IRG AI
An ACS Group Company

Missouri State Highway Patrol

OCN Query Application

Detailed Requirements Specification

Version 1.3

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Table of Contents

1 Document Description

1.1 Intent

This document serves as the requirements specification for the Missouri Offense Cycle Number (OCN) Query Application. The document is intended to facilitate common understanding of the application functionality among stakeholders, as well as provide a functional specification for further design work by architects and developers.

Upon acceptance by all stakeholders, this document will serve as the baseline requirements specification for the duration of the software development lifecycle. As such, any modifications to this specification will be subject to the change control process described in the master project plan.

1.2 Executive Summary

To provide Prosecutors using Case Management Systems the ability to query the files of the Missouri Computerized Criminal History (CCH) System to retrieve and import arrest information.

This service will provide business value to all criminal justice agencies by expanding the sharing of criminal history information and ensuring that OCN's are captured and shared correctly. In particular this service will provide business value to Prosecutors by ensuring that they have access to the necessary arrest information to file charges in a timely manner.

1.3 Overview

Missouri Prosecutors report that on average Missouri law-enforcement agencies only submit OCNs on 50% of their referrals for prosecution. When this OCN is not shared with the prosecutor in an accurate/timely manner, then the criminal history available within the repository remains incomplete. Through internal meetings and National Center for State Courts/SEARCH training sessions an OCN Query approach has been identified. Since the repository receives 88% of arrest information electronically via live scan device, the vast majority of OCN that are not in the Prosecutors' system exists in CCH when the prosecutor receives the referral.

Using this OCN Query, if a Prosecutor was not provided an OCN – by law enforcement, the Prosecutor could query Missouri Uniform Law Enforcement System (MULES)/CCH for OCN/arrest data thus ensuring record completeness. An added benefit of this query would be that Prosecutors could import the OCN and other pertinent arrest data directly into their Case Management system thus automating a data entry process. In addition, a web portal will also be built for those prosecutors that do not have a standardized interface to this system but would still like the ability to query and receive this information from a secure website.

This service will provide the most benefit to Prosecutors when the arrest information reported by law-enforcement is submitted electronically to the state repository via live scan device. Arrests not reported

by live scan device will still be accessible, however, there will be a delay between the arrest and its receipt and entry into repository files.

1.4 Project Vision & Scope

1.4.1 Vision

The OCN Query project is part of the Missouri State Highway Patrol's strategic plan to increase the information sharing of OCN information to increase criminal history completeness . At a high-level, the roadmap calls for the implementation of a user interface to support the following goals:

- Increase the number of prosecutor and/or court dispositions reported to the repository that can be linked by OCN to a criminal arrest.
- Give users the ability to import arrest information into their Case Management System via National Information Exchange Model (NIEM) or Comma Separated Values (CSV) file thereby greatly reducing the amount of time required to enter a case.
- Provide two avenues for users to retrieve OCN information: 1) via user interface; and 2) via system to system interface.

1.4.2 Scope

The initial scope of this project is limited to an interface that would allow Prosecutors to query arrest information from the CCH. This query would not return any other sort of criminal history information. In addition, the initial scope of this project is primarily for a Prosecutor Query; however, an eye will be kept toward uses for the Courts as well.

This query capability will include a user interface to query and view OCN information and a system-to-system interface that can be queried programmatically from the prosecutor's software that is compatible with system-to-system interface developed in this project.

1.5 Information Description

The User Interface component of the OCN Query will allow users to query the Missouri CCH and return the results on screen, with the option of downloading the result to a CSV or NIEM file. Meanwhile, the system to system interface component of this application would accomplish the same result without requiring the user interface but instead exchanging the information with an external case management system. While no information will be directly stored within the application itself, all information will be indirectly stored via a logging mechanism that will track specific data related to each query and result. All data stored in these logs will be purged according to the schedule dictated by CJIS Security Policy.

All data exchanged via both the user interface and system to system interface must be considered as highly sensitive criminal justice information containing both closed records and Personal Identifiable Information and so must meet all CJIS Security Requirements related to information privacy.

