

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

Equipment and Procurement Division

REQUEST FOR PROPOSAL (RFP) NO. RFP-10-003H

Commercial Vehicle Information Exchange Window (CVIEW)

Proposals must be submitted  
**no later than 1:00 p.m. CDT**  
**November 17, 2009**

No submissions or modifications  
will be accepted after this deadline.

To constitute a valid submission, proposal must:

- (1) Be submitted by the prescribed date and time (§ 2.5),
- (2) Address all the requirements set forth herein,
- (3) Contain Page 44, completed as indicated.

For further information regarding this RFP, contact  
Danny Keene, Division Head  
AHTD Equipment and Procurement Division  
at 501-569-2672 or by email at [Danny.Keene@arkansashighways.com](mailto:Danny.Keene@arkansashighways.com)

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## ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

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Commercial Vehicle Information Exchange Window (CVIEW)

**Section 1.0 INTRODUCTION****1.1 Scope of Proposal**

The Arkansas State Highway and Transportation Department, hereinafter called “the Department” or “AHTD” is soliciting proposals for Commercial Vehicle Information Exchange Window (CVIEW), interfaced with state and national legacy systems, accessible for both manual and automated queries from roadside and deskside, and associated contractual maintenance services. The selected vendor will be required to customize or adapt a proven software system to meet Arkansas’s needs to support implementation of a state CVIEW to meet the requirements as set forth in Section 5 of this document.

The implemented CVIEW must meet all requirements for certification as CVISN-compliant by the Federal Motor Carrier Safety Administration (FMCSA). In addition, the implemented CVIEW must meet all data exchange requirements to satisfy the implementation requirements for FMCSA’s Performance and Registration Information Systems Management (PRISM) program, as well as the state-specific requirements set forth in Section 4.

The scope of work includes development, installation, testing, implementation, documentation, training, support and maintenance to meet the requirements as set forth in Section 4 of this document.

Vendors may propose an Arkansas-hosted or offeror-hosted solution for the Arkansas CVIEW, or both. The vendor’s proposal shall contain specifications for any hardware and supporting software required for CVIEW installation / operation in the AHTD or Department of Finance and Administration (DFA) site and cost for that hardware and supporting software. Prior to hardware and supporting software procurement, Arkansas will determine if the hardware and supporting software will be acquired by the state of Arkansas, or by the selected vendor.

An executable copy of the source code and related documentation must be held in escrow for the State of Arkansas, in the event that the successful Offeror ceases to support the product.

**1.2 Goals**

Presently, Arkansas’ Department of Finance and Administration (DFA) operates a vendor-licensed CVIEW that was implemented to support PRISM processes for the DFA IRP system. This CVIEW, as currently deployed by Arkansas, provides data for PRISM processes and uploads IRP and IFTA data to SAFER. The CVIEW also has a user interface available on the web to provide a limited interface for USDOT and plate/VIN queries to locate and view data in the CVIEW system. The Arkansas CVIEW is interfaced with SAFER and downloads all transaction sets with the exception of the transponder transaction set (T0029V2) and UCR data.

Arkansas is now seeking to implement CVIEW capabilities to fully address CVISN, PRISM and additional state-specific requirements, including capabilities to support IRP, IFTA and OS/OW credentialing and permitting processes as well as capabilities to support data access needs for roadside enforcement and inspection selection decisions..

The CVIEW may be vendor-hosted, or Arkansas-hosted. An Arkansas hosted system may be located at either DFA or AHTD, the location to be determined by the state of Arkansas.

### 1.2.1 Optional Requirements

This RFP designates some requirements as “Optional”. “**Optional**” identifies requirement which at AHTD’s option, may be included in a contract negotiated with the successful offeror, which may be completed under an extension to the contract negotiated with the successful offeror, or which the State may elect not to implement.

Offerors should provide technical details, implementation approach information, and costs, for all requirements listed as “Optional”, just as for mandatory requirements. AHTD will consider the information provided by the selected offeror to determine if AHTD will request the selected vendor to implement the “Optional” requirement. Should AHTD request implementation of an “Optional” requirement, the implementation approach, technical details, and cost quoted in the negotiated contract for the “Optional” requirement will be deemed contractually binding.

### 1.2.2 Possible Future Enhancements

This RFP designates some requirements as “Possible Future Enhancements”. A Possible Future Enhancement indicates that the requirement may be requested by AHTD at a future date under a Software Change Order. Offerors are not required to provide technical details, implementation approach information or costs in their responses for requirements listed as Possible Future Enhancements.

### 1.2.3 Interfaces

The CVIEW will be interfaced with state and national legacy systems, to enable AHTD and DFA users to access credential and safety status information about commercial motor vehicles and motor carriers based in Arkansas, as well as in other states, Canada and Mexico.

The Arkansas CVIEW will be interfaced with the following systems:

#### *National Systems*

- 1 Safety and Fitness Electronic Record (SAFER), FMCSA
- 2 **Optional:** Query Central or Commercial Driver’s License Information System (CDLIS) for driver information
- 3 **Possible Future Enhancement:** Query Central for inspection data, International Border Crossing data, Crash data.

#### *State systems*

- 1 International Registration Plan (IRP) System, Department of Finance and Administration (DFA)
- 2 International Fuel Tax (IFTA) System, DFA
- 3 Intrastate Vehicle Registration System, DFA
- 4 OverSize/Overweight Permitting System, Arkansas Highway and Transportation Department (AHTD)
- 5 Unified Carrier Registration (UCR) System, DFA
- 6 **Possible Future Enhancement:** Arkansas Intrastate Authority System, AHTD
- 7 **Optional:** Weigh station system, AHTD
- 8 **Optional:** Arkansas Crime Information Center (ACIC). Note that ACIC accesses the National Crime Information Center for non-Arkansas based drivers and vehicles and the National Law Enforcement Telecommunications System (Nlets).
- 9 **Optional:** Arkansas Driver’s License System

Information regarding interface type, requirements, and related Arkansas system / network specifications are provided in Section 4 and referenced appendices.

### 1.2.4 Primary Objectives to Meet State Goals

This Request for Proposal identifies eight basic objectives necessary to meet the state’s goals:

- 1 The system offered will consist of a software package that is operational in at least two states, and which has been certified by FMCSA as CVISN-compliant. AHTD is not interested in a custom-built solution.
- 2 The selected vendor will provide implementation and customization services as necessary for the offered system to meet the CVISN, PRISM, and state-specific functional requirements and interface design described

- in Section 4 and referenced appendices of this RFP. State-specific and PRISM-related services will be identified and costed separately from the base (CVISN-compliant) system.
- 3 The selected vendor will provide the necessary system modifications to accommodate “pass / fail” queries as identified in Section 4, including manual queries from mobile patrol and weigh station officers.
  - 4 **Optional:** The selected vendor will provide the necessary system modifications and coordination with Arkansas ACIC switch for integrated queries from the roadside, using the CVIEW interface, and for automated queries from the Arkansas Weigh station system.
  - 5 The selected vendor will provide the necessary system modifications and coordination with Arkansas’ IRP vendor (with state vendor contact assistance) to accommodate system-to-system queries as identified in Section 4, to support IRP credentialing processes and related PRISM processes;
  - 6 The selected vendor will provide the necessary system modifications to accommodate system-to-system queries as identified in Section 4.
  - 7 The selected vendor will provide training services as specified to allow AHTD and DFA to train system administrators and general users on the new system.
  - 8 The project plan of the selected vendor will have limited reliance on Arkansas’ limited DFA and AHTD Information Services resources for programming and analysis.

### 1.3 Point of Contact

This RFP is issued by the AHTD Equipment and Procurement Division on behalf of the AHTD Highway Police Division.

Questions concerning this RFP should be addressed to:

Danny Keene, Division Head  
 Equipment and Procurement Division  
 Arkansas State Highway and Transportation Department  
 P. O. Box 2261  
 Little Rock, AR 72203  
 Phone: (501) 569-2672  
 Fax: (501) 569-2679

Inquiries may be referred to other Department employees for detailed answers or clarifications. Written inquiries are encouraged and will be responded to in writing. Oral communications shall not be binding on the Department and can in no way modify the terms, conditions, or specifications of this RFP or relieve the vendor of any obligations under any contract resulting from this RFP. Vendors are expected to raise any questions they have concerning the RFP document prior to the submission date and time. In the event that it becomes necessary to revise any part of this RFP, an Addendum containing the revisions will be issued to all recipients listed on the initial mailing list and posted on the AHTD website.

### 1.4 Vendor Qualifications

Proposals shall contain all pertinent data relating to the vendor’s organization, personnel, and experience that would substantiate its qualifications and capabilities to provide the systems, support, and training requested in this RFP. All information must be provided for the prime and any sub-contracting vendors. Vendors that do not provide the following information will be considered non-responsive and their proposals will be disqualified.

#### 1.4.1 **Details of Vendor Background:**

- 1.4.1.1 Full name, address, and telephone number of the organization.
- 1.4.1.2 Date established.
- 1.4.1.3 Ownership (public company, partnership, subsidiary, etc.)
- 1.4.1.4 Description of the company position in the industry.
- 1.4.1.5 The Department reserves the right to request general financial information.
- 1.4.1.6 Description of past and current litigation, if any, related to systems or services similar to those included in this proposal.

1.4.1.7 Provide the experience levels and areas of expertise of systems programmers that are to provide installation and/or proposed technical support services.

1.4.2 **Vendor Client Information:**

1.4.2.1 Provide the number of Department of Transportation clients and/or other State/Local Government clients that have purchased your products.

1.4.2.2 Provide the number of users of proposed systems you have in the USA.

1.4.2.3 References - The following type of customer references are preferred, if available: a Department of Transportation client, a state/local government client, or a client located within the State of Arkansas. The vendor shall provide the following descriptive items for at least three customers:

1.4.2.3.1 Company name, address, telephone number.

1.4.2.3.2 List of the systems and/or services the customer purchased.

1.4.2.3.3 Date/Dates the systems and/or services were purchased.

1.9.1.1.1 Contact reference: This reference shall include the names, current addresses and telephone numbers of at least two technical contacts. The vendor will ensure that this information (names, current address, and telephone numbers) has been verified within thirty (30) days prior to the Proposal Due Date.

Vendors and their key team members must have conducted a minimum of two (2) successful projects related to implementation of CVIEW systems. For this requirement, “conducted” means that the referenced projects have been completed and certified by FMCSA as CVISN-compliant. The Vendor and their key team members must have had primary responsibility for the various phases of the projects including analysis, process design, development, testing, and implementation. Proposals that do not reflect such experience will be rejected as non-responsive.

## 1.5 Legal Interpretation

This RFP and any resulting contract shall be governed by and construed in accordance with the laws of the State of Arkansas and in the courts situated in that State. Any contract resulting from this RFP, and any extension thereof, is subject to termination for non-availability of funds according to the provisions of A.C.A. ¶ 19-11-238.

## 1.6 Ethics

*“It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a State contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business.”* A.C.A. ¶ 19-11-708(a).

## 1.7 Acronyms

Definitions for acronyms used in this Request for Proposal are:

ACIC – Arkansas Crime Information Center  
 AHTD – Arkansas Highway and Transportation Department  
 AHP – Arkansas Highway Police  
 CVISN – Commercial Vehicle Information Systems and Networks  
 DFA – Department of Finance and Administration  
 FMCSA – Federal Motor Carrier Safety Administration  
 IFTA – International Fuel Tax Agreement  
 IRP – International Registration Plan  
 MCSAP – Motor Carrier Safety Assistance Program  
 NCIC – National Crime Information Center  
 Nlets – National Law Enforcement Telecommunication System  
 QC – Query Central  
 OCR – optical character recognition device  
 OS / OW – Oversize / Overweight  
 PRISM – Performance and Registration Information Systems Management

SAFER – Safety and Fitness Electronic Record (system)  
UCR – Unified Carrier Registration  
WIM – Weigh in Motion (scale)

## **Section 2.0 PREPARING AND SUBMITTING A PROPOSAL**

### **2.1 General Instructions**

The evaluation and selection of a vendor/vendors will be based on the information submitted in the proposal plus references and any required on-site visits or oral presentations. Failure to respond to each of the requirements in the RFP may be the basis for rejecting a response. In every case, the Department will be the sole judge as to whether a proposal has or has not met requirements set forth herein. Further, the Department will not entertain questions as to how it determined the particular needs expressed in this document. Elaborate proposals (e.g. expensive artwork) beyond that sufficient to present a complete and effective proposal are not necessary or desired.

### **2.2 Requirements**

This RFP includes requirements, listed in Section 4, which each vendor must address to make sure our evaluation team has a clear understanding of your proposal. You may include any additional information not covered by these requirements, designated as “Additional Information,” which you feel demonstrates your company’s superiority over your competitors. This RFP does not commit the Department to enter a contract for a CVIEW. Please address all requirements.

