



## Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support



### SVFuA The German SDR Program



**Bundeswehr**  
Wir. Dienen. Deutschland.



# Presentation Outline

- **Project Overview**
- **System Components**
- **Important Milestones**
- **Platform Integration**
- **Project Office**

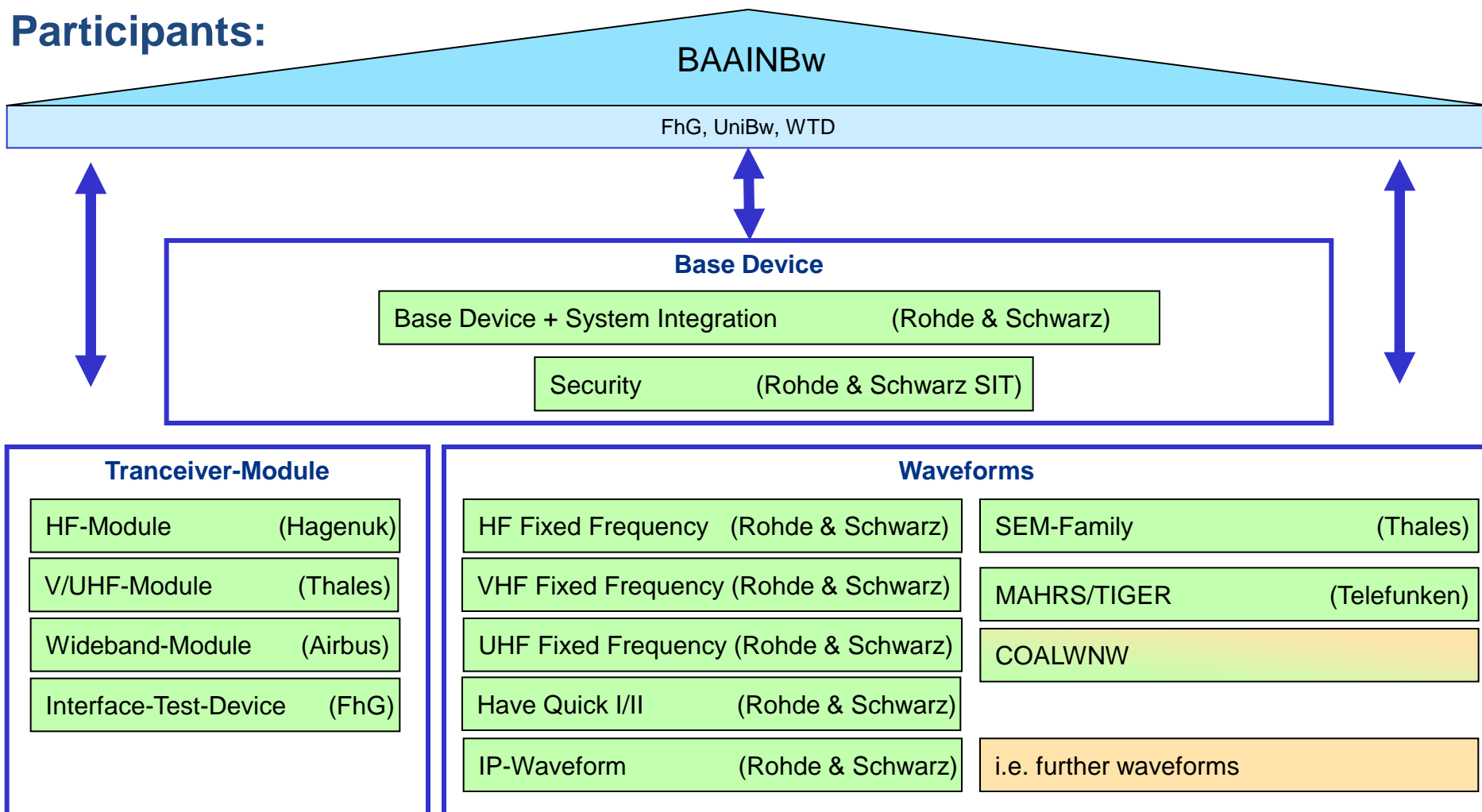


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# Project Structure

## Participants:





# System Facts

- Sw-based INFOSEC-Module
- Frequency Range
  - Transceiver Module HF: 1.5 MHz – 30 MHz
  - Transceiver Module V/UHF: 30 MHz – 600 MHz
  - Transceiver Module Wideband: 600 MHz – 3 GHz
- SCA 2.2.2



# Presentation Outline

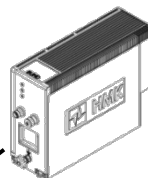
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# System Components (1)

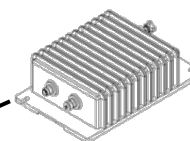
Base Device



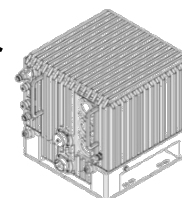
Transceiver Module HF



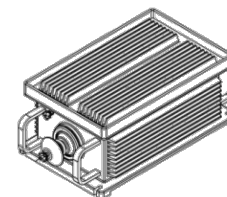
Amplifier 20W



Amplifier 400W



Antenna Tuning Unit



OBISS

Transceiver Module V/UHF



Transceiver Module Wideband



Base Device Carrier - 2L



## System Components (2)

- Management Components
- Waveform Development Platform
- Waveforms
  - SEM 80 / 90 / 93
  - MAHRS / TIGER
  - HaveQuick I / II (STANAG 4246)
  - Fixed Frequency HF (STANAG 4203)
  - Fixed Frequency VHF (STANAG 4204)
  - Fixed Frequency UHF (STANAG 4205)







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## Milestone in July 2013

- 2-Line Configuration
- Connection to Service Device
- Connection to Network Management Station
- Waveform
  - FM3TR



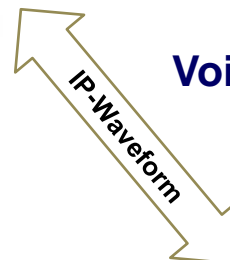
## Milestone in March 2014

- 3-Line Configuration
- Connection to Operator Device
- Connection to Security Management Station
- Waveforms
  - Have Quick I/II
  - Fixed Frequency 4203, 4204, 4205



# Demonstration in July 2014

Station Alpha



Voice and Data



Station Charlie



Voice or Data



Station Bravo





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# Platform Integration

- 2014 – 2015
- 2014 First Platform Integration
  - BOXER Multi-Role Armored Vehicle





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# Project Office

## Contact:

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# Thanks for your attention!