1.6 Functional Areas

1.6.1 Web Browser Interface

The user interface for the OCN Query will be via web browser. This interface will provide the mechanism for users to search, view, and export query results.

1.6.2 System to System Interface

Prosecutor personnel have indicated that a direct system to system interface between user case management systems and the Missouri CCH would be beneficial for the retrieval and import of OCN and arrest data. As part of this project, this OCN Query will provide a NIEM conformant interface for user case management systems to connect to, authenticate, query, and retrieve OCN data in a manner compliant with CJIS Security Requirements.

1.6.3 Reporting

As part of the OCN Query project a number of pre-defined reports will be created to support the system to include information on users/queries. These reports will be accessible by authorized personnel using the predetermined Missouri State Highway Patrol report application that is separate from the OCN Query System described in this document.

2 User Profile

The following user profiles have been identified for the OCN application:

- **Prosecutors**: OCN search functionality using the user interface.
- **Prosecutor Agency Staff**: OCN search functionality using the user interface.
- **Authorized MSHP Report Users** Access reports using the MSHP Report Application.

3 Functional Requirements

Req-ID	Description	Type	Status
R-01	The application must authenticate via the Missouri State Highway Patrol Federated Identity Management/RSA application via username and password and password question (if required). A mechanism must be provided to ensure the security of passwords while in transit.	Existing	Approved
R-02	The application must provide a user interface screen that allows an authorized user to search by OCN or demographic data (see 4.3.7 for allowable fields to search).	New	Approved
R-03	The OCN Search Page shall display an appropriate use warning per security policy.	New	Approved
R-04	The Result Page shall display the original query, followed by the result(s) of that query.	New	Approved

R-05	If the result of the query returns 0 matches a standard no result found message shall be displayed.	New	Approved
R-06	If the result of the query returns 1 match, a Full Query Response shall be displayed that includes all data elements indicated in 4.3.9	New	Approved
R-07	If the result of the query returns more than 1 match, a Library Query Response shall be displayed that includes a sub-set of the data elements of the Full Query Response as indicated in 4.3.9	New	Approved
R-08	If a Library Query Response is returned, the user shall have a method of selecting one of the results returned in the Library and requesting a Full Query Response on the selected record.	New	Approved
R-09	Once a Full Query Response is returned, the user shall have the option to download the fields contained in the Full Query Response via both a NIEM conformant file and a CSV file.	New	Approved
R-10	The OCN Query application shall automatically log a user out after a configurable amount of time of inactivity as dictated by the Web Portal or Security Policy.	New	Approved
R-11	The OCN Query application shall have the ability for an external case management system to conduct a query via system to system interface.	New	Approved
R-12	The system to system interface shall abide by NIEM requirements (as dictated by the NCSC Grant Program).	New	Approved
R-13	The system to system interface shall return a standard no result found response if the result of the query returns 0 matches.	New	Approved
R-14	The system to system interface shall return a Full Query Response on the selected record if the result of the query returns 1 match.	New	Approved
R-15	The system to system interface shall return a Library Response if the result of the query returns more than 1 match.	New	Approved
R-16	The system to system interface and the User interface shall have the ability to send back a generic error message if a transaction cannot be completed for whatever reason (Criminal History System is down, etc.)	New	Approved
R-17	The OCN Query shall have a log-out option, either as part of the application itself or linking back to the MSHP web portal.	New	Approved
R-18	Both the User Interface and the System to System interface shall log all log-in/log-out, search, result, and download information and associate the information with the user's identity for security purposes.	New	Approved

Commented [A1]: Does the audit log system exist currently? If not this may need a better definition for what is required of audit logging.

While the method design for how this info will be logged will be different, the requirement to log all info remains the same as the legacy audit log procedure.

4 Business Use Cases

4.1 Use Case 1 – User Login

4.1.1 Objective

Permit an OCN user to authenticate using the user interface in order to gain access to the OCN application.

