Software Requirements Specification

Organizational/Legal Requirements:

- Full featured database with ability to support searching for, as well as adding/editing seizure records
- Must abide by various Federal Regulations:
    - Records must be removed after 5 year inactivity.
    - Records cannot be deleted by person, only appended to.
    - Security/Access control must be put in place to safeguard information.
- System must be:
    - User friendly
    - Intuitive
    - Secure
- Must support around 15 users at once.
- Must be capable of maintain a few hundred thousand records.
- Records are only resfreshed once they are accessed by a user.

Assumptions:

- Virtual Personal Network is already in place and additional login is not required on application end.
- A backup system is already in place capable of meeting Federal Regulations.
- HIDTA will provide a technical administrator capable of installing and operating the application on their Windows servers.

Database Requirements:

- Must contain data table support for all fields included on the Siezure Report.
- The fields to be included for the seizure report are:
    - Name
    - Picture
    - DOB
    - Social Security Number
    - Address
    - Driver's license number
    - FBI number
    - Nationality
    - Description
    - Moniker – alias
    - Connections to drug organizations
    - Location of event
    - State
    - Address

- Origin and destination
- Vehicle Information
  - License Plate
  - Make and Model
  - Color
  - Registration Info
- Phone downloads -pics, contacts, phone info, call history, messages, etc
- Reasonable suspicion
- Did you follow all policies and procedures in obtaining the info. (if so it's illegal info)

- Please refer to the ERD Diagram below for full database requirements:

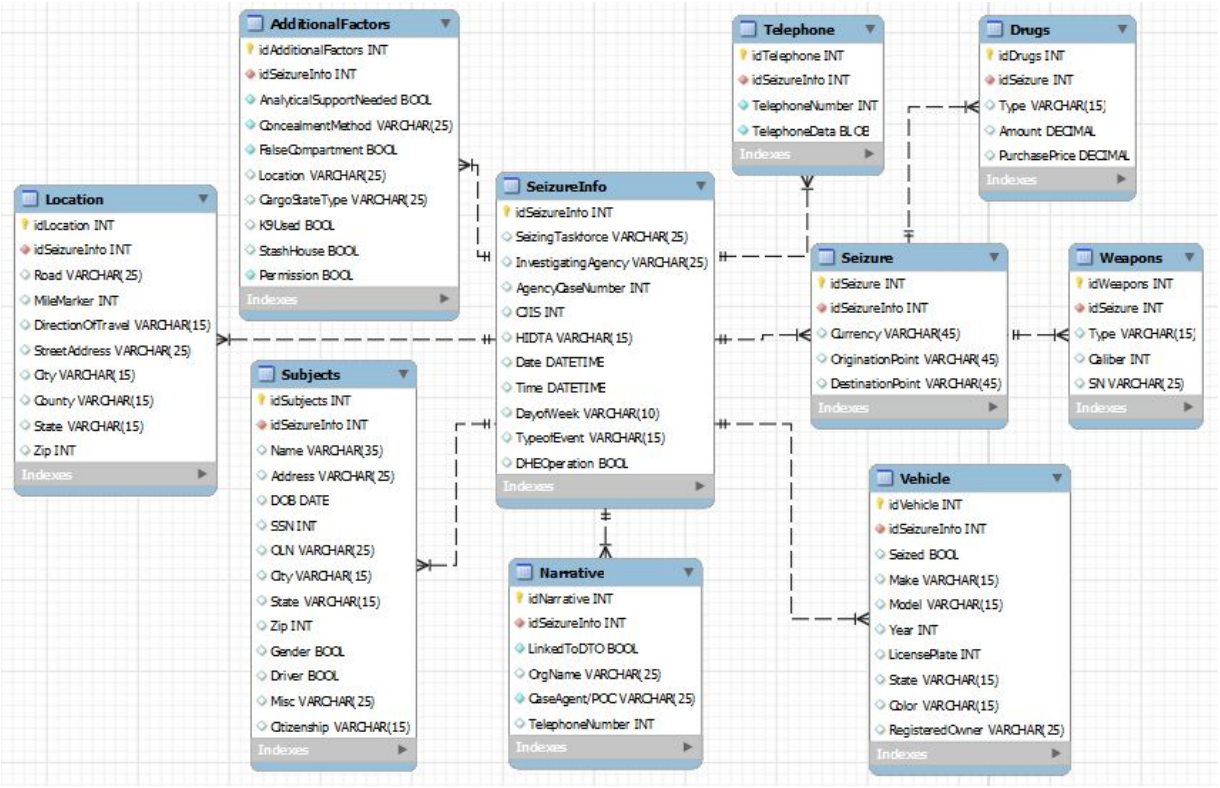

Figure 1. NMHIDTA Database ERD Diagram

User Requirements:

- General user requirements:
  - Super easy to use
  - Steps in entering and accessing info must be a minimum
  - Must be searchable
  - Author: person who generated the info
  - "Refresh this Record" button, signifying they're suspect again.
  - Can't collect info regarding political or religious views, unless it contributes to an example to criminal activity. Views + criminal activity, allows you to record the views. Otherwise you can't record the views.
  - Web interface, accessed from multiple locations

    - Think about drop downs/easy entering where applicable. The type of drug, etc.
    - Maybe a multi-tabbed view
    - Audit trail needs to exist as long as the related record is in the system.
    - Each user needs a unique identity with authentication.
    - Servers and IT stuff is in Las Cruces. Info accessible from anywhere.
    - Documentation and Tutorial
- There should be two types of users
    - Database entry user
    - Administrator
- Database entry person has the ability to:
    - Add/Edit records
    - Append to records
    - Search the database
- Administrator has the ability to:
    - Add/remove admin privileges
    - View the Audit Trail
    - View structure of entire database

Access Requirements:

- Application should only be accessable by authorized users in the VPN.
- The ability to add and edit entries should only be available to Data Entry users.
- When the database is accessed information to be recorded includes:
    - Who entered it
    - Who viewed it
    - Where was the information entered/viewed
    - When was it accessed
    - Why was it accessed
- An Audit Trail should be put in place to record the access information and include the following features:
    - Added authentication is needed for accessing audit trail
    - Access will be restricted to those with administrator privileges
    - Requirements for audit trail include:
        - Store original report creator
        - Store date/time of original report
        - Create log of report access
            - Store who views it
            - Store when date/time of view
        - Create log of report modifications
            - Store who makes changes
            - Store what changes are made
            - Store when changes are made