Freeboard
OpenXT – Android Tablet

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Freeboard

One Tablet, Multiple Environments

• Protect data at rest and data in transit
• Maximize convenience for user
  – Quickly switch between multi-level security domains
  – Transparently use all available communication paths
• Maximize convenience for admins
  – Commercial Solutions for Classified (CSfC) mobile platform component
What is Freeboard?

• OS software product for COTS tablets
  – Enables single device to have Multiple security levels
  – Users rapidly switch these levels on immediate tasks
  – Secure wireless connectivity to infrastructure networks
• Simplifies logistics, enhances user experience
System/Deployment View

- **CSfC certifiable mobile platform**
  - COTS hardware, Freeboard OS
  - Android/Windows/Linux

- **Unique solution integrating full data protection**
  - VMs communicate with infrastructure in accordance with CSfC Mobile Access (MA CP) rules
  - VMs and user data encrypted to meet Data-at-Rest CP rules
• Modular system allows Freeboard to incorporate advances in virtualization, security, HW and persona SW
Future Development

- Deploy to customers chosen mobile platform
- Admin tools for tablet and communication configurations
- Certification of Freeboard product
Other Use cases

• One way guards
  – VM-based solution

• Mobile/Tactical Cloud solution
  – Share computing resources within a tactical environment