4.1.2 Primary Actors

- OCN Internal User
- Identity Provider
- Archive

4.1.3 Preconditions

- User is registered with the MSHP Portal for access to the OCN user interface.

4.1.4 Trigger

User accesses the MSHP Portal/OCN user interface for the first time or user is inactive within the application for a predetermined amount of time.

4.1.5 Primary Process Flow

If the actor is registered for access to the OCN user interface then the Identity Provider will authorize the user.

4.1.6 Alternate Process Flow 1

If is not registered for access to the OCN user interface then the Identity Provider will not authorize the user.

4.1.7 Input Data

All Input Data will take place within the Identity Provider.

4.1.8 Business Rules

The following business rules apply to user authentication:

- The OCN application will adhere to the MSHP security policy.
- Users are automatically logged out after a predetermined amount of inactivity.

4.1.9 Results

Upon successful login, the user is redirected to the search page of the OCN user interface. A log entry including the username and current time must be written to the appropriate audit log within the database.

4.1.10 Requirements Referenced

This use case references the following requirements:

- R-01
- R-10
- R-18

4.2 Use Case 2 – OCN Search Page

4.2.1 Objective

Permit an OCN user to search for a specific arrest record based on OCN or demographic information.

4.2.2 Primary Actors

- OCN Authorized User
- Criminal History System
- Archive

4.2.3 Preconditions

- User is logged in to the OCN application and has navigated to the OCN Query Page.

4.2.4 Trigger

User enters their search criteria and initiating a search.

4.2.5 Primary Process Flow

Upon attempting to access the OCN user interface, the actor is presented with a search form. The form must provide a means to supply an exact OCN. After entering the OCN information and submitting the form, the search is performed. In the event of a single result, the Full Query Response is displayed. In the event of 0 results, the standard No Result Found response will be displayed. The information queried and the results of the query should be logged in the appropriate data log.

4.2.6 Alternate Process Flow 1

If the actor does not have an exact OCN, the user must provide demographic search criteria on the search form. In the event of a single result, the Full Query Response is displayed. In the event of multiple results the Library Response is displayed. In the event of 0 results, the standard No Result Found response is displayed. The information queried and the results of the query should be logged in the appropriate data log.

4.2.7 Input Data

4.2.7.1 Input Data OCN Search

- OCN - 8 Alpha/Num (required)

4.2.7.2 Input Data Demographic Search

A search will be performed on any of the following entered parameters using "And" logic. (Date of Birth and SSN are conditional in that one or the other is required.)

- Subject's First Name - 10 Alpha (required)
- Subject's Last Name - 16 Alpha (required)
- Soundex Indicator - 1 Alpha
- Subject's Date of Birth - 8 Num
- DOB Plus or Minus One Year Indicator - 1 Alpha (conditional)
- Subject's SSN - 9 Num (conditional)
- Subject's Arrest County - 3 Num
- Subject's Date of Arrest - 8 Num (this would also serve as the low date if searching by arrest date range)
- Subject's Date of Arrest (high date) - 8 Num
- Subject's Date of Offense - 8 Num (this would also serve as the low date if searching by offense date range)
- Subject's Date of Offense (high date) - 8 Num
- Subject's OCA - 20 Alpha/Num
- Subject's Local ID Number - 8 Alpha/Num
- Subject's Warrant Number - 15 Alpha/Num

Field validations shall be performed on:

- Date of Birth
- Date of Arrest
- Date of Offense

Search Functionality:

- A search will be performed using "And"
- Only exact searches will be performed (except for date range and soundex, if selected). Wild cards and fuzzy searches are not supported at this time.

4.2.8 Business Rules

After entering the OCN information and submitting the form, the search is performed. In the event of a single result, the Full Query Response is displayed. In the event of multiple results, the Library Query Response will be displayed. Lastly, in the event of 0 results, a standard no result found message will be displayed.

The OCN Search Page should also display an appropriate use warning per security policy.

The result page shall display the original query, followed by the result of that query.

