

Air Traffic Organization

Mission Support Services

Aeronautical Products

Technology & Air Traffic Products

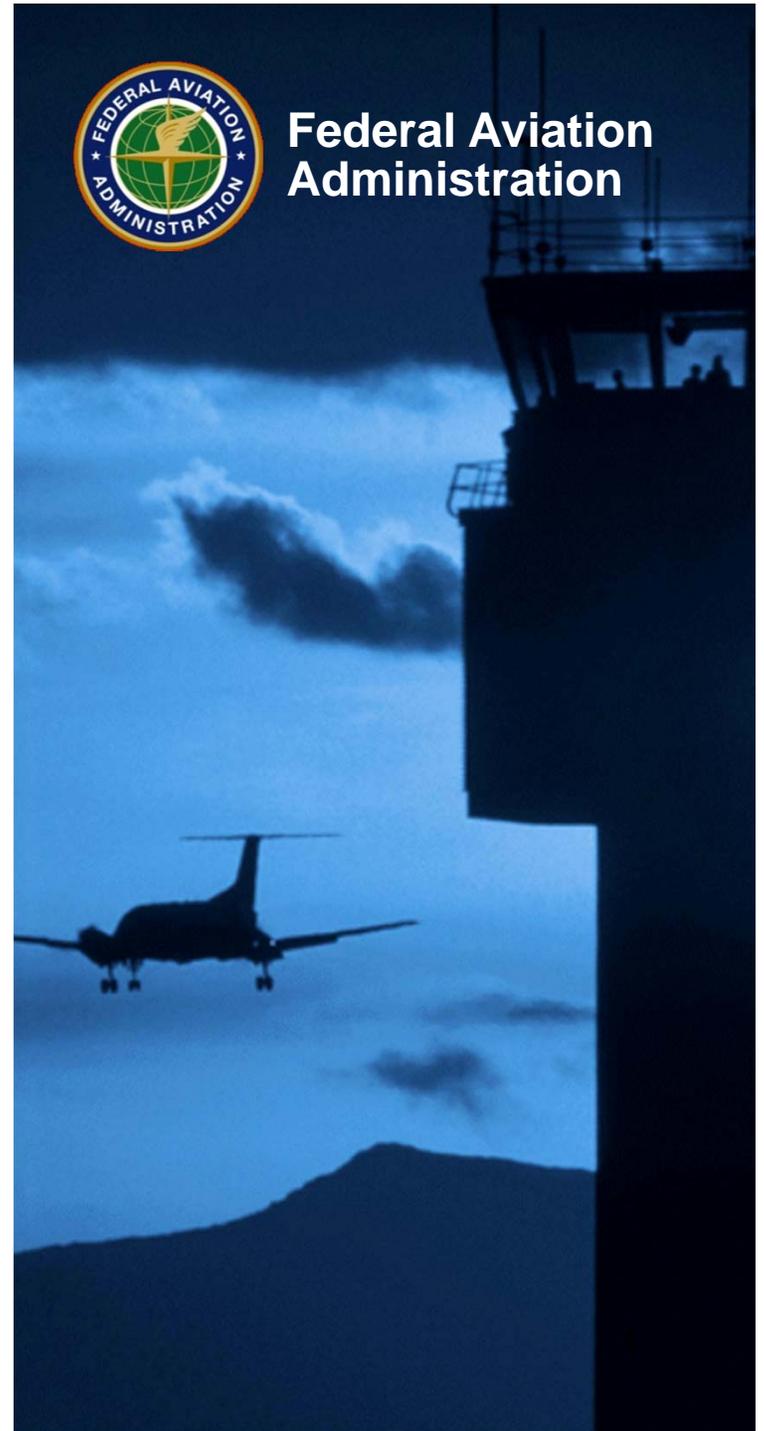
Instrument Procedures Development System
(IPDS)

