



Second Joint Laureate Applied Research

- ◆ **Project Title:** Tactical Voice & Data Network (SAMA-Net)
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Abstract:

The main parameters of this automatic integrated network include: mobility, total area coverage, high traffic capacity, subscriber to subscriber direct dialing, speech and data encryption. This multi services network supports land combat, air and coastal defense requirements at every level. Tactical data communication features are well suited for exchanging sensors and weapons data.

This network comprises a number of shelter stations interconnected by microwave radio, tactical fiber optic or field wire links which establishes a fully meshed tactical switching network. Combat Net Radio (CNR) services through an Automatic Radio Switch is supported. This switch provides communications between field or normal telephone subscribers as well as communications between different frequency band radios. Dialing from old combat radios to the network subscriber are provided by Combat Radio Dialler (CRD) device.