# Objective

Organize and present NAS, mission support and aircraft tracking data to enable data driven decisions.

# Experience

## Team Lead AJI – 1320 Safety Tools Team January 1, 2016 to Current

Provided Guidance and leadership in support of the Safety Tools team.

## AJI – 1320 Team Member April 2013 to January 1 2016

Team member in support of Falcon, SAR, TARP, DRAAS, CEDAR, TARP Plus and QuickLook.

## Kansas City Center December 1986 to April 2013

Area rated Air Traffic Controller, Traffic Management Specialist, Procedures Specialist and Front Line Manager

# Systems Developed

* Falcon Lead Developer: Falcon is a program that allows you to review NOP and ASDE data. In contrast to other post-incident tools, which can take hours to prepare, Falcon can display a radar session within seconds. Any session from 45 days in the past to within a few seconds of real-time can be reviewed. Applications for Falcon include search and rescue, reviewing training sessions, EORs, MORs, investigating pilot complaints and evaluation of TMU initiatives. Since January 2012 2,900,000 replays have been generated.
* SAR Lead Developer: Primary database supporting Falcon. SAR normalizes data for NOP (National Offload Program) and SWIMM. SAR databases over 10,000,000 records an hour. SAR retains data for 45 days totaling over 4,000,000,000,000 records.
* TARP Co-Lead Developer: TARP detects instances of less than standard separation between two aircraft in the NAS. These events generate EORS in CEDAR and are investigated by the AJI-13 staff. TARP generates approximately 50,000 alerts per day of which approximately 2500 a day are mapped as EORs in CEDAR.
* DRAAS Lead Developer: DRAAS provides near real time access to audio from 120 facilities. Falcon and the ASIAS programs currently utilize DRAAS.
* CEDAR Developer: CEDAR provides operational ATO facilities with an automated electronic means to consistently document employee performance data, manage resources, and capture safety-related information. It functions as a single source for data collection, retrieval, and reporting for the different Service Units. Data and reports generated in CEDAR are also accessible to various levels of management within the ATO. CEDAR automates many processes and streamlines many functions that managers currently use to execute their responsibilities as described in FAA Orders 7210.3, *Facility Operation and Administration*; 7210.56, *Air Traffic Quality Assurance*; and 3120.4, *Air Traffic Technical Training*.
* TARP Plus: Automated detection of single aircraft events in the NAS in partnership with MITRE utilizing threaded track and the Leviathan algorithm.
* QuickLook Lead Developer: IPAD application that allowed the review of EORs and Live playback of NOP data. (No longer supported)

# Accolades

* Department of Transportation Safety Award 2013
* Corona National Ambassador
* SCI 1 recipient past 10 years

# Programming Languages

* VB.Net
* C#
* Geographical Information Systems
* Windows Presentation Foundation (WPF)
* Windows Communication Foundation (WCF)
* High Volume Oracle 11G databases
* Oracle SQL Loader
* JAVA
* Corona

# Education

## Bachelor of Science, Chemistry Emporia State University January 1982 to June 1986

# Skills

Experience developing and deploying software on the National Airspace System (NAS), developing and deploying software on the FAA Missions Support Network, combined with 25 years air traffic experience has led to a deep understanding of the data that drives the FAA systems.

I, David L. Wismer, certify that to the best of my knowledge all information provided in this resume is truthful and correct.