By: George Gonzalez

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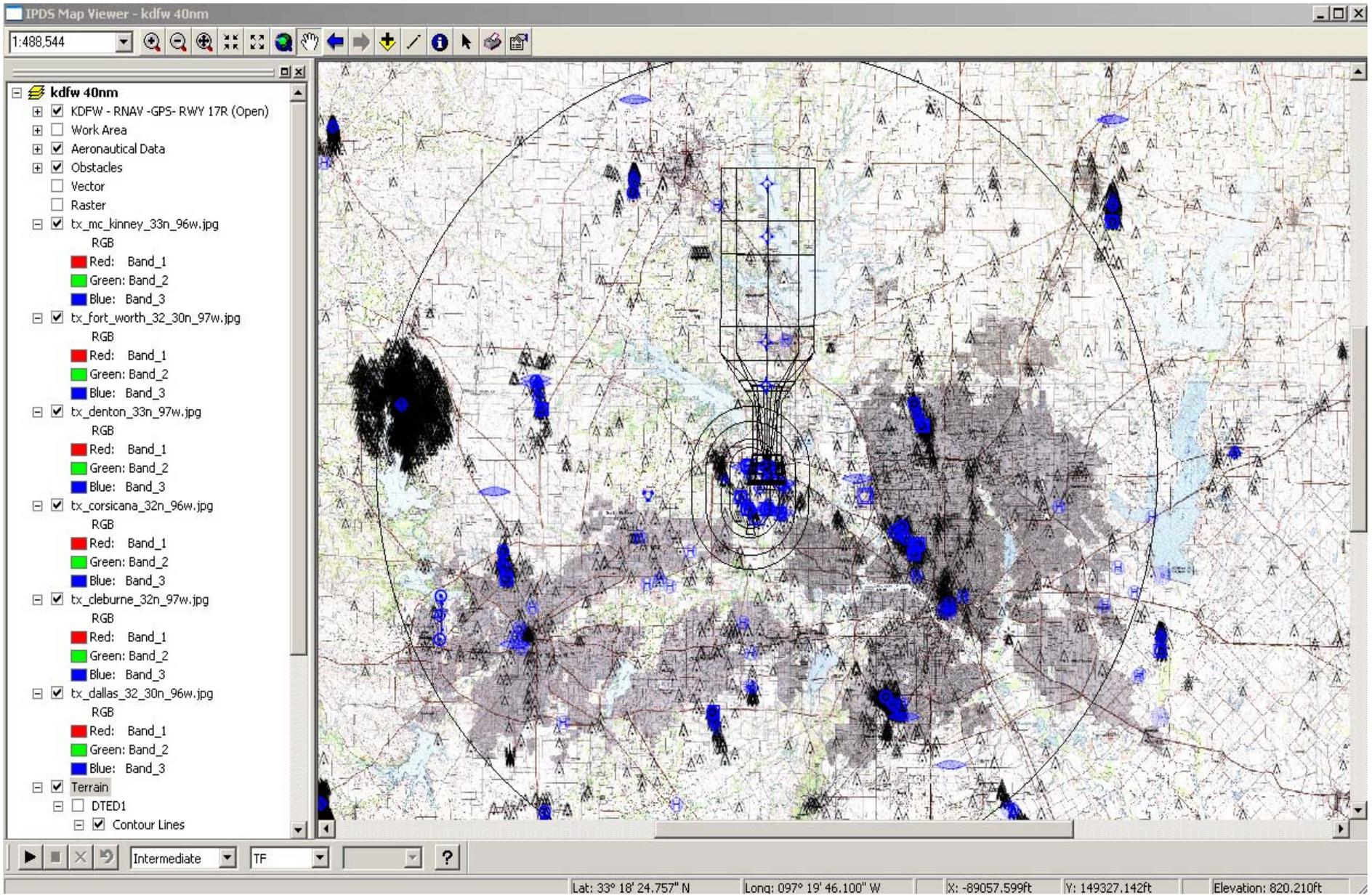
**Federal Aviation
Administration**

