

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Android Secure VoIP Communications System

[The Capstone Experience](#)

Team Raytheon

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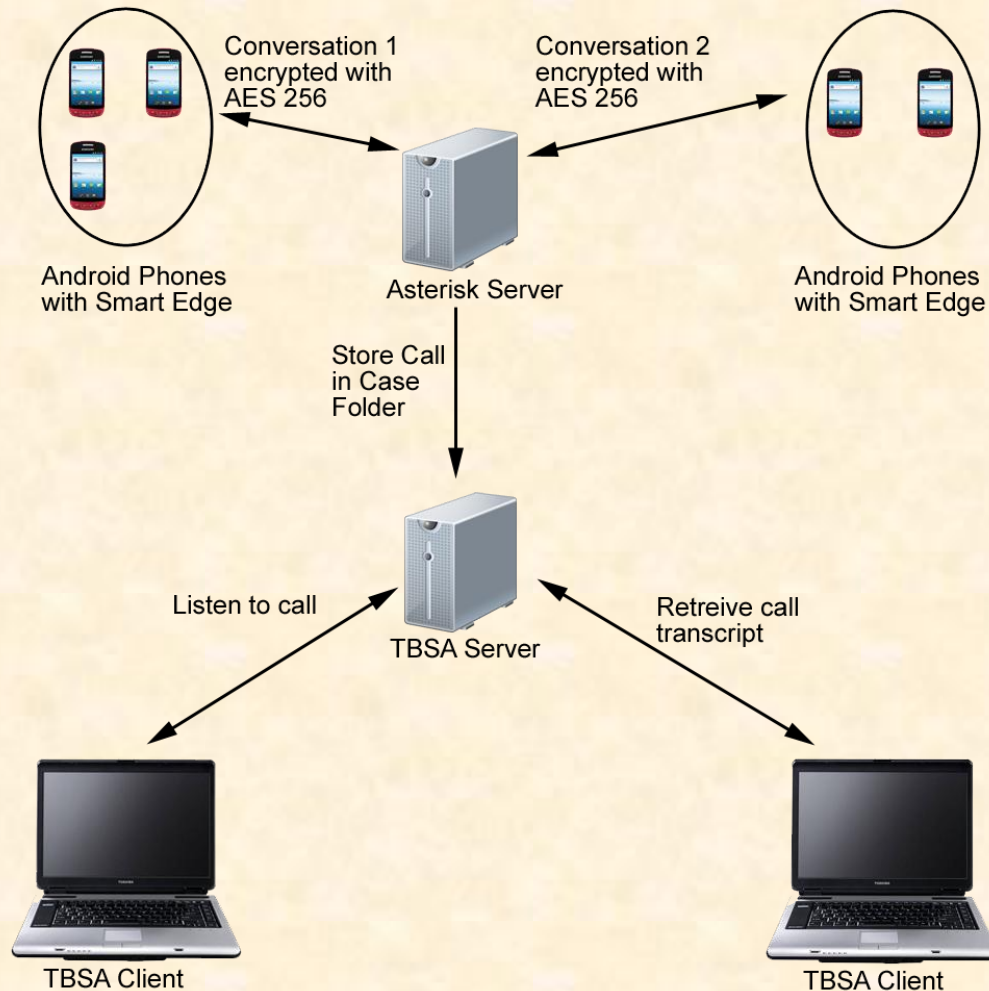
*From Students...
...to Professionals*

Project Overview

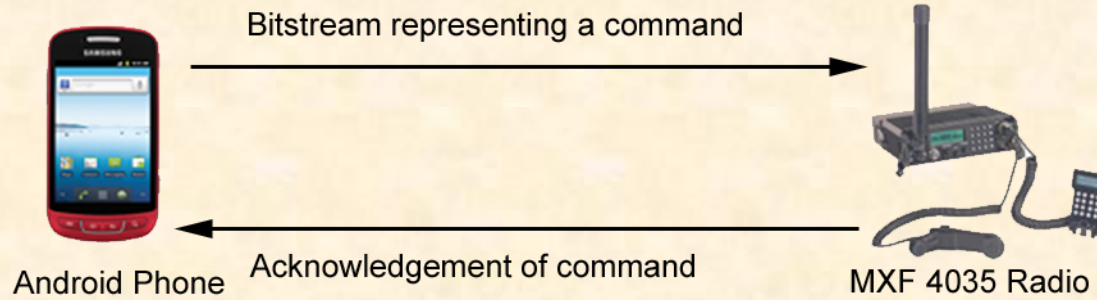
- Secure VoIP collaboration
- Hands free radio programming
- Total Battle Space Awareness (TBSA)



System Architecture



System Architecture



VoIP Call

Secure VOIP Communications System

Status

Calvin Griggs
(616) 555 - 5555

Kyle Bartush
(911) 444 - 3333

Ben Katt
(311) 867 - 5309

Forrest Yockey
(581) 101 - 2020

1	2	3	Delete
4	5	6	Send Message
7	8	9	Call
*	0	#	Options

Secure VOIP Communications System

Status

Connected Callers

Chuck Norris
(616) 123 - 4567

Kyle Bartush
(911) 444 - 3333

Ben Katt
(311) 867 - 5309

Forrest Yockey
(581) 101 - 2020

Will Ferrell
(581) 101 - 9999

Add Caller End Call



Options and Incoming Calls

Secure VOIP Communications System
Status

Options

Change Username

Change Password

Server Address:

Port Number:

Save Cancel

Secure VOIP Communications System
Status

Incoming Call

Calvin Griggs
(616) 555 - 6666

Answer End



What's left to do?

- Radio project
- RTP/SIP integration
- Conference calls
- Encryption
- Desktop application
- Storing/retrieving calls
- Script to build contact list

