Class Example: Homework ON LISA from the github, ID: 2018F-104~ Class github. 32 Bytes Sync. Observation 1: The Minimum Number of Bytes to establish Synchronization data KB:+s is 1. Therefore 1/32 Bytes for Random Bits. Payland the Sync. - Confidence level Index y

No. of Byles to Establish Sync.

TIO 11. 12 2 2 4 - Carl Z. Sync Field is Corrupted. Total Number of Bytes (32) 3a Bytes Sync. Zsb Bits (=32 Byte in Sync Field) Note: In Safrague Defined Radio, We can Change y (Confidence Level)
to trade the quality for Speed if 10% Random Bits, Corruption. 256×10% = 26 Bits Random to it is allowed. alter Sync' Field. In Cognitive Radio Design, We Generate Random Bits. (26 bits) would like to have this Ability. USE XOR" BITWISE at Amy Arbitrary Location within the Sync Field. Observation Z: LINEAR Characteristics is from the fact LISA Index is 3. User Input for the No. of Bytes (as defined from D to F with Linear Confidence Level), then the Code increment. And Invariant will parke the input file with the Characteristic is due to the first Confidence Level to Establish the ID Index, e.g. Konging from Synchronization. o to F will allow the Algorithm to pin point to the Begining

of the psylvad.