### **2.3 Technology Access Clause**

The Vendor expressly acknowledges that state funds may not be expended in connection with the purchase of information technology unless that system meets certain statutory requirements, in accordance with State of Arkansas technology policy standards, relating to accessibility by persons with visual impairments.

Accordingly, the Vendor represents and warrants to AHTD that the technology provided to AHTD for purchase is capable, either by virtue of features included within the technology or because it is readily adaptable by use with other technology, of:

1. providing equivalent access for effective use by both visual and nonvisual means;
2. presenting information, including prompts used for interactive communications, in formats intended for nonvisual use; and
3. after being made accessible, it can be integrated into networks for obtaining, retrieving, and disseminating information used by individuals who are not blind or visually impaired.

For purposes of this paragraph, the phrase "equivalent access" means a substantially similar ability to communicate with or make use of the technology, either directly by features incorporated within the technology or by other reasonable means such as assistive devices or services which would constitute reasonable accommodations under the Americans with Disabilities Act or similar state or federal laws. Examples of methods by which equivalent access may be provided include, but are not limited to, keyboard alternatives to mouse commands and other means of navigating graphical displays, and customizable display appearance.

If requested, the Vendor must provide a detailed plan for making this purchase accessible and/or a validation of concept demonstration.

Additional information may be found at [http://www.arkansas.gov/dfa/igs/igs\\_planning\\_accessibility.html](http://www.arkansas.gov/dfa/igs/igs_planning_accessibility.html).

#### 2.4 Incurring Costs

The Department is not liable for any cost incurred by vendors in replying to this RFP.

#### 2.5 Time and Place for Submission of Proposals

Vendors must submit an original proposal and an electronic copy in Adobe PDF format on Compact Disc (CD) of all materials required for acceptance of their proposal by **1:00 p.m. CDT, on: November 17, 2009**. The Department reserves the right to copy the hardcopy or electronic proposal for internal use only during evaluation process. RFP Number should be clearly marked on all packaging containing the proposal.

Mail To:

Arkansas State Highway and Transportation Department  
Equipment and Procurement Division  
P.O. Box 2261  
Little Rock, AR 72203

Deliver To:

Arkansas State Highway and Transportation Department  
Equipment and Procurement Division  
11302 W. Baseline Road  
Little Rock, AR 72209

## **2.6 Late Proposals**

Proposals received after the date and hour established are late proposals and are automatically disqualified. Late proposals will be returned.

## **2.7 Unsigned Proposals**

Section 6.1 of this RFP must be signed and included with proposal to constitute a valid proposal. Signature must be original (not stamped or photocopied) and in ink. Unsigned and improperly signed proposals will be automatically disqualified.

## **2.8 Withdrawing or Modifying Proposals**

Proposals may be withdrawn or modified at any time prior to the Proposal Closing date and time.

## **2.9 Assignment**

No contract resulting from this bid may be assigned, sold, or transferred without the express written consent of the Department.

## **2.10 Advertisement**

The vendor/contractor is prohibited from using any contract award or contract award information in any advertisement, including press releases, without the prior written consent of the Department.

## **2.11 Cancellation of Contract**

The Department reserves the right to cancel any award without recourse upon 60 days written notice to the vendor.

## **2.12 Default and Remedies**

Non-performance of contractual requirements or a material breach of any term or condition of this contract shall constitute cause for the Department to declare the vendor in default of the contract. The Department shall issue a written notice of default providing a period in which the vendor shall have an opportunity to cure said default. If the default remains after the vendor has been provided the opportunity to cure, the Department may terminate this contract and any related contracts or portions thereof and/or exercise any remedy provided by law.

## **2.13 Multiple Proposals**

Multiple proposals from a vendor will be permissible; however, each individual proposal must conform fully to the requirements for proposal submission.

## **2.14 Oral Presentations and Site Visits**

Selected vendors may be required to make oral presentations and/or arrange visits at client sites to supplement their proposals, if requested by the Department. The Department will make every reasonable attempt to schedule each presentation at a time and location that is agreeable to the vendor. Failure of a vendor to conduct a presentation on the date scheduled may result in rejection of the vendor's proposal.

## **2.15 Demonstrations**

Failure of any product(s) and/or service(s) to meet the Department's requirements during the demonstration may result in rejection of the vendor's proposal.

The successful demonstration of the vendor's processor, storage server, and/or services does not constitute acceptance by the Department. Any equipment furnished by the vendor for the purposes of this demonstration must be identical in every respect to those, which will be furnished if a contract results. Any exceptions must be noted in writing on company letterhead.

### **Section 3.0 TECHNICAL AND COST PROPOSAL REQUIREMENTS**

Offerors shall ensure that all information required herein is submitted with the proposal. Provision of inaccurate information or failure to provide all information required may be sufficient cause for rejection of the proposal or rescission of an award. Offerors should be mindful of the evaluation criteria that are indicated in Section 5 of this RFP and shall provide information in the proposal that will permit an objective evaluation thereof.

Offerors shall prepare the proposal clearly and concisely, addressing all appropriate points of this RFP. Offerors shall number proposal pages consecutively and address all requirements in the order presented in this RFP.

Proposals shall be typed and submitted on 8.5 by 11 inch paper and bound securely. Proposals shall include 3 packets as outlined below, including:

1. Packet 1 - Technical Proposal
2. Packet 2 - Price Proposal
3. Packet 3 - Response to Terms and Conditions

All references to *cost* should be restricted to **Packet 2 – Price Proposal**. Price proposals shall be provided in a separate, sealed envelope, labeled with Offeror name and “Price Proposal: Arkansas CVIEW System”

Any descriptions or discussions of functionality, software or services not requested by the state in this RFP should be restricted to PACKET 1, Section 7 Additional Information.

### **3.1 PACKET 1 – TECHNICAL PROPOSAL**

At a minimum, Packet 1 – Technical Proposal should include the following:

1. Transmittal Letter and Offer and Acceptance
2. Section 1 Corporate Background, Financial Information, and Qualifications
3. Section 2 Understanding of State's Requirements
4. Section 3 Detailed Project Plan
5. Section 4 Project Management Plan
6. Section 5 Project Staffing Plan
7. Section 6 Itemization of Software and Hardware Requirements
8. Section 7 Additional Information

The individual sections must be prepared according to the following instructions:

#### **3.1.1 Transmittal Letter / Offer and Acceptance**

The bidder will prepare a brief transmittal letter on business stationery. The letter must be signed in ink by an individual authorized to bind the Offeror to all statements in the proposal, including services and pricing good through May 21, 2010 (185 days from proposal opening). The original letter must accompany the original. A copy of the letter must accompany each copy of the proposal.

The transmittal letter must also provide a statement for each of the following:

1. Name of Offeror;
2. An itemization of all materials and enclosures submitted in response to this RFP;
3. The Offeror's federal tax identification number;
4. Indicate whether offering Arkansas-hosted, vendor-hosted or both.
5. A statement that the person signing this transmittal letter is the person in the Offeror's organization authorized to contractually obligate the Offeror, and that they have not participated in, and will not participate in, any action contrary to this RFP;

6. Identification of the name, title and phone number of the of the person authorized to negotiate the contract on behalf of the Offeror;
7. Acknowledgement of receipt of any and all amendments to this RFP received by the Offeror (if no amendments have been received, include a statement that none was received);
8. The Offeror may include other topics in the letter deemed appropriate

In addition to the transmittal letter, the Offeror must complete and include the Offer and Acceptance page. (See Section 6.0 of this RFP)

### **3.1.2 Section One--Corporate Background and Qualifications:**

This section will include information on the corporate background, financial information, and qualifications of the Offeror and any subcontractor(s) proposed.

The Offeror must describe any relationships with the State that either Offeror and/or its subcontractors may have or have had with the State over the last 36 months.

In this section, the Offeror should describe its experience and capabilities providing similar services to those required. The Offer must supply a list of related projects that can attest to the Offeror's experience and qualifications. An appropriate client contact person -- with contact name, organization name, current address and phone number -- must be included for each project. Projects listed must clearly identify any subcontractors and their role(s). The information the state has an interest in collecting includes but is not limited to:

1. time period of project
2. scope of project
3. total contract amount
4. scheduled milestones
5. actual completion dates of the milestones

The results of any reference checks will be provided to the Evaluation Committee and may be used in scoring the written proposal.

Section One should also include all information requested in Section 1.4 of this RFP.

### **3.1.3 Section Two—Response To State Requirements**

The Offeror will describe how the proposed solution will satisfy the state's requirements, including the key objectives described in Section 1.2 of this Document.

Include Section 4.2 Requirements Table(s), with codes marked as appropriate. Insert a new row below each requirements line of the table(s) where code marked by Offer is a "2" (Meets Requirement With Modification At No Additional Cost) or "3" (Meets Requirement With Modification At Additional Cost). In each new row, Offer should describe existing related functionality and customizations which will be provided to address each requirement.

No cost information should be provided in this section. Cost information should *only* be contained in Binder 2.

### **3.1.4 Section Three--Detailed Project Plan**

The Offeror shall develop a detailed Work Plan and Project Schedule that represents the Offeror's proposed approach to this project. The work description and project schedule shall describe key project phases, major activities and deliverables associated with each phase, expected duration of each phase, and duration of overall project from notice to proceed through final acceptance testing and project close-out. The Work Plan and Schedule shall clearly identify AHTD and DFA roles and responsibilities and their general timing.

Project phases should, at a minimum, address and incorporate the key milestones and activities listed below. Offerors are free to call out additional key milestones / activities, and can frame and sequence phases according to the Offeror's preferred project approach:

1. Base CVIEW system installation and certification for SAFER downloads
2. Requirements analysis and documentation for systems modification to meet Arkansas-specific requirements;
3. Design / implementation / testing of system modifications;

4. Interface design / development / implementation / testing for each interface specified in Section 4;
5. Certification for uploads to SAFER;
6. CVIEW user training;
7. Project closeout.

Arkansas' preferred schedule would be to close out the project in December of 2011 or earlier.

All goods and services should be clearly warranted. The Offeror will describe the warranties on all goods and services offered.

### **3.1.5 Section Four--Project Management Plan**

The offeror's approach to project management and the project's special considerations should be described. This section must include:

1. Methods of project status reporting
  - 1.1 The selected Offeror will produce monthly status reports and hold a twice monthly teleconference to discuss project status, needs, next steps, etc. Please provide a proposed sample status report as part of the response. The Offeror will modify this report template as required by the Department.
2. Interfaces testing – The selected offeror will perform unit testing and pair wise testing on all interfaces.
3. Internal quality control monitoring to produce deliverables
4. Sign-off procedures for completion of deliverables and major activities, including acceptance testing and CVIEW certification process for uploads / downloads to / from SAFER
5. Problem identification, recording and resolution
6. Assumptions and constraints in developing the management and work plans
7. Procedures for handling change orders (Note that Arkansas anticipates establishing a CVIEW Change Control Board (CCCB) to evaluate and approve / reject any changes to scope that could impact required functionality, budget, or schedule).

### **3.1.6 Section Five--Project Staffing Plan**

The Offeror's project team organization chart and descriptions of the functions to be performed by each position should be included. Identify the **key** staff your company will assign to fulfill the contract requirements, including:

1. Principal-in-Charge
2. Project Manager
3. Lead for requirements / design
4. Lead for software development / customization / testing
5. Lead for training / roll-out

Provide resumes describing the educational and related work experiences for these **key** staff.

Include descriptions of expected Arkansas state staff team size and composition, roles, and time commitment expectations.

Offeror project team members may directly or indirectly receive access to criminal justice information via the project. Project members may be required to pass a fingerprint background check. Project members who cannot pass this check will be ineligible to participate in the project.

### **3.1.7 Section Six -- Itemization of Software and Hardware Requirements and Related Maintenance**

The software and hardware requirements of the project should be discussed in this section. Offerors may propose an Arkansas hosted or vendor hosted solution for the Arkansas CVIEW, or both. An Arkansas hosted server system would consist of Offeror-supplied software residing on offeror-recommended hardware at the AHTD or DFA site, with a web based interface for user data entry and data viewing. The Offeror's proposal shall contain specifications for any hardware and supporting software required for installation in the AHTD/DFA site. Note that cost information for all hardware and software, including annual maintenance costs, should be included in Packet 2 – Price Proposal only.

Prior to hardware and supporting software procurement, Arkansas will determine if the hardware and supporting software will be acquired by the state of Arkansas, or by the selected vendor. The vendor, after contracted, is expected to work closely with AHTD and DFA in the selection and configuration of the hardware for the project.

