



# *Joint Program Executive Office Joint Tactical Radio System*

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## SCA Next Roll-out Meeting Wrap-up



24-25 August 2010  
JTRS SCA Working Group

**JPEO JTRS**

Distribution A- Approved for public release; distribution is unlimited (18 August 2010)



# SCA Next Recap

- **Migrate SCA to Platform Independent Specification**
  - Remove CORBA specific references
  - Develop technology specific mappings
  - Make domain profile platform neutral
- **Provide support for more compliance points**
  - Define SCA profiles
  - Introduce configurable capability within SCA constructs
- **Provide component/interface separation**
  - Define SCA component model
- **Improve integration of systems engineering and software design and development practices**
  - “Compliance by inheritance” validation
  - Support for automated testing
  - Integrate Naming Service and Domain Finder
- **Address recurring issues raised by SCA product development community**
  - Integrate changes into SCA specification
  - Decompose CF.idl into a collection of files
  - Remove unnecessary requirements
  - Define a static SCA profile
  - Define programming language specific guidance on libraries, exception handling, and runtime typing
  - Expand Application Environment Profile (AEP) to include Networking operations
  - Make Application Factory deployment and configuration more deterministic
  - Develop Appendix D (Domain Profile) requirements
  - Develop equivalent SCA extensions for Devices
  - Remove file operations
  - Formalize Set up and tear down semantics
  - Allow nested applications to be connection endpoints
  - Reorganize SCA so that development responsibilities are more self evident (CF , WF, Device and Service)
  - Bootup performance
  - Ambiguity in requirements

**Backwards Compatibility is an overarching tenet**



# SCA Next Way Forward

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- **Encourage SCA Product Developers to provide feedback on proposals presented**
  - Via email to: [jtrs-sca@spawar.navy.mil](mailto:jtrs-sca@spawar.navy.mil)
  - Prefer comments be submitted in spreadsheet format
    - Include: Brief Title, Comment Text, Slide Number(s) (if applicable), and Submitter Email Address
- **Publish Draft Specification late 2010**
  - Will be available via SCA public website
    - <http://sca.jpeojtrs.mil>
- **All JTRS SCA Working Group briefings presented will be available via SCA public website immediately following this conference**

Internationally Developed Open Specification