

COMINT Innovations - 2015



What are our targets up to?

What is industry doing?

What is industry NOT doing?

Suggestions



Targets

RATNIK Russian Modernization

CLONES IP Theft - Espionage Open Standards (Mil-Std, STANAG...)

VARIANTS Adaptations of Standards

CALLING SYSTEMS Principally HF-VHF

HYBRID MODULATIONS Multiple Modulations per mode

LETHARGY VHF-UHF





Sensor Trends

Sensor Reconfigurable - Adaptive SWaP Multi-INT

Thin Client Platform Manned Dismounted Clandestine

SIGINT Suite Parsing Intelligence to Battlefield





"Fighting the Last War"

Slow

Myopic

Reactive

Unimaginative





Big Problems

Inadequate decoding

Modulation Recognition - OLD!

Inadequate Research

Inadequate Analysis

Numerous Inaccuracies



What can be done?

- Better Research
- More Analysis OSINT
- Work with DARPA, IARPA, DSTL et al
- More R&D investment (Govt. and Industry)
- New Techniques

'.... we have much to learn from the past....'





More Tools in the Toolbox

- Learn from EW
- ELINT Techniques < > COMINT Techniques
- More EA / MISO / PsyOps
 - Modern Battlefield Pace is HIGH
 - EW and SIGINT are mutually-compatible not mutually-exclusive
 - Intelligence available in the battlespace
 - More Artificial Intelligence (AI)
 - Real-Time Predictive Routines