This section must include:

**Arkansas-hosted application**

***Itemization of all software required for the project.***

1. Network operating system requirements and data communications requirements at the hosting site as well as requirements at other fixed facilities, weigh stations, and mobile patrol units to access the system.
2. Itemization of each software product (and versions) provided and / or required, including name, role in the system, license recommendations, any programming languages necessary for Arkansas' maintenance of the product or its interfaces, warranties, and software maintenance.
3. Recommended or required supporting software on the client, including databases and database version supported.
4. Application server software supported.
5. Server Operating System versions supported.
6. Java virtual machines, specialized fonts, or other supporting software required.
7. Performance loss (in %) for each additional client accessing the server or each additional dumb terminal accessing the host.
8. Recommended back-up processes, replication, mirroring, etc.

***Itemization of hardware recommended, including***

9. Minimum server hardware recommendations, and whether it is mandatory to dedicate any servers.
10. Minimum thin client hardware requirements.
11. Disk space estimate based on current SAFER data record volumes and requirements listed in this RFP.
12. Minimum browser requirements.
13. Specify any external cooling requirements or any other storage requirements.
14. Three-year maintenance is required on vendor-supplied hardware.

***Itemization of annual maintenance***

15. Sample annual CVIEW maintenance and support contract(s), exclusive of maintenance cost information.
16. Specify what is included in the annual maintenance contract, including but not limited to:
  - Technical support
  - Software / hardware upgrades
  - System functionality and interface enhancements in response to changing state needs and / or changes in national SAFER database or CVISN architecture requirements
  - Documentation, including updated technical manuals and user manuals
  - Other
17. Briefly describe strategy for CVIEW software and SAFER interface maintenance: how many updates are generally offered in a year; how often are new releases generally released; how are major system changes or new functionality selected and designed.
18. Include a statement that Year 1 Maintenance would begin subsequent to AHTD's acceptance of all mandatory requirements as outlined in this proposal **and** subsequent to Volpe certification of the CVIEW for SAFER uploads and downloads.

**Application Server Provider Approach (Vendor-hosted Solution)**

***Itemization of all software required for the project.***

1. Network operating system requirements and data communications requirements at the AHTD and DFA central sites as well as requirements at weigh stations and mobile patrol units to access the system.
2. Itemization of each software product (and versions) provided and / or required, including name, role in the system, license recommendations, any programming languages necessary for Arkansas' maintenance of the product or its interfaces, warranties, and software maintenance.
3. Performance loss (in %) for each additional client accessing the server or each additional dumb terminal accessing the host.

***Itemization of hardware recommended, including***

4. Minimum client or dumb terminal hardware requirements.
5. Minimum browser requirements.

***Itemization of annual maintenance***

6. Sample annual CVIEW maintenance and support contract(s), exclusive of maintenance cost information.
7. Specify what is included in the annual maintenance contract, including but not limited to:
  - Technical support
  - Software / hardware upgrades
  - System functionality and interface enhancements in response to changing state needs and / or changes in national SAFER database or CVISN architecture requirements
  - Documentation, including updated technical manuals and user manuals
  - Other
8. Describe your procedure for handling reported communications problems.
9. Describe method of allowing Arkansas technical personnel access to the CVIEW database for performing database queries and developing ad-hoc reports.
10. Briefly describe strategy for CVIEW software and SAFER interface maintenance: how many updates are generally offered in a year; how often are new releases generally released; how are major system changes or new functionality selected and designed?
11. Include a statement that Year 1 Maintenance would begin subsequent to AHTD acceptance of all mandatory requirements as outlined in this proposal **and** subsequent to Volpe certification of the CVIEW for SAFER uploads and downloads.

**Arkansas Hosted or Vendor Hosted Approach**

The following should be addressed regardless of whether the Offeror is proposing an Arkansas hosted or vendor hosted solution. The offeror is not expected to include in the proposal Binder 2 the cost of any hardware or communications required to access the system from Arkansas's weigh stations or from mobile units at roadside. Nevertheless, the offeror must include recommendations for equipment and services required to fully implement the proposed solution. The Proposal must describe the minimum architecture requirements of the proposed system, the best architecture for maximum performance, disk space required to run the application, minimum main storage to run the application, and identify the maximum number of workstations that utilize the system without performance degradation.

**3.1.8 Section Seven--Additional Information**

The Offeror may provide any additional information not required by the previous proposal sections that will clarify or enhance information provided. This information should be concise and germane to the proposed project. Descriptions or discussions of any functionality, software or services not requested by the state in this RFP should be restricted to this section and clearly identified as potential optional services / future enhancement opportunities.

**3.2 PACKET 2 – PRICE PROPOSAL**

At a minimum, Packet 2 should include the following sections:

1. Section 1 – Cost Specifications
2. Section 2 – Certifications
3. Section 3 – Average Hourly Rate Schedule

**3.2.1 Cost Specifications**

The Offer will submit prices for software, hardware, software maintenance contracts, other goods and services necessary for completing the specified tasks, good until May 21, 2010 (185 days from proposal opening) according to the cost response format specified below.

**All software, goods and services necessary to complete the project should be included in the contract. The Offeror should not use "To Be Determined", add time and material caveats, or stipulate that any software, hardware, goods, or services required for the project will be acquired by the Department. Arkansas reserves the right, prior to hardware and supporting software procurement, to determine if the hardware and supporting software will be acquired by the state of Arkansas, or by the selected vendor.**

The price proposal shall at the minimum be structured by the categories listed below in Items 1-12. Each of items 1-12 (and sub-items, for example 2.1, 2.2, etc.) should be costed as separate and distinct line items. In addition, where the line items 1-12, listed below, contain both mandatory and optional tasks, mandatory tasks may be listed as one line item, and each optional task should be listed as a separate line item. The Offeror may choose to itemize costs at a more detailed level than that specified below; however, the price proposal should be capable of rolling up to the line items specified below. Costs associated with Requirements Analysis and Project Management (Requirement Table D in Section 4) should be included within each individual line item. Costs associated with design, development, implementation, and testing, including ODCs and travel, should be included in each relevant 1-12 price proposal line item.

1. One time CVIEW software license / installation fee for baseline (CVISN-compliant and PRISM-compliant) CVIEW and SAFER interface, certified by Volpe for SAFER downloads. Also include costs for set-up / configuration of required hardware / supporting software, but do not include costs for hardware / supporting software acquisition. Rather, include these acquisition costs in Reference # 12. (Requirements A1.1; A1.2; C2, C3; C5, C10, C11).
2. Interfaces to each of the following systems, including related requirements analysis, interface design, development, implementation and testing (each interface should be costed separately as follows):
  - 2.1. Oversize/Overweight Permitting (Requirement A1.3.1 and C9.4)
  - 2.2. Intrastate vehicle registration (Requirement A1.3.2)
  - 2.3. IRP (Requirement A1.3.3 and C9.3)
  - 2.4. IFTA (Requirement A1.3.4 and C9.3)
  - 2.5. **Optional:** Query Central / CDLIS for driver information (Requirement A1.5),
  - 2.6. **Optional:** ACIC (Requirements A1.6; A4.4; C9.1)
  - 2.7. **Optional:** Interface with Arkansas Driver's License System for driver images (Requirement A1.9)
3. Provisions for conditional processing (Requirement A1.4)
4. Support for CSA 2010 (Requirement A1.8)
5. Manual Pass / Fail Queries (Requirement A2, A3, and C13)
6. Automated System-to-System Queries as follows (each system-to-system capability listed below should be separately costed):
  - 6.1. From IRP system in support of PRISM process (Requirement A4.1 and C9.3)
  - 6.2. In support of verifications required for credentialing processes (Requirement A4.2 and C9.4)
  - 6.3. In support of **optional** OverSize / Overweight permitting system verification of registered weight (Requirement A4.3 and C9.4)
  - 6.4. **Optional:** Weigh Station Systems (Requirement A4.5 and C9.2)
7. Reporting (Requirement A5)
8. Officer Alerts (Requirement A6)
9. Technical requirements (Requirements B1, B2, B3, and B4)
10. Training (Requirement C6)
11. Annual Maintenance for each of the first three year's of operation, commencing from the date of state acceptance of the system (and after Volpe certification of the CVIEW for SAFER uploads and downloads), with separate line items for each of Years 1-3 as follows:
  - 11.1. Basic CVIEW system maintenance / maintenance of SAFER interface (C1; C4; C7; C8; C12, C14)
  - 11.2. Separate line item for each vendor-developed interface with state, vendor or national legacy systems (C4;C9)
  - 11.3. Other
12. Hardware, communications, supporting software acquisition.

Exhibit 3.2-1, below shows the expected cost response format. Where the line items 1-12, listed above, contain both mandatory and optional tasks, mandatory tasks may be listed as one line item, and each optional task should be listed as a separate line item.

**Exhibit 3.2-1. Cost Response Format**

Reference Number	Requirements Addressed	Category Description	Labor Hours	Labor Cost	Other Direct Costs (1)	Total Costs
1	A1.1; A1.2; C2; C3; C5; C10; C11	One-time Baseline CVIEW license / installation	xx	\$xx	\$xx	\$xx
2 – Interfaces						
2.1	A1.3.1 and C9.4	Oversize / Overweight Permitting System	xx	\$xx	\$xx	\$xx
2.2	A1.3.2	Intrastate Vehicle Registration System	xx	\$xx	\$xx	\$xx
Etc.						
Totals should be provided as follows:						
A	Addresses Reference #s 1 - 10, <i>excluding</i> Optional Services.	Total, Mandatory Requirements	xx	\$xx	\$xx	\$xx
B	Addresses Optional Services in Reference #s 1-10	Total, Optional Requirements	xx	\$xx	\$xx	\$xx
C	Addresses Reference #11	Total, Maintenance, Years 1-3	--	--	\$xx	\$xx
D	Addresses reference #12	Total, Hardware, communications, supporting software, acquisition costs	--	--	\$xx	\$xx
E	Equals A+C	Total, Mandatory Requirements and 3 years Maintenance	xx	\$xx	\$xx	\$xx
F	Equals E+B	Total, Mandatory and Optional requirements, and 3 years Maintenance				

(1) ODCs should include all costs which are not labor, i.e., travel, meetings, etc., etc.

Offerors may propose an Arkansas hosted or vendor hosted solution for the Arkansas CVIEW, or both. If the Offeror’s technical proposal indicates that the system can be supplied under both options, two cost estimates should be provided for 1-12 and A-F above, one addressing the Arkansas hosted solution, and one addressing the vendor hosted solution.

**3.2.2 Certifications**

The Offeror must certify in writing that all Offeror response terms, including prices, will remain in effect for a minimum of 185 days after the response due date and continue through the term of the contract.

**3.2.3 Pricing and Hourly Rate Schedule**

Compensation for services during the contract period shall be a fixed price upon implementation and acceptance by the Agency of agreed upon milestones constituting the successful Offeror’s solution. Ongoing support and maintenance will be by a quarterly or annual payment of a fixed rate. The cost proposal must reflect all costs associated with

meeting the requirements and services listed in the RFP and being offered by the Offeror as part of the Offeror's response.

Prices quoted shall remain fixed for the duration of the contract executed as a result of this RFP.

Change Order Services - Time And Materials Hourly Rate Schedule. During this project, AHTD, DFA, or the successful Offeror may suggest changes that were not possible to identify during the finalization of the successful Offeror's work plan. It is hoped that the cooperative approach to this project will find ways to effect such changes in a cost-neutral manner. AHTD is hopeful that change orders will not be required. However, any change orders that are required will result in a time and materials, deliverables-based amendment to the agreement. The contractor shall have the burden of proof in justifying any change orders that it requests to the CVIEW Change Control Board. All change orders will be developed using a standard form and process to be developed by the CVIEW Change Control Board.

Change Orders must be able to be completed in a timeframe agreed upon by the AHTD and the successful Offeror.

The Offeror shall provide an Hourly Rate Schedule for Change Orders the contract term, and for Years 1 through 3 following date of acceptance of the system. The specified cost per hour of staff should be shown on the Hourly Rate Schedule included as Exhibit 3.2-1. Exhibit 3.2-1 requires definition of two average hourly rates, one for requirements analysis / design / programming; and one for installation / testing. This pricing will be used for Change Orders, which do not coincide with specific deliverables. Contract modifications addressing Change Orders will define the statement of work, deliverables, and compensation. Each of these Change Orders will be for billable hours priced according to the rates shown in Exhibit 3.2-1, with a firm, not to exceed, fixed price.