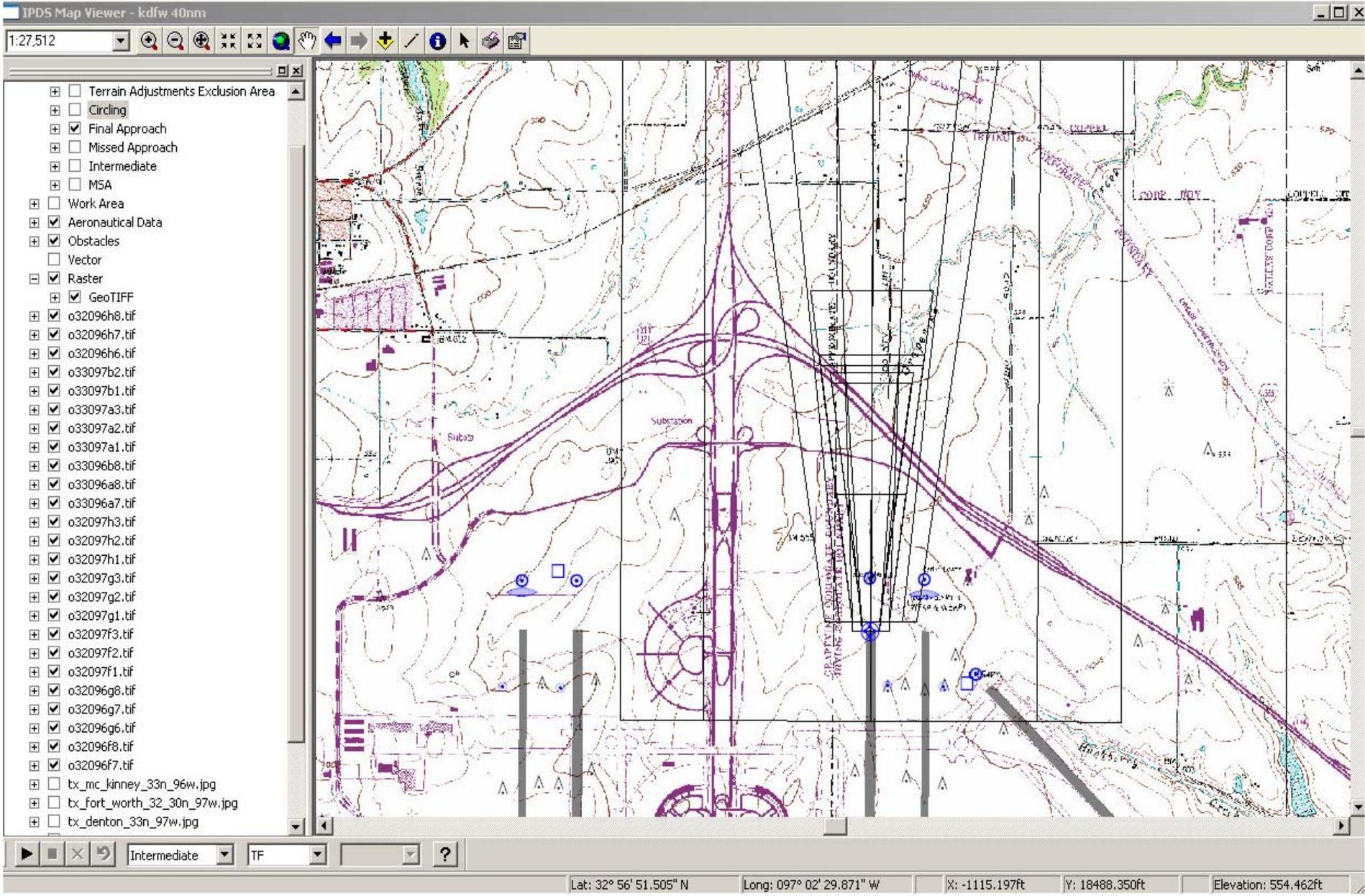


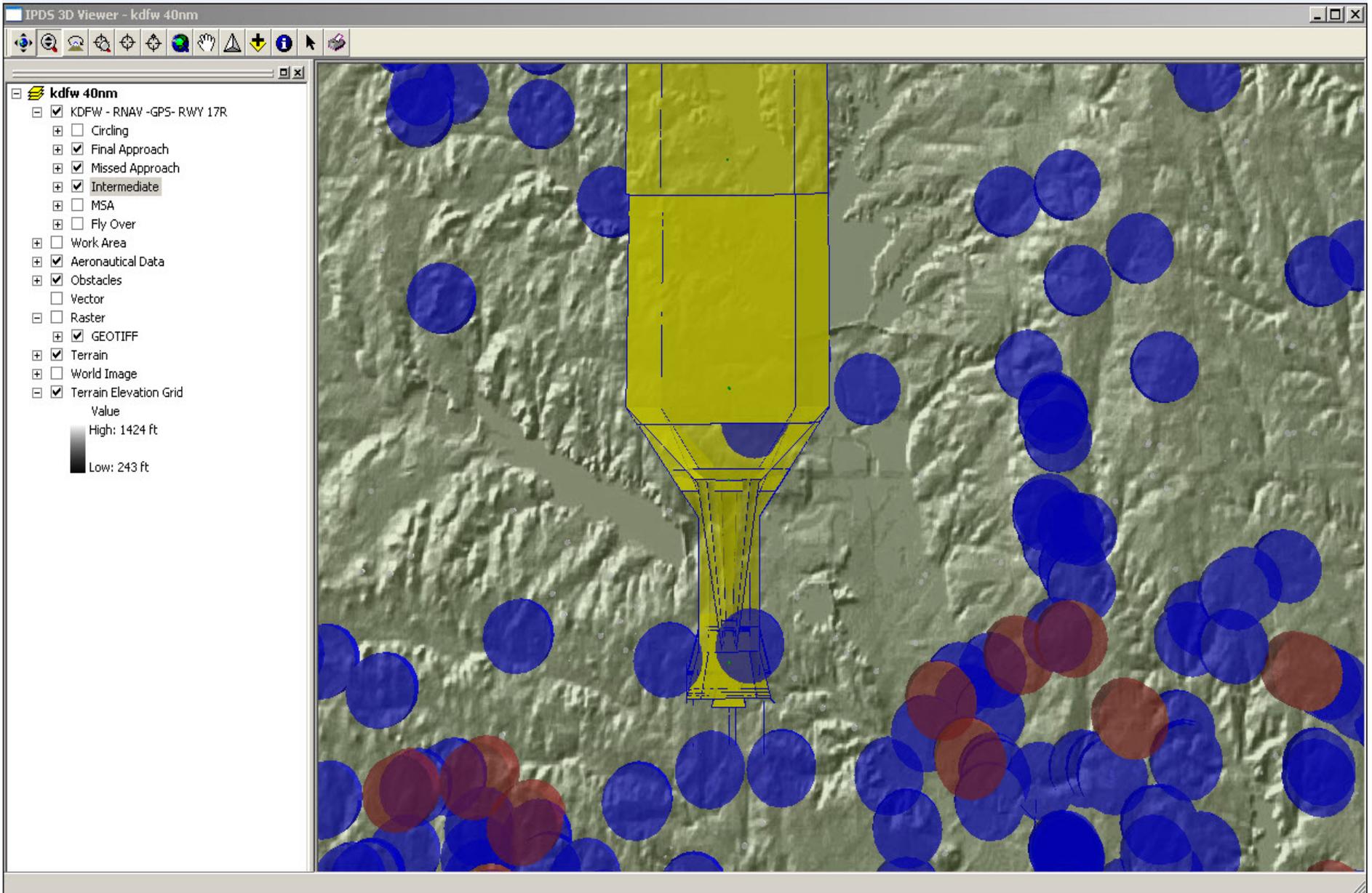
IPDS History

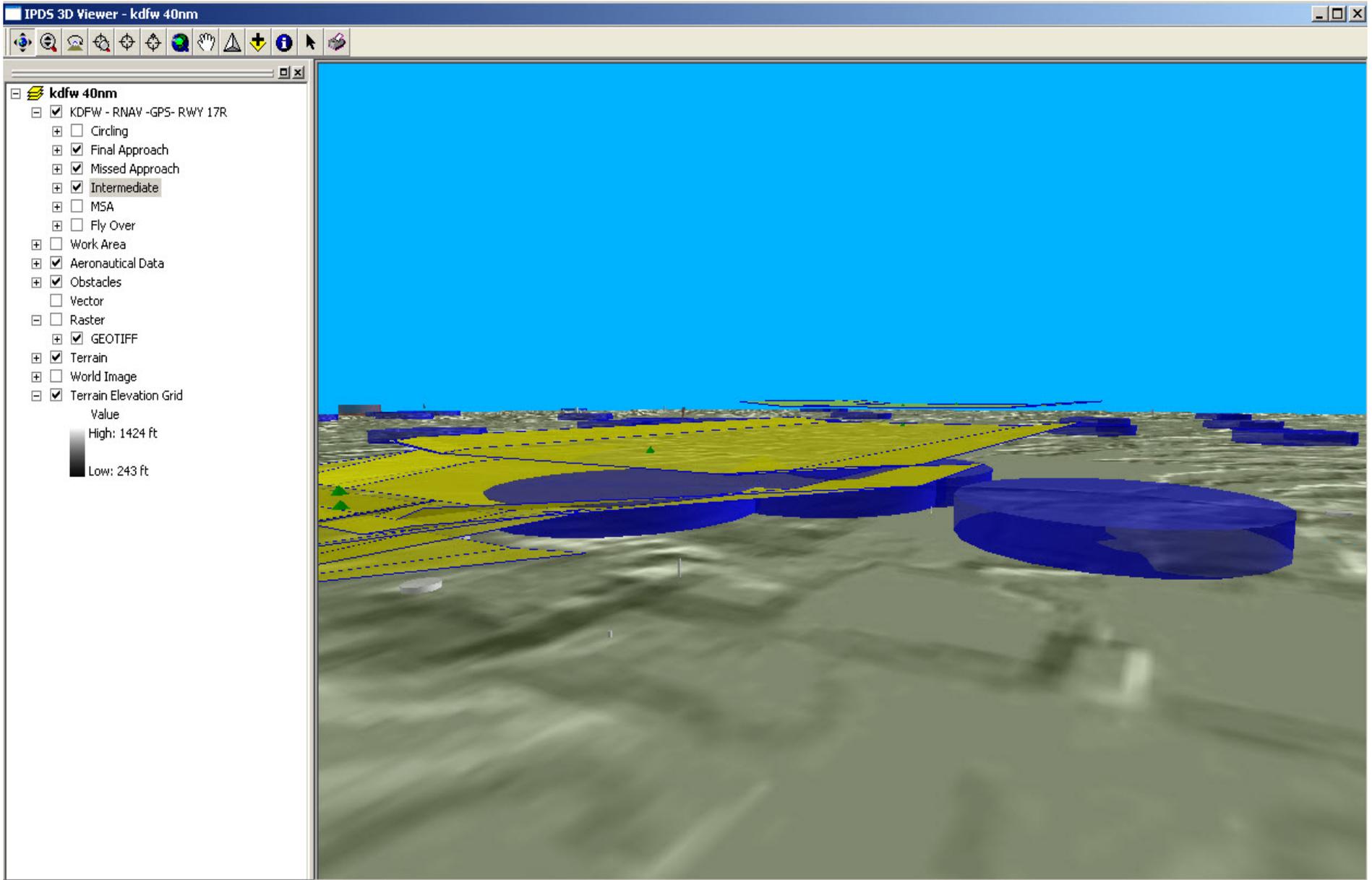
- The FAA has a requirement for the development of an Instrument Procedures Development System (IPDS) to fully replace its current Instrument Approach Procedure Automation (IAPA) System. It utilizes the latest Geographic Information System (GIS) from the leading supplier worldwide Economic & Social Research Institute (Esri) to display map data and images.
- IPDS Module 1 maximizes the leverage of the existing DoD capability and extends it with procedure types that support the performance based NAS. Module 1 has been fielded to FAA users and a select subset of