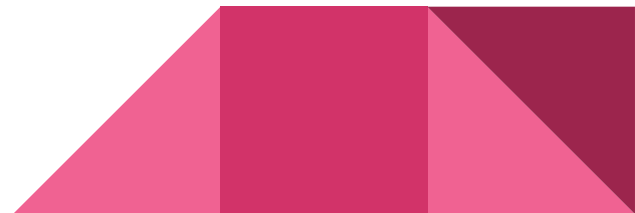


# ITAR, 802.11, and Testing

By Afton

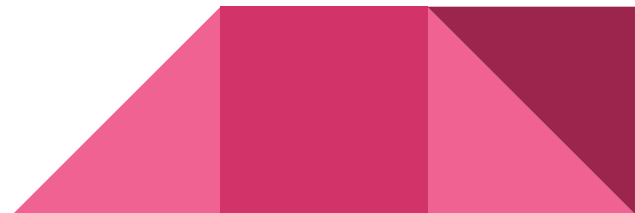
# Task 1: ITAR Policy

- ITAR = International Traffic in Arms Regulation
  - USML- United States Munitions List
    - Technical Data
- How it applies to Geon
  - Geon produces technical data that is covered by the USML
- Why the policy is needed
  - Educate employees on what ITAR is and how to comply with it



# Common Violations of ITAR

1. Failure to register
2. License approval of technical data is needed in advance
3. Incomplete Documentation
4. Other parties
5. Knowing what defense articles ITAR covers

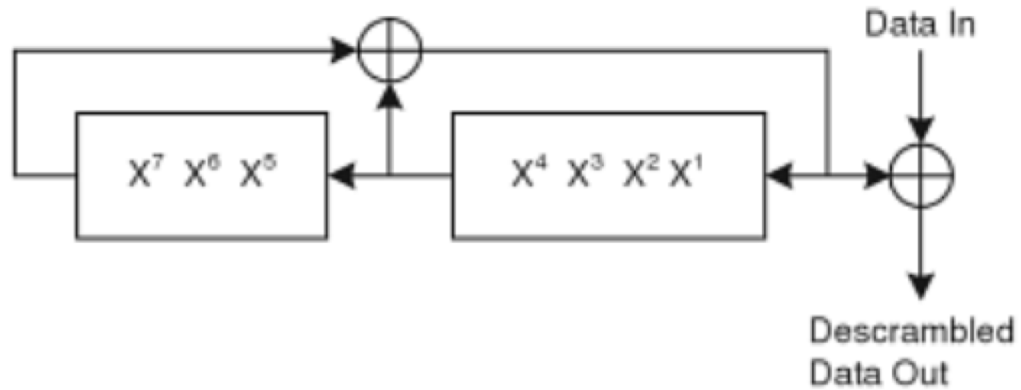


# Task 2: 802.11 Specification

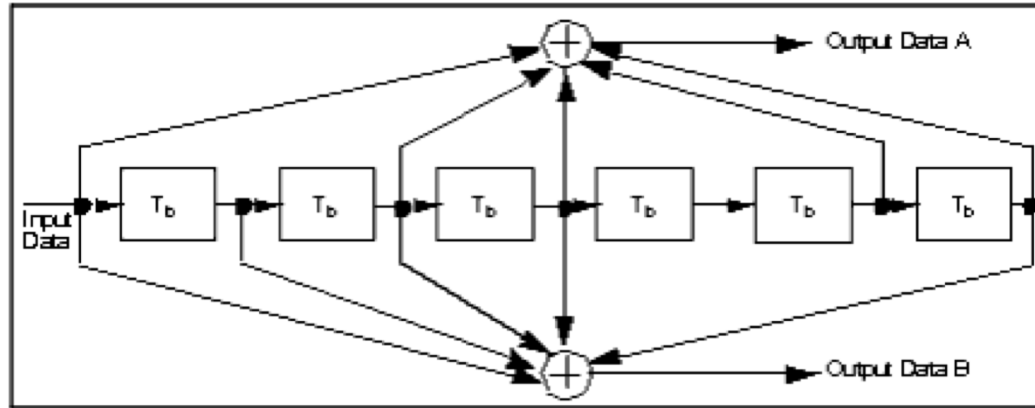
- Scramble
- Convolutional encoding
- Puncturing
- Insertion of Dummy Bits
- Viterbi Decoder
- Descramble