**Exhibit 3.2-1. Average Hourly Rate Schedule**

Type of Work	Average Hourly Rate – Contract Period	Average Hourly Rate – Year 1	Average Hourly Rate – Year 2	Average Hourly Rate – Year 3
Requirements Analysis / Design Programming				
Installation / Testing				

**3.3 PACKET 3 - TERMS AND CONDITIONS**

This packet should include the following:

1. Section 1 – Response to Terms and Conditions
2. Section 2 – Offeror’s additional Conditions

**3.3.1 Response to Agency Terms and Conditions**

**This section should include:**

1. A reference to all RFP amendments received by the Offeror (by amendment issue date) to warrant that the Offeror is aware of all such amendments, if any. If no RFP amendments have been issued, the Vendor should so state;
2. A statement that the Offeror believes the proposed solution meets all the mandatory requirements set forth in the RFP document and its amendments, if any;
3. A statement that the Offeror acknowledges and agrees to all of the rights of the Department, including the RFP rules and procedures, terms and conditions and all other rights and terms specified in this RFP, including any amendments; and
4. Explicitly indicate acceptance of the Conditions Governing the Procurement, listed in Section 2 of this RFP. Identify, by inserting the exact language and referencing Section / paragraph number of the RFP, the terms and conditions in the RFP that you wish to modify, and show the desired modifications.

**3.3.2 Offeror's Additional Terms and Conditions**

**This section should include:**

1. **Additional Terms.** A listing of any additional terms, not covered in the RFP, to be proposed by the offeror.
2. **Standard Software License.** Include a copy of vendor’s standard license agreement for each applicable component of the Arkansas CVIEW.
3. **Standard Maintenance Agreement.** Include a copy of your standard, annual maintenance agreement, showing all terms, conditions and services / upgrades provided.

**Section 4.0 SYSTEM AND PROJECT REQUIREMENTS**

The objective of this contract is to obtain a working CVIEW, interfaced with state and national legacy systems, and accessible for both manual and automated queries from roadside and deskside, and contractual maintenance services.

Section 4 provides an overview of the tasks to be performed, State and contractor responsibilities, service specifications and requirements.

**4.1 Background**

The State of Arkansas is participating in the national Commercial Vehicle Information Systems and Networks (CVISN) Program. The CVISN Program is focused on developing the technological infrastructure required to automate credentialing and permitting of commercial vehicles; to electronically clear vehicles through weigh stations; to assure motor carrier, vehicle and driver safety and compliance; and to manage the flow of commercial vehicle traffic. The CVIEW is an integral component in Arkansas’ CVISN deployment program to support both roadside safety assurance activities and electronic screening processes. The CVIEW will also include functional capabilities to improve the efficiency of credentialing processes.

Presently, Arkansas' Department of Finance and Administration (DFA) operates a CVIEW that was implemented to support PRISM processes for the DFA IRP system. This CVIEW provides data for PRISM processes and uploads IRP and IFTA data to SAFER. The Arkansas CVIEW is interfaced with SAFER and downloads all transaction sets with the exception of the transponder transaction set (T0029V2) and UCR data.

Arkansas is now seeking to implement CVIEW capabilities to fully address CVISN, PRISM and additional state-specific requirements, including capabilities to support IRP, IFTA and OS/OW credentialing and permitting processes as well as capabilities to support data access needs for roadside enforcement and inspection selection decisions. Related requirements are provided in this document.

#### 4.1.1 Additional Information

1. Arkansas participates in both the IRP and IFTA Clearinghouses.
2. PrePass is installed at all interstate weigh station sites in Arkansas.
3. Arkansas participates in the PRISM program

#### 4.1.2 CVIEW Users

Primary users of the Arkansas CVIEW include the following:

1. **AHP** The Arkansas Highway Police is responsible for commercial vehicle size and weight enforcement and enforcement of Federal safety standards via the Motor Carrier Safety Assistance Program (MCSAP).

AHP will utilize the Arkansas CVIEW as follows:

1. Manual "pass / fail" queries from roadside during the course of mobile operations to support vehicle and driver inspection selection decisions.
  2. Manual "pass / fail" queries from weigh stations during the course of station operations to support vehicle and driver inspection selection decisions.
  3. Optional: Automated, system-to-system "pass / fail" queries from the state's weigh station system to the CVIEW system for carrier and vehicle information.
  4. Optional: Automated system-to-system queries from the state's OS/OW permitting system to verify vehicle registration, registered weight, and insurance status.
  5. Manual queries for more detailed carrier and vehicle information to support inspection processes in both mobile and fixed operations.
  6. Automated system-to-system queries to support the OS/OW permitting process
1. **DFA.** The DFA is responsible for all motor carrier and CV credentialing and permitting functions, with the exception of OS/OW.

The DFA will use the Arkansas CVIEW as follows:

2. Upload credential status information to the Arkansas CVIEW on a nightly or more frequent basis to support CVISN, PRISM and state-specific requirements.
3. Automated system-to-system queries to support the IRP credentialing process and PRISM process.
4. Automated system-to-system queries to support the IFTA credentialing process

#### 4.1.3 Interfaces

The CVIEW will be interfaced with state and national legacy systems, to enable Arkansas DFA and AHTD users to access credential and safety status information about commercial motor vehicles and motor carriers based in Arkansas, as well as in other states, Canada and Mexico.

The Arkansas CVIEW will be interfaced with the state and national systems as shown in Exhibit 4-1 on the following page.

**Exhibit 4-1. CVIEW Interface Summary**

System to be Interfaced with CVIEW	System Owner	System Type	Input / Output	Update Frequency	Interface Type	Interface Purpose
<i>National Systems</i>						
SAFER	FMCSA	Relational Database	Input / Output	Nightly	XML, FTP or Web Service	<ul style="list-style-type: none"> <li>• CVIEW uploads IRP / IFTA transactions to SAFER to meet both CVISN and PRISM requirements</li> <li>• SAFER downloads carrier and vehicle demographic, credentials and safety information to enable Arkansas to meet both CVISN and PRISM requirements</li> <li>• Inspection summaries, recent Inspection resulting in OOS</li> </ul>
<i>State Systems</i>						
IRP	DFA Vendor: IBM/Celtic	Relational database	Input / Output	A. Nightly  B. Interactive	<ul style="list-style-type: none"> <li>• XML</li> <li>• Web service and or direct SQL queries</li> </ul>	<p>A. IRP system uploads IRP transactions (apportioned carrier, fleet, vehicle data) to CVIEW in XML format to meet both CVISN and PRISM requirements</p> <p>B. IRP system queries CVIEW in support of the credentialing and PRISM processes and CVIEW responds to queries</p>
IFTA	DFA Vendor: IBM/Celtic	Relational Database	Input	Nightly	XML	Upload apportioned fuel tax license and associated carrier demographic information to CVIEW in support of CVISN requirements

System to be Interfaced with CVIEW	System Owner	System Type	Input / Output	Update Frequency	Interface Type	Interface Purpose
Intrastate Vehicle Registration System	DFA	Mainframe System, DB2	Input	Nightly	File transfer	Upload intrastate vehicle registration information to CVIEW
OS/OW Permitting System	AHTD Vendor: Bently	SQL Server	Input / Output	A. Periodically throughout day B. Interactive C. No data transfer	A. Database connection or XML file. B. Web Services C. "Hot link"	A. Upload oversize / overweight permit information to the CVIEW B. Permitting system queries CVIEW in support of permitting processes and CVIEW responds to queries. C. Enable officer in the field to view PDF image of permit
<b>Optional Interfaces</b>						
Weigh Station Management System	AHTD	To be determined	Input / Output	Interactive	Web service	OCR software submits vehicle identifier / weight to CVIEW for pass / fail check; CVIEW provides pass / fail decision to OCR software interface
Query Central	FMCSA		Input/Output	Interactive	Web service	Driver's license status, history, restrictions, and endorsements.  Note: To obtain driver data, the CVIEW should either interface with Query Central or the CVIEW should interface directly with CDLIS.
CDLIS	US DOT		Input/Output	Interactive	AAMVAnet Message Interchange Envelope (AMIE)	Driver's license status; history; restrictions, endorsements . Note: To obtain driver data, the CVIEW should either interface with Query Central or the CVIEW should interface directly with CDLIS.

System to be Interfaced with CVIEW	System Owner	System Type	Input / Output	Update Frequency	Interface Type	Interface Purpose
ACIC	ACIC	Message Switch	Input	Interactive	ACIC/Nlets Native Format	<p>For lost/stolen plates, stolen vehicles, criminal history indicator, Driver's license status/endorsements/restrictions, active warrants.</p> <p>When an officer requests this information through CVIEW, CVIEW sends a query to ACIC. ACIC returns response to CVIEW.</p> <p>ACIC accesses NCIC for non-Arkansas based driver and vehicle information. ACIC also accesses Nlets for vehicle registration and driver's license information.</p>
Arkansas Driver's License System	DFA	Mainframe	Input/Output	Interactive	Web service	<p>For Arkansas Driver's License information including digital images of drivers.</p> <p>When an officer requests driver information for an Arkansas License Driver, the CVIEW will query the Arkansas Driver's License system to obtain driver's license information and driver digital image.</p>
<b>Possible Future Enhancements</b>						
Query Central	FMCSA		Input	Interactive	Web service	<p>If web services become available for one or more of the following data types, Arkansas may require the CVIEW vendor to develop the interface.</p> <ul style="list-style-type: none"> <li>• Past Inspection Data</li> <li>• Vehicle/driver OOS (web</li> </ul>

System to be Interfaced with CVIEW	System Owner	System Type	Input / Output	Update Frequency	Interface Type	Interface Purpose
						service not yet implemented <ul style="list-style-type: none"> <li>• International Border Crossing Information from QC/ACE (not yet implemented)</li> </ul> Crash Data (not yet implemented)
Arkansas Intrastate Authority	AHTD Legal	Currently no electronic records are kept.	Input	Nightly	To Be Determined	Provide Arkansas Intrastate authority status information to CVIEW. Should Arkansas choose to implement and Intrastate Intrastate Authority System during the term of the contract, Arkansas may require development of an interface with CVIEW.

**4.2 Requirements**

The requirements detailed below provide an overview of the functions the CVIEW should perform. The term “Optional Task” is used in some requirements descriptions. Optional Tasks may be included in a contract negotiated with the successful offeror, which may be completed under an extension to the contract negotiated with the successful offeror, or which the State may elect not to implement. Use of the term “Optional” does not indicate that the Offeror has the “option” of responding / not responding to that requirement. All requirements should be fully addressed in the Offeror’s proposal. ( See Section 1.2.1)

**Proposal Instructions: Offerors should include the requirements tables below in Section 2 Understanding of State Requirements of their proposal, with codes circled or otherwise marked to indicate:**

- 1 = Meets requirement without modification
- 2 = Meets requirement with modification at no additional cost
- 3 = Meets requirement with modification at additional cost
- 4 = Does not meet this requirement

Offerors should insert a new row below each requirements line of the table(s) where code marked by Offer is a “2” (Meets Requirement With Modification At No Additional Cost) or “3” (Meets Requirement With Modification At Additional Cost). In each new row, Offer should describe existing related functionality and customizations which will be provided to address each requirement.

