



CENTER FOR ADVANCED AVIATION SYSTEM DEVELOPMENT (CAASD)

# Working Group 4/ ASSAP Subgroup

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*6-15-06*



# MOPS Progress

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- **Held 2 Meetings**
  - **Determined scope of MOPS**
    - **Limit to the Basic and Intermediate ASA Applications (total five)**
    - **Need not include TQL/ACL inputs**
  - **Developed draft functional architecture**
    - **Surveillance Processing**
      - **Source-Level Tracking**
      - **Inter-Source Correlation**
      - **Best Source Selection**
      - **TCAS Correlation**
    - **Application Processing**
  - **Identified 30 technical issues**
    - **Addressed five (e.g., Best Source Selection)**
  - **Drafted a Rough Outline of MOPS**
  - **Drafted a Rough Schedule**
    - **No consensus yet**



# Technical Issue

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- **How should the ASA Receive Subsystems handle duplicate Mode S Addresses from 1090ES Transmitters?**
  - **Mode S SSR data with duplicate addresses recorded at Dallas Airport.**
  - **Duplicate Mode S addresses may not be adequately resolved in the avionics w/o changes to the Link MOPS (DO-260A presumes addresses are unique).**
  - **The Report Assembly for 1090ES ADS-B Messages depends on uniqueness of Mode S addresses to generate the report (otherwise the content of the reports are erratic).**
  - **For these five applications, can we drop targets with duplicate addresses? Who will perform the safety risk analysis?**