

6.2/6.3 Mobile Direction Finding



OBJECTIVE:

- Develop hardware and software technologies necessary for Mobile DF operations
- Antenna orientation and system timing hardware
- Signal compression software
- Signal characterization software

PAYOFF:

- Ability to characterize and DF threat signals on a PC platform
- SINCGARS identification has been demonstrated

TECHNICAL APPROACH:

- Develop and demonstrate signal compression and characterization algorithms using wavelet technology
- Develop an antenna orientation and timing system
- Integrate into Team Portable Collection System

TASKS	FY01	FY02	FY03	FY04
WAVELET COMPRESSION & ASSOCIATED RESEARCH	—△			
DEVELOP COMPRESSION & CHARACTER. ALGORITHMS	▲—△			
CODE, TEST AND DEMO ALGORITHMS		▲—△		
DEVELOP ANTENNA ORIENT. & TIMING HARDWARE		▲—△		
TRANSITION			◆	

PERFORMER: DIGITAL ACCESS CORPORATION