**4.2.1 CVIEW System Functional Requirements**

A	<i>Functional Requirements</i>	<i>Codes</i>
A1	GENERAL REQUIREMENTS	
A1.1	The system must comply completely with the CVISN Architectural and Operational requirements. The system and associated SAFER interface must perform all required uploads / downloads to meet both the CVISN and PRISM architecture requirements.	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A1.2	<p>The system must include an XML interface to SAFER capable of uploading all credential and safety data elements included in the Arkansas CVIEW that are supported by SAFER, and capable of downloading all transaction sets supported by SAFER to the Arkansas CVIEW.</p> <p>A detailed listing of the data elements supported in each transaction set can be viewed by accessing the latest version of the SAFER Interface Control Document (ICD) posted on the Johns Hopkins Applied Physics Laboratory CVISN web site (<a href="http://www.jhuapl.edu/cvisn">http://www.jhuapl.edu/cvisn</a>)</p> <p>At all times during the deployment and maintenance of the CVIEW, the CVIEW shall comply and be current with the latest release of SAFER input and output transaction sets and data quality rules.</p> <p>CVIEW shall download all SAFER output update transactions nightly or more frequently. CVIEW must also be capable of receiving a full download from SAFER to establish a new baseline in CVIEW.</p> <p>For each change in IRP, or IFTA data received by CVIEW from the Arkansas IRP and IFTA systems, CVIEW will generate the corresponding output transactions reflecting the changes, and transmit the output transactions to SAFER. Output transactions to SAFER will be sent to SAFER within 24 hours of a change being received and processed by CVIEW. CVIEW must also be capable of sending the full set of SAFER input transactions to SAFER to establish a new Arkansas baseline in SAFER.</p> <p>For the IRP SAFER Input Transactions: When a change in IRP records occur, the related upload routine must follow the hierarchical rules outlined below:</p> <ul style="list-style-type: none"> <li>If a change occurs at the carrier level only (for example, change of address), only the T0020 needs to be uploaded</li> <li>If a change occurs at the fleet level (for example, weight groups or jurisdiction states change), both the T0021 and associated T0020 must be uploaded</li> <li>If a change occurs at the vehicle level (for example, a vehicle is added or a plate transferred), the T0022 and associated T0021 and T0020 must be uploaded.</li> </ul>	1 2 3 4
A1.2.1	T0019: IFTA SAFER Input Transaction.	1 2 3 4
A1.2.2	T0020: IRP Account SAFER Input Transaction	1 2 3 4
A1.2.3	T0021: IRP Fleet SAFER Input Transaction	1 2 3 4
A1.2.4	T0022V2: IRP Registration (cab card) SAFER Input Transaction. The CVIEW shall include all PRISM data elements required in this transaction, including the safety carrier.	1 2 3 4
A1.2.5	T0025: IFTA SAFER Output Transaction	1 2 3 4
A1.2.6	T0026: IRP Account SAFER Output Transaction	1 2 3 4
A1.2.7	T0027: IRP Fleet SAFER Output Transaction	1 2 3 4
A1.2.8	T0028V3: IRP Registration (cab card) SAFER Output Transaction	1 2 3 4
A1.2.9	T0030: Vehicle Inspection Summary SAFER Output Transaction	1 2 3 4
A1.2.10	T0031V2: MCMIS Safety and Census SAFER Output Transaction. Arkansas requires the use of the T0031V2 (instead of the T0031) to support of PRISM processes.	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A1.2.11	T0032: Licensing and Insurance SAFER Output Transaction	1 2 3 4
A1.2.12	T0041P: PRISM Vehicle Target File. Arkansas requires this file to be downloaded to support PRISM processes.	1 2 3 4
A1.2.13	SAFER UCR Transaction: Arkansas requires that the CVIEW download UCR data for all jurisdictions via the SAFER UCR web service.	1 2 3 4
A1.3	The system must interface with the following state systems. For Background information on these systems, see Appendix A.	1 2 3 4
A1.3.1	<p>Over Size / Over Weight Permit System: The CVIEW will interface with the AHTD OS/OW system through XML files or a direct database link, and web services. The specific type of interface will be decided at a future date. Transmissions between the Over Size / Over Weight Permit system and CVIEW will occur periodically throughout each day.</p> <p>For a list of the minimum data elements that must be supported by the interface, see Appendix B.</p>	1 2 3 4
A1.3.2	<p>Intrastate Vehicle Registration: The CVIEW will interface with the Intrastate Vehicle Registration system through a file interface. The specific type of interface will be decided at a future date. Transmissions between the Intrastate Vehicle Registration system and CVIEW will occur nightly.</p> <p>For a list of minimum data elements that must be supported by the interface, see Appendix C.</p>	1 2 3 4
A1.3.3	<p>IRP System: The Arkansas IRP vendor will develop the state side of the IRP interface and the CVIEW vendor shall develop the CVIEW side of the interface. The IRP system and CVIEW will interface through web services and/or direct SQL queries against the CVIEW database, and XML. XML Transmissions between the IRP system and CVIEW will occur nightly.</p> <p>A list of specific data elements and the XML file formats that must be supported by the interface are the same as the IRP data elements and XML file formats found in the latest version of the SAFER Interface Control Document (ICD) posted on the Johns Hopkins Applied Physics Laboratory CVISN web site (<a href="http://www.jhuapl.edu/cvisn">http://www.jhuapl.edu/cvisn</a>). Note that file naming conventions for the Arkansas IRP XML output files may not follow the naming conventions listed in the SAFER Interface Control Document.</p>	1 2 3 4
A1.3.4	<p>IFTA Credentialing System: The Arkansas IFTA vendor will develop the state side of the IFTA interface and the CVIEW vendor shall develop the CVIEW side of the interface. The IFTA system and CVIEW will interface through XML. XML Transmissions between the IFTA system and the CVIEW will occur nightly.</p> <p>A list of specific data elements and the XML file formats that must be supported by the interface are the same as the IFTA data elements and XML file formats found in the latest version of the SAFER Interface Control Document (ICD) posted on the Johns Hopkins Applied Physics Laboratory CVISN web site (<a href="http://www.jhuapl.edu/cvisn">http://www.jhuapl.edu/cvisn</a>). Note that file naming conventions for the Arkansas IFTA XML output files may not follow the naming conventions listed in the SAFER Interface Control Document.</p>	1 2 3 4
A1.3.5	<p><b>Possible Future Enhancement:</b> Arkansas Intrastate authority: The CVIEW will interface with the Arkansas Intrastate Authority System through either a web service or a file interface. The type of interface will be decided at a future date. Transmissions between the Arkansas Intrastate authority system and CVIEW will occur nightly.</p> <p>For a list of minimum data elements that must be supported by the interface, see Appendix D.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A1.4	<p>Conditional Processing: The CVIEW database should not be updated if the existing CVIEW record has a more recent update date/time than does the incoming record from the Arkansas credential system or SAFER transaction. If the existing record has the same update date/time, the database should be updated.</p>	1 2 3 4
A1.5	<p><b>Optional Task:</b> The CVIEW system must include a real-time interface with CDLIS for driver’s license status, traffic violation history, driver endorsements and driver restrictions. The CVIEW vendor may choose to implement this interface by sending queries directly to CDLIS, or by interfacing with Query Central which directs queries to CDLIS. When an officer with CDLIS access privileges queries for information on a driver, CVIEW will generate a query and transmit it to CDLIS / Query Central. CDLIS / Query Central will return requested data to CVIEW for presentation to the requesting officer.</p> <p>Driver information displayed for the requesting officer should include Failure to Appear violations.</p> <p>Appendix G provides a more detailed description of the CDLIS interface. Appendix H provides a more detailed description of the Query Central Interface.</p>	1 2 3 4
A1.6	<p><b>Optional Task:</b> The CVIEW system must include an interactive interface with ACIC. When an officer with ACIC query privileges queries for information on a vehicle or driver, CVIEW will generate a query and transmit it to ACIC to obtain information on vehicle registration status, stolen vehicle, lost/stolen plates, driver’s license status, driver endorsements and restrictions, criminal warrants, and an indicator of criminal history . ACIC will return the data to CVIEW for presentation to the requesting officer. ACIC will access NCIC for non-Arkansas based vehicle and driver information, and Nlets for driver’s license and vehicle registration information.</p> <p>Note: Due to security requirements, criminal history shall not be displayed on the officer’s laptop computers, rather a criminal history indicator will be displayed. A positive indicator will specify that criminal history for the individual is present.</p> <p>Appendix E provides a more detailed description of the interface.</p>	1 2 3 4
A1.7	<p><b>Possible Future Enhancement:</b> The CVIEW system will include a web service interface with Query Central for information on past inspections, driver OOS, vehicle OOS, log book violations, crash data, and international border crossing information. When an officer queries for information on a vehicle or driver, CVIEW will generate a query and transmit it to Query Central. Query Central will return the requested information to CVIEW for presentation to the requesting officer.</p> <p>Note 1: The QC-ACE system, which would provide access to international border crossing information, is not currently operational. The requirement for access to international border crossing information will be implemented upon availability of the QC-ACE interface.</p> <p>Note 2: Query Central does not currently provide a web service interface for past inspections including those resulting in OOS, log book violations, or for crash data. These data may be provided in the future by the Query Central system and Arkansas may request that the CVIEW vendor develop an interface to obtain these data at that time.</p>	1 2 3 4
A1.8	<p>The CVIEW shall support CSA 2010.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A1.9	<p><b>Optional Task:</b> The CVIEW system will include an interface with the Arkansas Driver’s License System, located at DFA, for information on Arkansas Drivers, including driver digital images. When an officer request driver information through the CVIEW manual query interface, the CVIEW will transmit a query to the Arkansas Driver’s License system to retrieve the driver information and the digital image. More details on this interface are included in Appendix I.</p> <p>If Arkansas chooses to have this task implemented by the vendor, an officer query on an Arkansas based driver’s license will result in a query to the Arkansas Driver’s License system. An officer query on a driver’s license based in any other jurisdiction will result in a query to Query Central / CDLIS or ACIC.</p>	1 2 3 4
A2	Pass/Fail Flag Generation	1 2 3 4
A2.1	For Manual and System-to-System queries (discussed in A3 and A4) the CVIEW shall have the capability to generate a pass/fail flag when a USDOT, Driver’s License Number, driver name, birthdate, and sex, VIN or plate query in submitted to the CVIEW.	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A2.2	<p>The factors involved in generating a pass/fail flag must be configurable by authorized individual users and assignable to any individual user . Pass/fail factors should include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Verify current plate (IRP or intrastate) is valid based on registration issue date, expire date and status</li> <li>• Verify that Arkansas is valid IRP operating jurisdiction on apportioned registration or intrastate registration</li> <li>• Verify IFTA status</li> <li>• Indicate whether OS/OW permit in place</li> <li>• Verify that UCR registration / payment status is current</li> <li>• Indicate whether carrier is on Motor Carrier Safety Improvement (MCSIP) list</li> <li>• Verify Federal operating authority status</li> <li>• Verify that safety status is within user-specified range (based on ISS2 score and / or SafeStat score)</li> <li>• Verify that vehicle OOS rate is within user-specified range (vehicle inspections during last 15 months/vehicle OOS issuances in last 15 months)</li> <li>• Verify that carrier, driver and vehicle are not under OOS order</li> <li>• Verify that the vehicle is not a PRISM targeted vehicle.</li> <li>• Verify that the SEA (vehicle, driver, management, accident) values are within parameters as established by the state. Note that in July 2010, SEA values will be replaced by the CVSA 7 basics. Depending on the timing of the CVIEW implementation, the pass / fail decision may use either the SEA values or the CVSA 7 basics.</li> <li>• Verify that WIM measured total weight is in the range of the IRP or intrastate registration Registered Weight and/or the Over Limit Permit weight.</li> <li>• Verify that plate is not lost or stolen (Optional Task)</li> <li>• Verify that vehicle is not stolen (Optional Task)</li> <li>• Verify Arkansas Intrastate Authority Status (Possible Future Enhancement)</li> <li>• Verify Driver’s License Status (Optional Task)</li> <li>• Verify Insurance status / limits</li> <li>• Criminal history indicator (Optional Task)</li> <li>• Verify there are no Active Warrants for the driver. (Optional Task)</li> <li>• Past Traffic Convictions (Optional Task)</li> </ul> <p>Ideally, all data capable of indicating credential / safety status in the CVIEW database should have the potential to be used in pass/fail criteria rules.</p> <p>CVIEW shall automatically verify each item in the pass/fail criteria list and return a pass / fail indicator to the user screen or calling system.</p>	1 2 3 4
A2.3	CVIEW will allow each user to use a different set of pass/fail factors.	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A2.4	<p>CVIEW will allow users authorized by the user group administrator to access a screen displaying all data elements that may be included in the pass/fail criteria, and allow users to select the data elements for the pass/fail criteria set, and the boundaries and logic rules for those data elements. For example: user may specify that USAR must be included in the vehicle weight table if the vehicle is IRP registered to verify Arkansas as a valid operating jurisdiction.</p> <p>In addition, CVIEW will allow users authorized by the user group administrator to specify data elements that will be printed on the pass/fail overview screen, even if the data element is not used in the pass/fail indicator generation. For example, the user may specify that carrier DBA, carrier legal name, or driver’s license name be displayed on the pass/fail overview screen even though those data elements are not included in the pass/fail indicator generation.</p> <p>CVIEW must allow each pass/fail criteria set and data element display set developed by authorized users to be named and saved and useable by any other users and groups of users. Any user must be able to select already created and saved pass/fail criteria sets and data element display set by selecting the name of the set. Users must also be able to review the rules contained in saved and named sets.</p> <p>Offeror’s response to this RFP should list the data elements that would be made available to the state of Arkansas for inclusion in the pass/fail criteria rules and data element display sets and how the CVIEW system being offered will allow authorized users to establish rules for the pass/fail criteria.</p>	1 2 3 4
A2.5	<p>The query set-up windows will include a Help screen(s) which will guide the user in the query set-up process and logic behind definition of the pass / fail criteria. For example, the Help screens will provide assistance in setting up queries requiring “AND” and / or “OR” conditions in the query set. The Help screen will explain the logic for effecting the correct pass or fail decision, for example “If a statement is true, the condition will generate a ‘fail’ response”</p>	1 2 3 4
A2.6	<p>CVIEW will allow authorized users to change the criteria set being used for generating the pass/fail indicator as often as needed.</p>	1 2 3 4
A2.7	<p>If a pass/fail query is run using vehicle information (such as plate / state or VIN) as the query parameter, CVIEW will run the pass/fail criteria for the vehicle as well as the pass/fail criteria for the associated carrier in a combined query. Interstate vehicle queries will be associated with the DOT number of the carrier responsible for safety, if available, for all safety-related query parameters. If the DOT number associated with the carrier responsible for safety is not present, the interstate vehicle query will be associated with the IRP registrant DOT number.</p> <p>In the future, Arkansas may issue intrastate USDOT numbers to intrastate carriers. The CVIEW should be implemented in such a manner that intrastate plate queries will associate with the intrastate USDOT number for both safety and credential-related query parameters.</p> <p>Plate and DOT queries for Interstate and Intrastate vehicles should be capable of being generated from the same input screen. User should not have to indicate whether plate or DOT query is for an apportioned or intrastate plate for query to execute.</p>	1 2 3 4
A2.8	<p>IRP Vehicle Status Code shall be associated with the Vehicle when Vehicle status is being requested.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A2.9	<b>Optional Task:</b> Any data elements that are available to be included in the pass/fail criteria, must be given a unique number and description. The pass/fail criteria number and description will be used in the Optional Tasks: Weigh Station Interface.	1 2 3 4
A3	<b>MANUAL QUERY CAPABILITIES</b>	
A3.1	The system must be capable of accepting and responding to manual and automated queries from roadside and deskside to support the types of functions listed below (please note that this list is not intended to be all-inclusive).	1 2 3 4
A3.1.1	<p>Enable patrol officers to query CVIEW from roadside (fixed scale or mobile unit) by VIN; plate number; driver’s license number with optional inclusion of driver name, birthdate, and sex; and US DOT number,. This would require the system to conduct, at a minimum, but not necessarily limited to, the following verifications:                      CVIEW shall automatically verify each item in the pass/fail criteria list above and provide a pass / fail indicator on the screen. Also, the screen must display all items and data values considered in the pass/fail calculation. Failed items should be displayed in different text color, or some other effective means should be utilized to make information understandable “at a glance”.</p> <p>In addition, the pass/fail screen should allow the display of data elements in addition to those used in the pass/fail indicator generation. For example, a user may specify that the system should display carrier legal name, carrier DBA name, Driver name, driver digital image (digital image inclusion is an optional task), etc.</p>	1 2 3 4
3.1.2	In addition, CVIEW should allow the user to view <i>any</i> details on the carrier or vehicle contained in CVIEW upon request. The pass/fail indicator screen should contain a link to access detail screens that contain the carrier and vehicle demographic, safety, inspection, credential, permitting, L&I and other details. Any data elements displayed on the detail screens which resulted in a “fail” indicator on the pass/fail indicator screen, should be highlighted on the detail screen in a different text color, or some other effective means should be utilized to direct the user’s eye to those data elements.	1 2 3 4
A3.1.3	<p>For IRP vehicle pass / fail queries and drill down queries, CVIEW should first associate with and search on USDOT number of carrier responsible for safety for all safety factors. If a USDOT number for the carrier responsible for safety is not available, the licensee’s USDOT should be used for determining the applicable safety factors. The IRP Licensee DOT number should be used to search for credential factors.</p> <p>In the future, Arkansas may issue intrastate USDOT numbers to intrastate carriers. The CVIEW should be implemented in such a manner that intrastate vehicle pass/fail queries will first associate with the intrastate USDOT of the carrier responsible for safety, if available, for determining the applicable safety factors. If the carrier responsible for safety is not available, the intrastate licensee’s USDOT number should be used.</p>	1 2 3 4
A3.1.4	<p>Within all data view screens available to CVIEW users, safety data displayed should be associated with the USDOT number of the motor carrier responsible for safety (if available). All credential information displayed for interstate and intrastate carriers should be associated with the IRP or intrastate Licensee DOT number.</p> <p>Intrastate USDOTs are not currently issued by Arkansas, but may be issued in the future. The CVIEW should be developed to be capable of accessing the Intrastate USDOT numbers as stated in this requirement.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A3.2	<p>Provide or support query to retrieve list of vehicles and registration data for all vehicles assigned to a specific IRP or intrastate carrier (carrier responsible for safety, if available; registrant if carrier responsible for safety is not available). Carrier’s name and address, vehicle VINs and registrant’s name and address for each vehicle should be included in the query results.</p> <p>Note: Arkansas does not currently issue intrastate USDOT numbers, but may do so in the future. The CVIEW system should be capable of meeting this requirement for intrastate vehicles as well as IRP vehicles.</p>	1 2 3 4
A3.3	<p>Provide or support a query to retrieve the USDOT number and safety status of the carrier responsible for safety of a vehicle, by plate or VIN number</p>	1 2 3 4
A3.4	<p>Provide or support query requesting federal OOS status for all carriers placed out of service within a specified time frame and for all carriers currently under federal out of service order.</p>	1 2 3 4
A3.5	<p>Accommodate manual queries by registrant USDOT number and / or registrant name for registration record details. Query results shall include, but not be limited to, registrant name and address and a list of registration details (including safety carrier USDOT) for all vehicles registered by that registrant. Query input will be the registrant’s USDOT or name.</p> <p>System should allow for a “wildcard” search on name, and then allow user to select exact name from wildcard search results for query submittal.</p>	1 2 3 4
A3.6	<p>Accommodate manual queries by carrier name or portions of carrier names. A user may enter a search string and CVIEW should return a list of carrier names that match the search string. The list should include the carriers’ USDOT numbers that should be linked to the pass/fail screen. When a user clicks on a USDOT number, the pass/fail criteria for that USDOT should be processed and the system should display the pass/fail results screen.</p>	1 2 3 4
A3.7	<p>Manual Query capabilities should allow pass/fail queries and drill down queries on intrastate vehicles as well and interstate vehicles.</p> <p>Users should be able to initiate plate, VIN, DOT and name queries from the same screen, regardless of whether a vehicle or carrier operates on an interstate or intrastate basis.</p> <p>Note: Arkansas does not currently issue intrastate USDOT numbers, but may do so in the future. The CVIEW system should be capable of meeting this requirement for intrastate vehicles as well as IRP vehicles.</p>	1 2 3 4
A3.8	<p>If a user queries on a carrier or vehicle, the CVIEW will enable users to access a list of active OS / OW permits associated with carrier and vehicle. Selection of a specific permit will enable the user to view an image of the full permit.</p>	1 2 3 4
A3.9	<p>The CVIEW shall allow users to query by OS/OW permit number. The results of the query should provide the user access to the OS/OW permit information and associated vehicle and/or carrier information.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A4	AUTOMATED SYSTEM TO SYSTEM QUERIES. The system must be capable of supporting automated system to system queries from Arkansas credentialing and enforcement systems to the Arkansas CVIEW, including, but not necessarily limited to:	
A4.1	IRP system queries as required by the PRISM process; for example, querying for carrier safety status and last MCS 150 update date	1 2 3 4
A4.1.1	Accommodate system-to-system queries from the IRP system to the CVIEW to query by USDOT number for MCS150 update date.	1 2 3 4
A4.1.2	Accommodate system-to-system queries from the IRP system to the CVIEW to determine safety status of motor carriers.	1 2 3 4
A4.1.3	Accommodate system-to-system queries from the IRP system to the CVIEW to determine if a VIN is currently assigned to a motor carrier under federal OOS order. CVIEW must download the T0041P to support this query.	1 2 3 4
A4.1.4	Accommodate system-to-system queries from the IRP system to validate the USDOT against the CVIEW database by sending CVIEW the USDOT and the TIN.	1 2 3 4
A4.1.5	Accommodate system-to-system queries from the IRP system to obtain carrier data necessary to pre-fill MCS-150 forms to send to registrants. CVIEW must download the T0031V2 from SAFER to support this query	1 2 3 4
A4.2	The Arkansas OS/OW permit system will query CVIEW to determine the carrier's insurance status prior to issuing an OS/OW permit	1 2 3 4
A4.3	<b>Optional Task:</b> Arkansas OS/OW Permit system will query to the CVIEW for IRP (or intrastate) registered gross vehicle weight of the vehicle prior to issuing the OS/OW permit.	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A4.4	<p><b>Optional Task:</b> ACIC Queries - Arkansas may want to implement the capability for CVIEW to make an interactive data request to ACIC. These requests may be initiated by authorized mobile patrol officer through the CVIEW manual query interface, or by the weigh station systems.</p> <p><u>Mobile Operations</u></p> <p>In mobile operations, the CVIEW queries will be transmitted from mobile patrol laptops across EDGE/3G networks and be sent to the CVIEW. The CVIEW will send a query to ACIC for carrier, driver, and vehicle information. ACIC will access NCIC for non-Arkansas based driver and vehicle data and Nlets for driver’s license and vehicle registration information. The CVIEW will display the returned ACIC data on the CVIEW interface.</p> <p>Data returned from ACIC will be roughly parsed to determine indicators for each of the following:</p> <ul style="list-style-type: none"> <li>• Stolen/lost license plate</li> <li>• Stolen vehicle</li> <li>• Criminal History Indicator (if user provided valid reason code)</li> <li>• Active Warrants</li> <li>• Vehicle Registration Status (current and active)</li> <li>• Driver’s CDL license status (current and active)</li> <li>• Recent traffic violation convictions</li> </ul> <p>Based on the pass/fail rules assigned to the user ID all or a portion of the above indicators will be presented on the manual query overview screen. Officers may view the full ACIC text responses by pressing a link or links to additional CVIEW web pages.</p> <p>Note: Due to security requirements, full criminal history text shall not be displayed on the officer’s laptop computers either in the manual query overview screen or the full ACIC text response screen, rather a criminal history indicator will be displayed. A positive indicator will reflect that criminal history for the individual is present.</p> <p><u>Weigh Station Operations</u></p> <p>In weigh station operation, the weigh station system will issue a request to CVIEW based on a license plate and/or USDOT read. CVIEW will request data from ACIC and will roughly parse the query response to determine indicators for:</p> <ul style="list-style-type: none"> <li>• Stolen/lost license plate</li> <li>• Stolen vehicle</li> <li>• Vehicle Registration Status</li> </ul> <p>These indicators will be returned to the weigh station management system. See appendix F for additional information.</p> <p>Queries from the CVIEW to ACIC will be in native format. ACIC Query Results will be returned to the CVIEW in native Format.</p> <p>Content and format of ACIC query input and output may be found in Appendix E.</p>	1 2 3 4