4.2.9 Results

Library Query Response

- OCN - 8 Alpha/Num
- Date of Arrest - 8 Num
- Arrest ORI - 9 Alpha/Num
- Arrest County - 3 Num
- Subject First Name - 10 Alpha
- Subject Last Name - 16 Alpha
- Subject Middle Name - 10 Alpha
- Subject DOB - 8 Num
- Subject SSN - 9 Num
- Subject Sex - 1 Alpha
- Subject Race - 1 Alpha
- Subject OCA - 20 Alpha/Num
- Subject Local ID - 8 Alpha/Num
- Subject Warrant Number(s) - 15 Alpha/Num

Full Query Response

- OCN - 8 Alpha/Num
- SID - 10 Num
- FBI Number - 9 Alpha/Num
- Date of Arrest - 8 Num
- Arrest ORI - 9 Alpha/Num
- OCA - 20 Alpha/Num
- Arrest County - 3 Num
- Photo on File Indicator - 1 Alpha
- Photo Location - 20 Alpha/Num
- Palm Print on File Indicator - 1 Alpha
- Date FP Taken - 8 Num
- Date FP Received - 8 Num
- Local ID# - 9 Alpha/Num
- Firearm Possession Indicator - 1 Alpha
- First Name - 10 Alpha
- Last Name - 16 Alpha
- Middle Name - 10 Alpha
- Alias First Name - 10 Alpha
- Alias Last Name - 16 Alpha

- Alias Middle Name - 10 Alpha
- DOB - 8 Num
- Alias DOB - 8 Num
- SSN - 8 Num
- Alias SSN - 8 Num
- MNU - 14 Alpha/Num/Special
- SMT's - 10 Alpha/Num/Special
- Sex - 1 Alpha
- Race - 1 Alpha
- Height - 3 Num
- Weight - 3 Num
- Eye Color - 3 Alpha
- Hair Color - 3 Alpha
- Skin Tone - 3 Alpha
- Residence Street - 25 Alpha/Num/Special
- Residence City - 17 Alpha/Num/Special
- Residence State - 2 Alpha
- Residence Zip - 9 Num
- Employer/School Name - 21 Alpha/Num/Special
- Employer/School Address - 17 Alpha/Num/Special
- Employer/School City - 15 Alpha/Special
- Employer/School State - 15 Alpha

Standard No Result Found Response

4.2.10 Requirements Referenced

This use case references the following requirements:

- R-02
- R-03
- R-04
- R-05
- R-06
- R-07
- R-18

4.3 Use Case 3 – User Selects Item from Library Response

4.3.1 Objective

Allow a user to retrieve result details from a library search response.

4.3.2 Primary Actors

- OCN Authorized User
- Criminal History System
- Archive

4.3.3 Preconditions

- User has performed a successful search but received a multiple search response (library response).

4.3.4 Trigger

User selects an item on which the details are to be displayed.

4.3.5 Primary Process Flow

After viewing the Library Results, the user selects an item from the Library list and the Full Query Response will be displayed.

4.3.6 Input Data

The item is selected from the Library Result list by OCN.

4.3.7 Business Rules

Upon selection of the OCN from the Library Response, the system will display a Full Query Response for the OCN selected.

The result page shall display the original query, followed by the result of that query.

4.3.8 Results

Full Query Response

- OCN - 8 Alpha/Num
- SID - 10 Num
- FBI Number - 9 Alpha/Num
- Date of Arrest - 8 Num
- Arrest ORI - 9 Alpha/Num
- OCA - 20 Alpha/Num
- Arrest County - 3 Num
- Photo on File Indicator - 1 Alpha
- Photo Location - 20 Alpha/Num
- Palm Print on File Indicator - 1 Alpha
- Date FP Taken - 8 Num
- Date FP Received - 8 Num
- Local ID# - 9 Alpha/Num
- Firearm Possession Indicator - 1 Alpha