DoD operators. Both sets of operators are able to design fixed wing RNP SAAAR, LPV and RNAV instrument approach procedures.
- The DoD operators will continue to develop Instrument Flight Procedures (IFP's) using data from the National Geospatial-Intelligence Agency (NGA).
- FAA operators will develop IFP's using data from systems within the FAA data enterprise which consist of Airports & NavAids (AIRNAV), Instrument Flight Procedure Automation (IFPA), Obstacle Repository System (ORS), National Airspace System Resource (NASR), etc.











Future IPDS Releases

- **IPDS (Module 2.1)**
 - Ground-Based Criteria
 - Diverse Departures
 - OE Assessment for Ground Based Procedures
 - Projected for Production in 2014
- **IPDS (Module 2.2)**
 - Window 7 / 64 Bit Technology

Future Modules Will Contain:

- Full Enroute & Departure
- Automated OE Evaluation
- STARs
- Copter RNAV
- Data Push Back to SIAP



IFPA Change Control Board (CCB)

- The IFPA CCB is envisioned to be a joint FAA/DoD committee to ensure that a structured process is used to consider proposed changes and incorporate them into systems development schedules and production software releases. The software systems that are included in IFPA are as follows: IPDS, IFP (SIAP, FIX, Departures, STARs, Enroute), AIRNAV, & APTS (PTS, NTS, OETS). Changes that will be discuss include:
 - Enhancements
 - Maintenance
 - Defects/Bugs



Questions

