

Defence Science and Technology Laboratory



**Meeting C4ISTAR Requirements
Integrating Systems & Technologies
into Equipment Capabilities**

**Joint Command & Battlespace Management
Applied Research Technology Demonstrator**

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Report Documentation Page

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ARP13

COMMAND, CONTROL & INFORMATION INFRASTRUCTURE

Aim

- Deliver world-wide communications network
 - Global Information Infrastructure
 - Comprehensive information services for defence
- Underpin mission and business applications
 - Satisfying needs of levels of command
- Sponsor DEC(CC&II) (Brigadier Philip Pratley)

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COMMAND, CONTROL & INFORMATION INFRASTRUCTURE

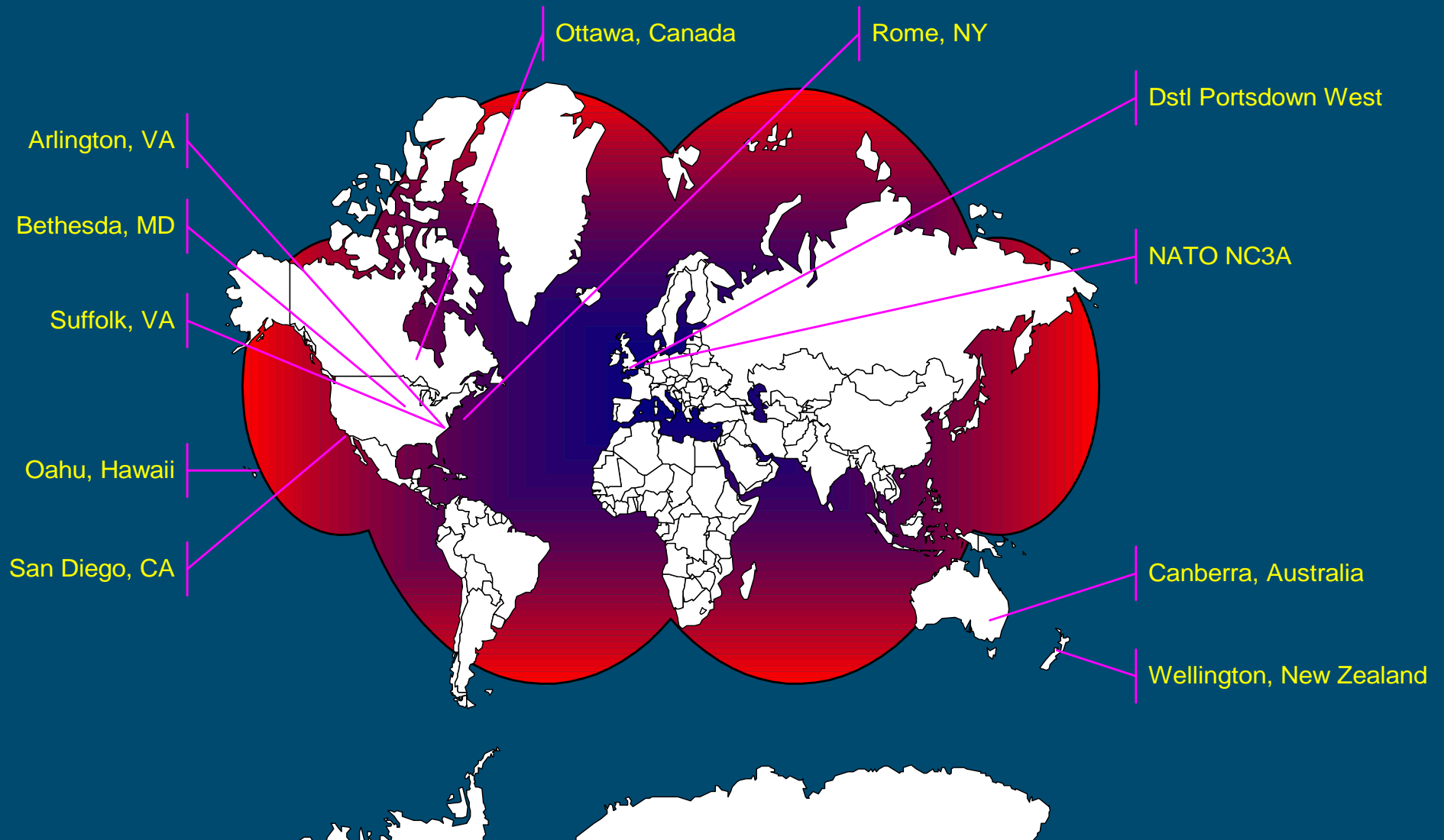
- Key areas for capability improvements
 - Secure wide area and mobile communications
 - Information infrastructure
 - Decision support and situational awareness
 - Intelligence support
 - Joint logistics
 - Information Operations
 - Command and control
 - Interoperability

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COMMAND, CONTROL & INFORMATION INFRASTRUCTURE

- Strategy
 - Promote experimentation, demonstration and prototyping over 46 projects
 - Project 2 (JCBM ARTD) provide a comprehensive and coherent C3I laboratory (located at Portsmouth West)
 - Primarily for ARP 13 research programme
 - Exploitation to wider Mod Community
 - Standing UK host for Joint Warrior Interoperability Demonstrator
 - UK element of the multinational Combined Federated Battle Network (CFBLNet)

CFBL Net Points of Presence



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ARTD Capability

- Conduct collaborative investigations into joint and combined coalition issues.
- Connectivity to other Joint and Combined experimental testbeds (Distributed working)
- Provides access for Industry in support of Equipment Programme
- Evaluates research in promising new areas, including the civil market.
- Hosts large demonstrations
- Provides a representation of the Battlespace

Integrating Systems and Technologies into Equipment Capabilities

- Integrated component of Defence Test & Reference Centre
 - CM(IS) initiative
 - Development led by the Integration Authority
 - NEC Requirement
 - comprehensive and rapidly adaptable set of experimental facilities will be required
- Exploitation of research direct to the Equipment Programme
 - Working links with the DPA
 - Working links with C4I Integrated Project Teams

Integrating Systems and Technologies into Equipment Capabilities

- JWID Programme (technologies and interoperability issues)
- Addressing current C3I Interoperability issues
- Venue for SME's to evaluate exploitable technologies

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ARP13 Structure