- First Name - 10 Alpha
- Last Name - 16 Alpha
- Middle Name - 10 Alpha
- Alias First Name - 10 Alpha
- Alias Last Name - 16 Alpha
- Alias Middle Name - 10 Alpha
- DOB - 8 Num
- Alias DOB - 8 Num
- SSN - 8 Num
- Alias SSN - 8 Num
- MNU - 14 Alpha/Num/Special
- SMT's - 10 Alpha/Num/Special
- Sex - 1 Alpha
- Race - 1 Alpha
- Height - 3 Num
- Weight - 3 Num
- Eye Color - 3 Alpha
- Hair Color - 3 Alpha
- Skin Tone - 3 Alpha
- Residence Street - 25 Alpha/Num/Special
- Residence City - 17 Alpha/Num/Special
- Residence State - 2 Alpha
- Residence Zip - 9 Num
- Employer/School Name - 21 Alpha/Num/Special
- Employer/School Address - 17 Alpha/Num/Special
- Employer/School City - 15 Alpha/Special
- Employer/School State - 15 Alpha

4.3.9 Requirements Referenced

This use case references the following requirements:

- R-02
- R-07
- R-08
- R-18

4.4 Use Case 4 – Download Full Query Response Results

4.4.1 Objective

Allow a user to download the results of the Full Query Response. The user shall have the option to download these results in either CSV or NIEM format.

Commented [A2]: Do these files contain any sensitive data that will need to be encrypted?

As a requirement to use this application, all users will have to abide by CJIS Security Requirements concerning access in a Secure Location. Because of this the download will not need to be encrypted.

4.4.2 Primary Actors

- OCN Authorized User
- OCN Authorized User's Case Management System
- Archive

4.4.3 Preconditions

- User has performed a successful search that resulted in a Full Query Response.

4.4.4 Trigger

- The user determines where they would like to download the results in NIEM or CSV format.

4.4.5 Primary Process Flow

If the user is exporting the results to a case management system that is configured to read NIEM conformant files then the user will click the 'export results' icon and choose NIEM format. This will prompt the user to save the results to a location on their PC.

4.4.6 Alternate Process Flow 1

If the user is exporting the results to a case management system that is not configured to read NIEM conformant files then the user will click the 'export results' icon and choose CSV format. This will prompt the user to save the results to a location on their PC.

4.4.7 Input Data

The following input parameters must be available to the user when requesting the results to be downloaded:

- Export Results Option
  - Option to export in NIEM Format
  - Option to export in CSV Format

4.4.8 Business Rules

The following business rules apply when generating the NIEM or CSV file to be exported:

- The report should include all available fields from the Full Response Query

4.4.9 Results

After initiating the download the system should prompt the user where the results should be downloaded to. Additionally an entry must be written to the appropriate data log containing the identifying information associated with the user as well as the Full Response Query information that was downloaded.

4.4.10 Requirements Referenced

This use case references the following requirements:

- R-09
- R-18

4.5 Use Case 5 – System to System Interface Query

4.5.1 Objective

Permit an OCN user to conduct a system to system interface query for a specific arrest record based on OCN or demographic information.

4.5.2 Primary Actors

- OCN Authorized User
- Criminal History System
- OCN Authorized User's Case Management System

4.5.3 Preconditions

- User's Case Management System is interfaced with the Prosecutor Query application.
- User's Case Management System meets all security requirements as determined by CJIS Security Policy and can authenticate with the MSHP Federated Identity Management/RSA application.

4.5.4 Trigger

User submits search criteria from their Case Management System to the OCN Query Application.

4.5.5 Primary Process Flow

After entering the OCN information into the user case management system a system to system search is performed. In the event of a single result, the Full Query Response will be returned to the user's case management system. In the event of multiple results, the Library Query Response will be returned to the user's case management system. The information queried and the results of the query should be logged in the appropriate data log.

If the transaction submitted by the user's system is invalid or contains errors an appropriate error message is generated and returned.

4.5.6 Alternate Process Flow 1

If the user does not have an exact OCN, the user must provide demographic search criteria. The remainder of the process flow is followed. The information queried and the results of the query should be logged in the appropriate data log.

If the transaction submitted by the user's system is invalid or contains errors an appropriate error message is generated and returned.