A	<i>Functional Requirements</i>	<i>Codes</i>
A4.5	<p><b>Optional Task:</b> Weigh Station System queries: Arkansas is implementing an automated virtual weigh station on US64. The virtual weigh station may include License Plate Readers and Optical Character Recognition technologies for identification of the carrier and vehicle and WIM devices. OCR technology may also be implemented at other fixed weigh stations in Arkansas. The OCR and WIM systems will send data to the Weigh station interface, which will send a query to CVIEW containing the plate number and state (and/or USDOT number), and total weight from the WIM reading. CVIEW shall return a pass/fail response or an error indicator if carrier or vehicle was not found.</p> <p>Content and format of query input and output may be found in Appendix F.</p>	1 2 3 4
A5	Report Capabilities. The CVIEW shall support the following reports (note that this list is not intended to be all inclusive.)	
A5.1	Transaction Statistic Reports: Each of the capabilities described below should be available on an individual user basis, by roll-up by user group and by user-defined groups of individual users, by roll-up of query type, by roll-up by all AHTD user groups; by roll-up by all DFA user groups; by roll-up to an overall total. Each report should include the name of the report, the value of parameters passed, date and time of the report run, and name of the report requestor.	1 2 3 4
A5.1.1	Total # pass / fail queries run by system during user-specified time period (date x through date y)	1 2 3 4
A5.1.2	Total # pass / fail queries run by system during user-specified time period (date x through date y) resulting in pass decision	1 2 3 4
A5.1.3	Total # pass / fail queries run by system during user-specified time period (date x through date y) resulting in fail decision	1 2 3 4
A5.1.4	Total # fails by reason for failure (note that there may be more than 1 failure reason per individual fail read). Users would like to be able to specify how to group reasons for fail reads in ad hoc reporting.	1 2 3 4
A5.2	Meet other report needs identified by the AHTD/DFA during project planning and design.	1 2 3 4
A5.3	Provide ad-hoc report capabilities. Offeror should provide ad-hoc report capabilities by providing a configurable list of data elements to be included in report and / or by providing report generation software. Offeror should indicate which approach(es) will be used to provide ad-hoc reports. If secondary software is required to produce ad-hoc reports, Arkansas prefers Crystal Reports or Reporting Services (by Microsoft).	1 2 3 4
A5.4	Provide ability to dump report data into format(s) that may be imported to Microsoft Excel.	1 2 3 4
A5.5	Transaction import log that indicates data imported into CVIEW from state systems and location of archive transaction file. Log should also include a list of records, per input transaction, that were not loaded successfully, the location of that data in the transaction file, and the reason data was not loaded into CVIEW. This log should be sent automatically through email to the CVIEW support group and the DFA or AHTD credential interface administrator(s).	1 2 3 4
A5.6	Transaction import log that indicates data imported into CVIEW from SAFER and the location of the archive transaction file. Log should include a list of records, per input transaction file, that were not loaded successfully, the location of that data in the transaction file, and the reason data was not loaded into CVIEW. This log should be sent automatically through email to the CVIEW support group.	1 2 3 4
A5.7	The system should be able to direct reports to any printer defined by the user, not just printers within the application.	1 2 3 4
A5.8	Users with appropriate permissions shall be able to schedule standard reports to be generated automatically at specified dates/times.	1 2 3 4
A5.9	CVIEW shall maintain a log of reports run that includes an indicator of the success or failure of each report run and the requestor for each report.	1 2 3 4

