DHS S&T FRG
First Responder Enterprise Integration

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Focus Areas

- **CAD-to-CAD (Automatic Aid)**
  - Incident Information
  - Resource Information
  - Resource Request/Response (longer term)

- **Resource Packages (Inter/Intra-State Mutual Aid)**
  - Abbreviated Resource Package information for general situational awareness
  - Complete Resource Package information for coordination with EMAC-OS and other mutual aid tools
Technical Strategy

- Apply the Loose-Coupler concept
  - A core set of components that represents the critical information needed for situational awareness.
    - Inflexible
  - A supporting set of components that represents more detailed information about mutual aid resources or incidents.
    - Flexible
  - An extension point that lets communities add their own extensions.
    - Community defined
Technical Strategy

Tier 1 “Core” What/When/Where
Tier 2 Topic Specific “Core”
Community Specified Extension
Messaging Architecture

Command Center Workstation

Beacon Android App

IC-.NET Message Processors

IC-.NET REST Services

AWS GovCloud

Amazon DynamoDB

IC-ALL Portal Server

KML Icons S3

Message Content Bucket
Serves large attachments from DEs such as SitRep Images

Amazon SQS