4.5.7 Input Data for query by OCN Only

If the user searches on OCN then only the OCN Field is required.

- OCN - 8 Alpha/Num

4.5.8 Input Data for query without OCN

If the user does not search by OCN, then a search will be performed on any of the following entered parameters using "And" logic. (Date of Birth and SSN are conditional in that one or the other is required.)

- Subject's First Name - 10 Alpha (required)
- Subject's Last Name - 16 Alpha (required)
- Soundex Indicator - 1 Alpha
- Subject's Date of Birth - 8 Num (conditional)
- DOB Plus or Minus One Year Indicator - 1 Alpha
- Subject's SSN - 9 Num (conditional)
- Subject's Arrest County - 3 Num
- Subject's Date of Arrest - 8 Num (this would also serve as the low date if searching by arrest date range)
- Subject's Date of Arrest (high date) - 8 Num
- Subject's Date of Offense - 8 Num (this would also serve as the low date if searching by offense date range)
- Subject's Date of Offense (high date) - 8 Num
- Subject's OCA - 20 Alpha/Num
- Subject's Local ID Number - 8 Alpha/Num
- Subject's Warrant Number - 15 Alpha/Num

Field validations shall be performed on:

- Date of Birth
- Date of Arrest
- Date of Offense

4.5.9 Business Rules

After entering the OCN information and submitting the transaction, the search is performed. In the event of a single result, the Full Query Response is returned. In the event of multiple results, the Library Query Response will be returned. Lastly, in the event of 0 results, a standard no result found message will be returned.

The System to System Interface would utilize NIEM Standards pursuant to the NCSC Grant.

4.5.10   Results

Library Query Response

- OCN - 8 Alpha/Num
- Date of Arrest - 8 Num
- Arrest ORI - 9 Alpha/Num
- Arrest County - 3 Num
- Subject First Name - 10 Alpha
- Subject Last Name - 16 Alpha
- Subject Middle Name - 10 Alpha
- Subject DOB - 8 Num
- Subject SSN - 9 Num
- Subject Sex - 1 Alpha
- Subject Race - 1 Alpha
- Subject OCA - 20 Alpha/Num
- Subject Local ID - 8 Alpha/Num
- Subject Warrant Number(s) - 15 Alpha/Num

Full Query Response

- OCN - 8 Alpha/Num
- SID - 10 Num
- FBI Number - 9 Alpha/Num
- Date of Arrest - 8 Num
- Arrest ORI - 9 Alpha/Num
- OCA - 20 Alpha/Num
- Arrest County - 3 Num
- Photo on File Indicator - 1 Alpha
- Photo Location - 20 Alpha/Num
- Palm Print on File Indicator - 1 Alpha
- Date FP Taken - 8 Num
- Date FP Received - 8 Num
- Local ID# - 9 Alpha/Num
- Firearm Possession Indicator - 1 Alpha
- First Name - 10 Alpha
- Last Name - 16 Alpha
- Middle Name - 10 Alpha
- Alias First Name - 10 Alpha
- Alias Last Name - 16 Alpha
- Alias Middle Name - 10 Alpha
- DOB - 8 Num

- Alias DOB - 8 Num
- SSN - 8 Num
- Alias SSN - 8 Num
- MNU - 14 Alpha/Num/Special
- SMT's - 10 Alpha/Num/Special
- Sex - 1 Alpha
- Race - 1 Alpha
- Height - 3 Num
- Weight - 3 Num
- Eye Color - 3 Alpha
- Hair Color - 3 Alpha
- Skin Tone - 3 Alpha
- Residence Street - 25 Alpha/Num/Special
- Residence City - 17 Alpha/Num/Special
- Residence State - 2 Alpha
- Residence Zip - 9 Num
- Employer/School Name - 21 Alpha/Num/Special
- Employer/School Address - 17 Alpha/Num/Special
- Employer/School City - 15 Alpha/Special
- Employer/School State - 15 Alpha

Standard No Result Found Response

4.5.11 Requirements Referenced

This use case references the following requirements:

- R-01
- R-11
- R-12
- R-13
- R-14
- R-15
- R-16
- R-18

4.6 Use Case 7 – User Logout

4.6.1 Objective

Permit an OCN user to log-out/close the session with the Prosecutor Query user interface.