<b>A</b>	<b><i>Functional Requirements</i></b>	<b><i>Codes</i></b>
A5.10	UCR Report: The CVIEW should generate a list of carriers, based in Arkansas and performing interstate operations, who are not registered for UCR. This report should be available upon request of a user.	1 2 3 4
A6	Officer Alerts	
A6.1	Input of Officer Alerts: The CVIEW shall allow officers to input alerts into the CVIEW system, and store those alerts for access by other officers. The CVIEW shall allow alerts input into the system to be tied to plate number/state, VIN, USDOT, and CDL number/state. After the alert has been entered and stored in the system, any queries against the CVIEW using any of the key values for the alert, will cause the alert to be displayed on the pass/fail indicator screen.	1 2 3 4
A6.2	Time Limit for Alerts: When officer alerts are being entered, the officer should have the option to place a time limit on the alert. The CVIEW will no longer display alerts once the time limit expires.	1 2 3 4
A6.3	Officer Alert Text Field: CVIEW will require the officer entering the alert into the system, to provide a reason for the alert.	1 2 3 4

**4.2.2 CVIEW System Technical Requirements**

B	TECHNICAL REQUIREMENTS	Codes
B1	Computing Environment - Vendor-hosted vs. Arkansas Hosted System:	
B1.1	The vendor must install a CVIEW using either a vendor-hosted solution or a Arkansas-hosted solution (hardware and software housed at AHTD or DFA). The CVIEW must be compatible with the Arkansas computing environment shown below	1 2 3 4
B1.1.1	Network communications are TCP/IP Protocol.	1 2 3 4
B1.1.2	If Arkansas hosted, SQL Server or Oracle database platform is preferred)	1 2 3 4
B1.2	AHTD and DFA access to server: AHTD and DFA will perform manual queries against the CVIEW by accessing the CVIEW server through the Internet using Microsoft Internet Explorer 6.0 or later version. Both DFA and AHTD shall have access to the server for system-to-system queries, and for uploading data to the CVIEW.	1 2 3 4
B1.4	Reports and printed materials from CVIEW will be printed on Laser Printers at AHTD, DFA, and Weigh Stations.	1 2 3 4
B2	System Security, Robustness, Usage Tracking, and Data Quality	
B2.1	System Access. The following system access requirements shall be met:	1 2 3 4
B2.2	A valid account number and password must be entered and verified prior to gaining access to the system	1 2 3 4
B2.3	Optional Task: The CVIEW must allow for a single sign-on for both CVIEW and Query Central/CDLIS access. At account setup, if the user maintains a CDLIS ID, the user would enter the CDLIS ID and password into the CVIEW system. CVIEW would store the CDLIS ID and password in a secure lookup table and access the ID when CDLIS queries are made on behalf of the user. The CVIEW must allow the user to modify their CDLIS ID and Password stored in the CVIEW system to keep their login credentials up to date.	1 2 3 4
B2.4	Access to the system will be locked (for a specified period of time) for a specific account, when the attempts to sign on exceed a specified number.	1 2 3 4
B2.5	Account status will be maintained on the system and will be verified prior to allowing access to the system	1 2 3 4
B2.6	A facility must be provided to allow the Account holder to modify their password on demand.	1 2 3 4
B2.7	Security Groups should be available under which user IDs can be assigned. The security groups will establish data access rules for the users in that group. Access rules for groups should be editable as needs may change over time Data access rules for groups will dictate the data available for viewing on the manual query interface.	1 2 3 4
B2.8	The data captured and transmitted between AHTD and DFA credentialing systems and CVIEW, between CVIEW and SAFER, and between CVIEW and any other systems to which CVIEW is interfaces shall be secure. Acceptable solutions include the use of SSL and data encryption. Manual Query Transactions will be secured with SSL or other means of internet security.	1 2 3 4
B2.9	Password protection is needed to ensure the integrity of the database; it is essential that adequate security be incorporated into the system.	1 2 3 4
B2.9.1	Each operator will be required to enter a unique password before accessing the system with user access identifiable within security reports. Password changes should be available to users at user request	1 2 3 4
B2.9.2	The database and or file level security to identify each operator authorized to use a secure library or data file with identification of the level or access allowed	1 2 3 4

<b>B</b>	<b>TECHNICAL REQUIREMENTS</b>	<b>Codes</b>
B2.9.3	Automatic display of menus available to specific operators at sign-on	1 2 3 4
B2.9.4	The ability to track all system activity by the user ID	1 2 3 4
B2.10	Protection of the host machine / server with UPS and a back up generator	1 2 3 4
B2.11	Data Quality: Data quality procedures must include the following:	1 2 3 4
B2.11.1	Validation of incoming data should be automatic.	1 2 3 4
B2.11.2	Transaction processing / error logging is required to ensure that upload / download transactions are tracked at various points so that if transaction failure does occur, the point of failure can be detected and corrective action taken	1 2 3 4
B2.11.3	Roll back recovery must be provided to ensure rollback of transactions that did not complete successfully.	1 2 3 4
B2.12	Transaction Statistics: It is required that transactions statistics be available for reporting the number of transactions performed, transactions started and not completed, the number of error messages received by type, transaction time end to end, legacy system interface time and other transaction statistics for monitoring and reporting capabilities. Data retention will be determined during the detailed design phase.	1 2 3 4
B2.13	<p>System Back-up and Recovery for Arkansas hosted system: Contractor supplied software must include a package of system utilities, media, and recovery procedures with detailed documentation. These utilities shall handle such functions as file copying, database loads, library maintenance, etc. Utilities should be accessible through a GUI interface.</p> <p>Vendor hosted systems shall be fully backed up weekly and differentially backed up nightly. Systems that will be delivered to Arkansas for hosting shall be fully backed up weekly, and differentially backed up nightly by Arkansas' existing software and procedures.</p>	1 2 3 4
B2.14	<i>Optional Task:</i> The interface between the CVIEW system and the ACIC switch must comply with the current copy of the FBI's CJIS security policy. The CVIEW/ACIC interface shall meet the approved form of advanced authentication and data encryption as specified in the beforementioned security policy.	1 2 3 4
B2.15	<i>Optional Task:</i> The CVIEW must allow for a simple sign-on for CVIEW and ACIC access to reduce the need for multiple ID and password entries at the beginning or within a user session.	1 2 3 4
<b>B3</b>	<b>System Performance</b>	
B3.1	<p>Test Environment: A test environment shall be available for testing and training for all systems / subsystems implemented. The test system may be at the vendor location regardless of whether the vendor is an application service provider or if the system will be located on AHTD or DFA networks.</p> <p>If the vendor is providing a hosted test server, the vendor must describe how all system interfaces will be tested on the hosted test environment.</p>	1 2 3 4
B3.2	System Performance: the following system performance requirements shall be met.	1 2 3 4
B3.2.1	Query response time will be virtually "immediate"	1 2 3 4
B3.2.2	The application should be available 24 hours a day, 7 days / week	1 2 3 4
B3.2.3	The hardware and data center in which the system resides must be robust and allow for the following:	1 2 3 4
B3.3	If more than one server is being used, offerors should describe how data synchronization will be maintained.	1 2 3 4
B3.4	System Response Times: At no time during the term of this contract shall the system experience more than two (2) seconds between screens, and system response shall be received in less than five (5) seconds from start-up	1 2 3 4

B	TECHNICAL REQUIREMENTS	Codes
B3.5	Downtime: If the Vendor chooses to host the CVIEW system, downtime shall not exceed 1.0% for the CVIEW and CVIEW / SAFER interface. The downtime stated is time the system or its interfaces are unavailable for necessary system operations due to CVIEW system failure. If the state of Arkansas hosts the system, downtime due to vendor software design or vendor actions should not exceed 1.5%	1 2 3 4
B3.6	The vendor shall perform performance testing on CVIEW during peak hours of operation to assure performance requirements are met.	1 2 3 4
B4	General Technical Requirements	
B4.1	Communications from fixed weigh stations to the CVIEW will be through 100 Mbs fiber lines using TCP/IP over a private state network.	1 2 3 4
B4.2	Communications from mobile enforcement units / semi-permanent inspection locations: EDGE/3G is available and will be used in mobile vehicles. EDGE/3G communications will be sent to the AHTD networks for access to CVIEW.	1 2 3 4
B4.3	Communications from CVIEW to the AHTD and DFA Credentialing Systems will use TCP/IP. Network lines are in place between AHTD and DFA through the state-wide government WAN. See Appendix A for additional information.	1 2 3 4
B4.4	Web screens usable at screen resolution of 800x600 pixels or 1024x768 pixels with normal font size settings. If screens are not usable, or extensive horizontal scrolling is needed at these screen resolutions, the vendor will be expected to work with the Arkansas to mitigate the impact on the end users.	1 2 3 4
B4.6	Maintenance via a toll free number with a 2-hour maximum response time indicating the problem is being addressed and up to 12 hours to resolve	1 2 3 4

**4.2.3 CVIEW System Support Requirements**

C	SYSTEM SUPPORT REQUIREMENTS	Codes
C1	Maintenance Contract: A maintenance contract is required as follows:	
C1.1	A three year maintenance contract is required.	1 2 3 4
C1.2	<b>Optional Task:</b> Offeror will make provision to extend maintenance contract annually for Years 4-7.	1 2 3 4
C2	On-site Technical Support: The Contractor shall provide on-site technical support during the installation and first week of production operation. The responsibility of the on-site technical personnel will be to facilitate installation, assist in operation, coordinate contractor activities, and mitigate performance problems	1 2 3 4
C3	Systems and/or Software: The Contractor shall supply any specialized systems and/or software to perform monitoring and reporting of availability of the equipment to measure compliance with the performance requirements.	1 2 3 4
C4	Vendor Supplied Interfaces: Vendor-supplied interfaces shall be kept in proper working order, shall be maintained and updated as required to ensure ongoing compatibility / interoperability CVISN requirements and modifications to interfaced systems.	1 2 3 4
C5	A compiled executable and the associated source code, system utilities, scripts, etc., and system documentation, to be updated each time there is a system upgrade or at a minimum annually, must be held in escrow for the State of Arkansas, in the event that the successful Offeror ceases to support the product.	1 2 3 4

C	SYSTEM SUPPORT REQUIREMENTS	Codes
C6	<p>Training Requirements: The vendor must provide the training to technical administrators and CVIEW users according to the requirements provided below. Two “rounds” of training will be required: the first following installation of the Base CVIEW / SAFER interface and certification for SAFER downloads; the second following the implementation of the Arkansas-specific requirements, interface with state systems and certification of the CVIEW for SAFER uploads.</p>	1 2 3 4
C.6.1	<p>Initial Training following install of Base CVIEW / SAFER interface and certification for SAFER downloads:</p> <p>Training time and cost considerations will include timely onsite training for DFA and AHTD systems and business personnel and AHTD enforcement staff who will use the Base CVIEW in the field. Consideration should be given to timing the initial training to dovetail with on-site requirements analysis needs. Training should include technical materials (user manuals) as required. Initial user training will require CVIEW vendor personnel on-site to perform the training. Initial training be led by or include a vendor representative with system technical expertise.</p> <p>Administrator Training Requirements: Approximately 8 persons will require administrator training. Administrator training should include (though not necessarily be limited to): set-up of user passwords / and log-on IDs, set up of user groups, use of base reporting functions, and preliminary training / discussions related to upcoming state system interface testing needs (state system interface testing, for example, to include FTP site needs,</p> <p>DFA and AHTD User Training Requirements: Approximately 32 users from AHTD and DFA will need to be trained. The training should be held in three separate sessions, two at AHTD and one at DFA. AHTD and DFA User Training should include (though not necessarily be limited to): Use of the base CVIEW query windows, and reporting functions. Discussion should be provided regarding upcoming planned functionality.</p>	1 2 3 4
C.6.2	<p>Second Round of Training following implementation of interfaces to state systems, Arkansas-specific requirements, and CVIEW certification for SAFER uploads:</p> <p>Training time and cost considerations will include timely onsite training for DFA and AHTD systems and business personnel and AHTD enforcement staff who will use CVIEW query / reporting capabilities. Training should include technical materials (user manuals) as required. Training will require CVIEW vendor personnel on-site to perform the training. Training should be led by or include a vendor representative with system technical expertise.</p> <p>DFA and AHTD User Training Requirements: Approximately 32 users from DFA and AHTD will need to be trained. The training should be held in three separate sessions, two at DFA and one at AHTD. DFA and AHTD User Training should include (though not necessarily be limited to): Use of the full set of CVIEW query windows and reporting functions, including set-up and use of the pass / fail query capabilities; set-up and use of reporting functions.</p> <p>System Administrator Training Requirements: 3 persons will require training on server support (should the server be housed in Arkansas), interface monitoring and maintenance, and reporting. 8 persons will need to be trained on user support, including but not limited to use of the full set of CVIEW query windows and reporting functions, including set-up and use of the pass/fail query capabilities, set-up and use of the reporting functions, CVIEW update schedules, and procedures to report errors.</p>	1 2 3 4