# Scramble

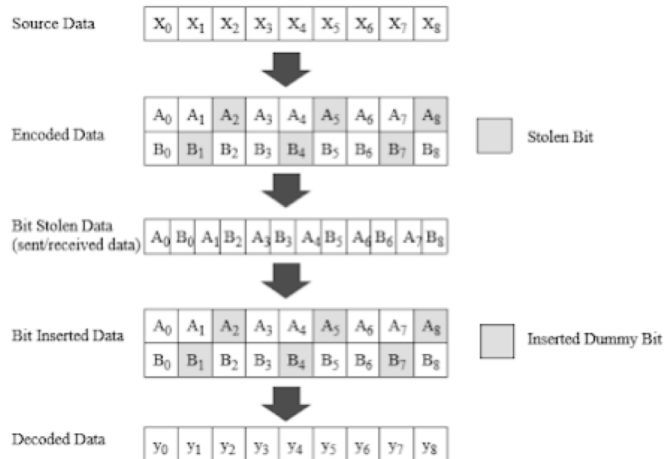


# Encode

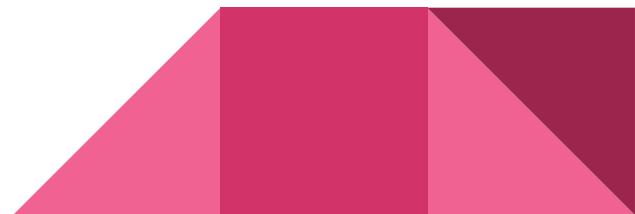


# Puncture

Punctured Coding ( $r = 3/4$ )



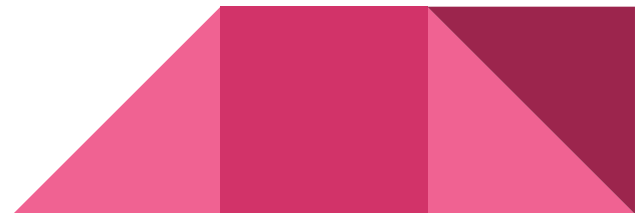
# Demo of Encoding





# Task 3: Testing

1. DetectionEstimator
2. PSDTrimmer
3. DetectionTracker
4. PSDStitcher



# Acceptance Criteria



How the customer explained it



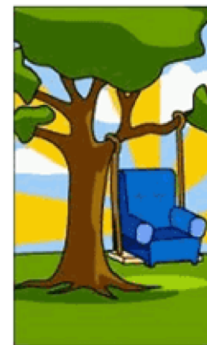
How the project leader understood it



How the engineer designed it



How the programmer wrote it



How the sales executive described it



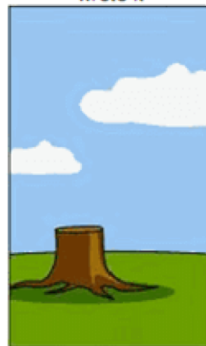
How the project was documented



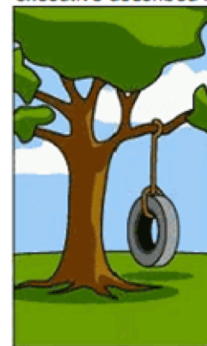
What operations installed



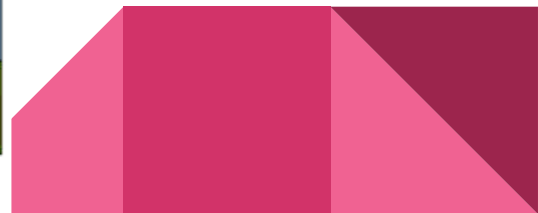
How the customer was billed



How the helpdesk supported it



What the customer really needed



# Testing Completed

1. PSDTrimmer
2. DetectionEstimator