4.6.2 Primary Actors

- OCN Internal User
- Identity Provider
- Archive

4.6.3 Preconditions

- User is registered with the MSHP Portal for access to the OCN user interface.

4.6.4 Trigger

User is finished accessing the OCN Query user interface and closes the session.

4.6.5 Primary Process Flow

After accessing the OCN user interface, the actor has completed all queries and wishes to log-out of the MSHP Portal completely. The option to log-out of the MSHP Portal and completely close the session shall be available. The log-out of the system shall be logged in the appropriate data logs.

4.6.6 Alternate Process Flow 1

After accessing the OCN user interface, the actor has completed all queries and wishes to return to the MSHP Portal homepage. The option to return to the MSHP Portal Homepage shall be available.

4.6.7 Alternate Process Flow 2

After accessing the OCN user interface, the actor has completed all queries but leaves the user interface up and inactive for an extended period of time. The user interface/MSHP Portal shall automatically log the user out of the system after a configurable amount of time. The log-out of the system shall be logged in the appropriate data logs.

4.6.8 Input Data

For the Primary Process Flow and Alternate Process Flow 1 the user must choose one the following transactions:

- Log-Out of the MSHP Web Portal
- Return to the MSHP Web Portal Homepage

4.6.9 Business Rules

The following business rules apply to user log-out:

- The OCN application will adhere to the MSHP security policy.
- Users are automatically logged out after a predetermined amount of inactivity.
- Users are logged out after choosing the option to log-out.
- Users are returned to the MSHP Web Portal Homepage after choosing the option to return to Home.

4.6.10 Results

Upon successful logout, the user is redirected to the log-in page. A log entry including the username and current time must be written to the appropriate audit log within the database.

4.6.11 Requirements Referenced

This use case references the following requirements:

- R-01
- R-10
- R-17
- R-18

5 User Interface Areas

The following user interface areas have been identified for the OCN Query application:

- Login Screen (as a part of the MSHP Federated Identity Management/RSA application)
- Query Screen
- Search Results Screen
- Full Results Screen

Detailed user interface mockups will be created during the design phase of the project.

6 Reports

6.1 Query Summary Report

The Query Summary Report shall allow authorized MSHP users to select a date range. Once a date range is selected and the report queried the result shall be a listing of all users and the number of queries submitted during the selected date range.

The report must contain the following summary fields (columns):

- User-ID
- Number of Queries Submitted

Additionally, the report should include a calculated total of all queries at the bottom of the report.

6.2 Response Summary Report

The Response Summary Report shall allow authorized MSHP users to select a date range. Once a date range is selected and the report is queried the result shall be a listing of all users and the number of responses by type submitted during the selected date range.

The report must contain the following summary fields (columns):

- User-ID
- Number of Library Response Received
- Number of Full Query Responses Received

Additionally, the report should include a calculated total of all responses by type at the bottom of the report.

6.3 Download Summary Report

The Download Summary Report shall allow authorized MSHP users to select a date range. Once a date range is selected and the report queried the result shall be a listing of all users and the number of downloads retrieved by type during the selected date range.

The report must contain the following summary fields (columns):

- User-ID
- Number of CSV Files downloaded
- Number of NIEM Files downloaded

Additionally, the report should include a calculated total of all downloads at the bottom of the report.

7   Outstanding Items/Questions

The following have been identified as outstanding questions that require clarification:

- Need to determine which claim(s) would authorize access to the OCN application.
- Need to determine whether the security model for the Web Service interface will be the same as the Web based user interface.
- How will Prosecutor's connect to the web-service system to system interface?

8   Definitions

This section contains definitions of application or business specific terminology.

Acronym	Definition
OCN	Offense Cycle Number
MSHP	Missouri State Highway Patrol
SID	State Identification Number
SMT	Scar, Mark, or Tattoo
MNU	Miscellaneous Number
OCA	Originating Case Agency (number)
CCH	Computerized Criminal History

MULES	Missouri Uniform Law Enforcement System
MOPS	Missouri Office of Prosecution Services
NIEM	National Information Exchange Model
CSV	Comma Separated Value

9 Document History

The following table gives a record of major changes to the document. The version number listed does not include the revision number, which indicates minor version numbers.

| Version	Date	Author	Change
1.0	08/15/2014	J.D. Reece	Initial Draft Version
1.1	8/20/2014	J.D. Reece	Changes made to address ICTD Feedback
1.2	8/25/2014	J.D. Reece	Changes made to address feedback from IRG/AIC
1.3	8/27/2014	J.D. Reece	Final changes made to address further feedback from IRG/AIC.

10 Distribution History

Date	Distributor	Distribution List
08/15/2014	J.D. Reece	MSHP ICTD & MOPS
8/20/2014	J.D. Reece	MSHP ICTD & IRG/AIC
8/25/2014	J.D. Reece	MSHP ICTD & IRG/AIC

11 Attachments and References

Figure 1 - Overall Prosecutor Query Workflow:
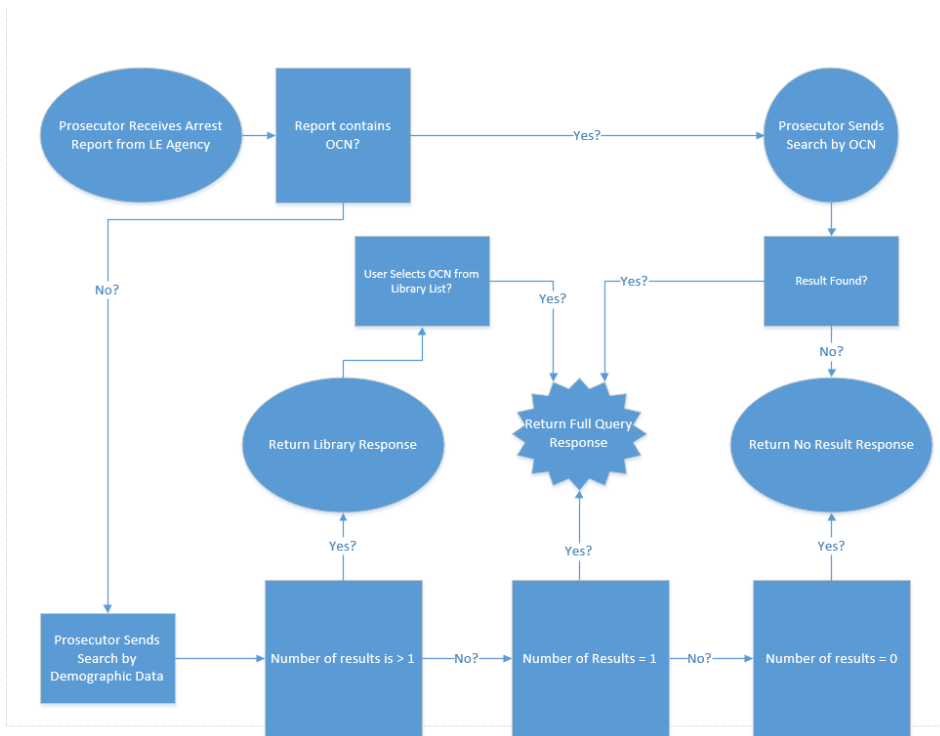
12 Acceptance

12.1 MSHP - CJIS Acceptance

Accepted by: _____

Date: ____/____/_____

Accepted by: _____

Date: ____/____/_____

12.2 MSHP - ICTD Acceptance

Accepted by: _____

Date: ____/____/_____

Accepted by: _____

Date: ____/____/_____

12.3 Missouri Office of Prosecution Services Acceptance

Accepted by: _____

Date: ____/____/_____

Accepted by: _____

Date: ____/____/_____