C	SYSTEM SUPPORT REQUIREMENTS	Codes
C6.3	Training shall be on-going as vendor rolls out new versions and capabilities. Specifics of the ongoing training shall be software operation and function as related to new version / capabilities; changes in set-up and administration of users, user groups, query and reporting capabilities; changes in use of query and reporting functions; new functions or new business processes that are added as system upgrades. On-going training may be provided via “webinar”.	1 2 3 4
C6.4	Training materials shall be customized to meet the business need of AHTD and DFA. Copies of user guides, functional materials, shall be provided to support all staff utilizing the system. Materials shall not be copyrighted.	1 2 3 4
C6.5	If requested by the Arkansas, the vendor shall be available for and attend periodic partnering workshops to maintain quality assurance and problem resolution.	1 2 3 4
C7.	Maintenance: Maintenance after the initial install shall be provided within 2 hours from time of notification, with up to 12 hours to resolve problems. If the state elects not to contract for maintenance, a warranty for “bugs” / defects will be required for reasonable period time, not to be less than 90 days from date of acceptance of the system by the state.	1 2 3 4
C8	Service and Maintenance Reports: Monthly service and maintenance reports shall be provided electronically to AHTD and DFA. Reports shall include work performed, duration of function, recommended additional services. As length of downtime is critical to this operation, the contractor shall provide a monthly tally of down time experience.	1 2 3 4
C9	Vendor Coordination: The CVIEW vendor shall coordinate with the following Arkansas vendors to provide implementation/deployment and maintenance services to the state of Arkansas:	1 2 3 4
C9.1	<b>Optional Task:</b> Coordination with ACIC switch vendor(s) : The CVIEW vendor shall coordinate with the ACIC Switch Vendor, CPI, to send automated queries from the CVIEW to ACIC, and return responses from ACIC. The format of data received and sent to ACIC will be in a format specified by the ACIC switch vendor. The CVIEW vendor shall also coordinate with the ACIC switch vendor to test and maintain those interfaces.	1 2 3 4
C9.2	<b>Optional Task:</b> Coordination with Weigh Station System Vendor : The CVIEW vendor shall coordinate with the Weigh Station System vendor to determine the format and communication methods for queries from the weigh station system to CVIEW and for responses sent to the Weigh station system from CVIEW. CVIEW vendor shall also coordinate with Weigh Station vendor to test the developed interface(s)	1 2 3 4
C9.3	Coordination with the IRP/IFTA System Vendor: The CVIEW vendor shall coordinate with the IRP/IFTA System Vendor, IBM/Celtic, to develop, test, and maintain the interface between CVIEW and the IRP/IFTA system as related to both CVISN and PRISM functionality.	1 2 3 4
C9.4	Coordination with the OS/OW System Vendor: The CVIEW vendor shall coordinate with the OS/OW System Vendor, Bentley Inc., to develop, test, and maintain the interface between the CVIEW and the OS/OW system.	1 2 3 4
C10	License Agreements: The Contractor will grant the State of Arkansas an enterprise license to use the CVIEW statewide at any location and any number of locations as determined by the AHTD and DFA. There will be no limitation of the number of workstations using the software at any location. In addition, the contractor shall grant Arkansas the authority to copy and distribute all installation and software disks and instruction manuals to participating locations statewide. Responses to the RFP must include descriptions of the software licenses being provided for the CVIEW system and supporting software, such as databases, reporting software, etc. A description of each software license must indicate the type of license such as enterprise, server, concurrent user, active user, DB size, and all other factors that may limit Arkansas’ use of the software.	1 2 3 4
C11	A three-year warranty is required for all vendor supplied third party software and all vendor supplied hardware.	1 2 3 4

C	SYSTEM SUPPORT REQUIREMENTS	Codes
C12	Phone Technical Support available on normal business days, including at least 4 hours between the hours of 8 AM and 4 PM Central Standard Time.	1 2 3 4
C13	On-line help must be available for the manual query interface, pass/fail criteria selection screens, and all other screens available to users and state system and group administrators. Help screens shall include examples and screen shots to aid the users in understanding system use. The help screens shall be updated with each system release and upgrade to reflect the revised system operation.	1 2 3 4
C14	Documentation and instructional information must be available for CVIEW maintenance and support operations that are to be carried out by the state. This documentation must be updated with each system release and upgrade to reflect the new/upgraded system functions.	1 2 3 4

**4.2.4 Project Management and Schedule Requirements**

D	PROJECT MANAGEMENT AND SCHEDULE REQUIREMENTS	Codes
D1	The selected Offeror will produce monthly status reports and hold a twice-monthly teleconference to discuss project status, needs, next steps, etc. Please provide a proposed sample status report as part of the response. The Offeror will modify this report template as required by Arkansas.	1 2 3 4
D2	<p>Change Requests: Arkansas will establish a CVIEW Change Control Board that will evaluate all requested changes to the CVIEW that occur during project implementation, deployment, and maintenance periods. The selected offeror will be required to assist the state of Arkansas in evaluating each requested change by providing information as requested as related to:</p> <ol style="list-style-type: none"> <li>1. technical business impacts,</li> <li>2. costs,</li> <li>3. testing requirements,</li> <li>4. the size and complexity of the requested change</li> <li>5. possible alternatives</li> <li>6. schedule and schedule impacts</li> <li>7. risks introduced by the proposed change</li> <li>8. impact on core CVISN compatibility</li> </ol> <p>The CVIEW Change Control Board will meet periodically to review requested changes. If requests are approved, the selected offeror will be requested to schedule the implementation of the change.</p>	1 2 3 4
D3	Offeror project team members may directly or indirectly receive access to criminal justice information via the project. Project members will be required to pass a fingerprint background check. Project members who cannot pass this check will be ineligible to participate in the project.	1 2 3 4

D	PROJECT MANAGEMENT AND SCHEDULE REQUIREMENTS	Codes
D4	<p>Acceptance Testing: The selected offeror shall use the following acceptance testing procedures:</p> <ol style="list-style-type: none"> <li>1. Prior to development of new functionality, the selected offeror shall develop an acceptance test plan. The test plan will include test procedures, suggested tests, and format for reporting test results.</li> <li>2. New functionality will be delivered to Arkansas for acceptance testing only after the vendor has successfully completed unit and system testing, demonstrating that the software meets the specified requirements.</li> <li>3. A vendor representative shall be on-site to participate in the initial acceptance testing of released functionality.</li> <li>4. Dependent on test results, the vendor may be required to make modifications to the software and re-release software for further acceptance testing.</li> </ol>	1 2 3 4
D5	<p>The base CVIEW install and Volpe certification for downloads shall be completed within 3 months of Notice to Proceed.</p> <p>The base CVIEW shall include a baseline download from SAFER, daily updates from SAFER, and basic query windows to allow users to query and view data downloaded from SAFER.</p>	1 2 3 4
D6	<p>The initial user training for the Base CVIEW shall be completed within 4 months of the Notice to Proceed.</p>	1 2 3 4
D7	<p>CVIEW interfaces with Arkansas Systems: The selected offeror will develop an interface control document (ICD) for all interfaces between the CVIEW and Arkansas systems. The ICD will contain information on interface type (web service, flat file, etc.), frequency of update, baselining procedures, data quality rules and error responses, and description of development responsibilities. The ICD will also contain sample data exchange files/formats for each interface, and a data dictionary that describes:</p> <ol style="list-style-type: none"> <li>1. the contents of each data element passed,</li> <li>2. the data transfer tag name (if needed),</li> <li>3. the data element name on the CVIEW system,</li> <li>4. the data element name on the Arkansas system,</li> <li>5. the format/size of the data on both systems,</li> <li>6. data format/size translations that need to occur,</li> <li>7. if the data element is mandatory or optional,</li> <li>8. and any data quality rules and / or restrictions on data element values that will be enforced on the data element.</li> </ol> <p>The process for developing the ICD will be as follows:</p> <ol style="list-style-type: none"> <li>1. The selected offeror shall develop a draft ICD based on the materials presented in the RFP.</li> <li>2. The selected offeror shall hold an on site meeting to review each interface presented in the draft ICD with business persons and technical persons responsible for each interface. Vendor representative must be on-site for these meetings.</li> <li>3. The selected offeror shall modify and complete the ICD based on information from the individual on-site meetings.</li> <li>4. The completed ICD shall be submitted to Arkansas for approval prior to interface development initiation.</li> </ol>	1 2 3 4

**Section 5.0 EVALUATION AND AWARD**

**5.1 Evaluation:**

Proposals will be evaluated on the conditions contained in this solicitation. The points will be awarded based on how well the proposal fulfills the needs of the Department. Each proposal will be evaluated independently. Each proposal will receive the points for meeting or exceeding each individual RFP requirement. Points will be awarded as follows:

Individual Requirements:	
Vendor Qualifications	150 points
Cost Evaluation	250 points
Response to State Requirements	350 points
Project Work Plan, Staffing, and Management	250 points

**Maximum possible points for each proposal 1000 Points**

During the evaluation, the Evaluation and Selection Committee reserves the right to hold discussions with Offerors to obtain clarification of pertinent items in their proposals. Any such discussions may only address services offered in the Offeror’s proposal; the offering may not be changed or altered. These discussions will be in accordance with applicable state procurement procedures. However, the state reserves the right to make an award without further support of the proposals received. Therefore, it is important that each proposal be submitted in the most favorable manner possible.

**5.2 Award:**

Any award will be made based upon the evaluation of all proposals received in response to this solicitation and the determination of the proposal or proposals considered to be the “most advantageous to the Department.” The Department reserves the right to accept or reject in whole or in part any and all proposals submitted, to award to more than one vendor, to waive any minor technicalities when it is in the best interest of the Department, and to negotiate the terms of the contract, including the award amount, with the selected vendor prior to entering into a contract. If contract negotiations cannot be concluded successfully with the highest scoring vendor, the Department may negotiate a contract with the next highest scoring vendor.

The RFP and the proposal of the successful Offeror shall be incorporated into and form the basis of a legal contract. The contract will also include the provisions set forth in the standard state contract as well as any additional clauses or provisions required by federal or state law or regulation in effect at the time of execution of the contract.

The parties will enter into a contract for the required products and services covering a period of twenty-four (24) months, with the possibility of one 12 month extension at AHTD’s discretion. The contract may be amended to include additional work.

The contract offered will be subject to available budgetary appropriations and shall not create any obligation on behalf of the Department more than such appropriations. In the event that the amount of funds appropriated is such that the Department must restrict or terminate funding for this contract, the contract shall be terminated thirty (30) days after written notification from the Department to the vendor.

**5.3 Type of Contract:**

It is expected that a fixed price contract will be awarded as a result of this procurement.

The Department reserves the right to make a contract award without any further discussion with the bidders regarding the proposals received. Therefore, proposals should be clear and detailed about the price, software, and services offered; and respond to all points in the RFP. The Department, however, reserves the right to conduct discussions with any responsive or potentially responsive offerors who submit proposals determined to be reasonably likely of being selected for award, and to request clarification / best and final offers.

Arkansas State Highway and Transportation Department  
Request for Proposal No. RFP-10-003H  
Commercial Vehicle Information Exchange Window (CVIEW)

**\*\*\*\*\*This Page MUST be completed, properly signed, and returned for proposal to be considered.\*\*\*\*\***

**Section 6.0 OFFER AND ACCEPTANCE**

**6.1 Offer:**

I, the undersigned, affirm that this proposal is made on behalf of the below-named company/individual, for whom I have legal authority to commit to the terms and conditions set forth in the RFP and this response, to which we agree to be bound if this proposal is found acceptable by the Department; and that this proposal is made without any collusion or coercion on the part of any person, firm, corporation or other entity.

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Representative: \_\_\_\_\_

City: \_\_\_\_\_

Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**(Must be original, no photocopies, and in ink)**

**6.2 Acceptance: (FOR AHTD USE ONLY)**

Accepted: \_\_\_\_\_

By: \_\_\_\_\_

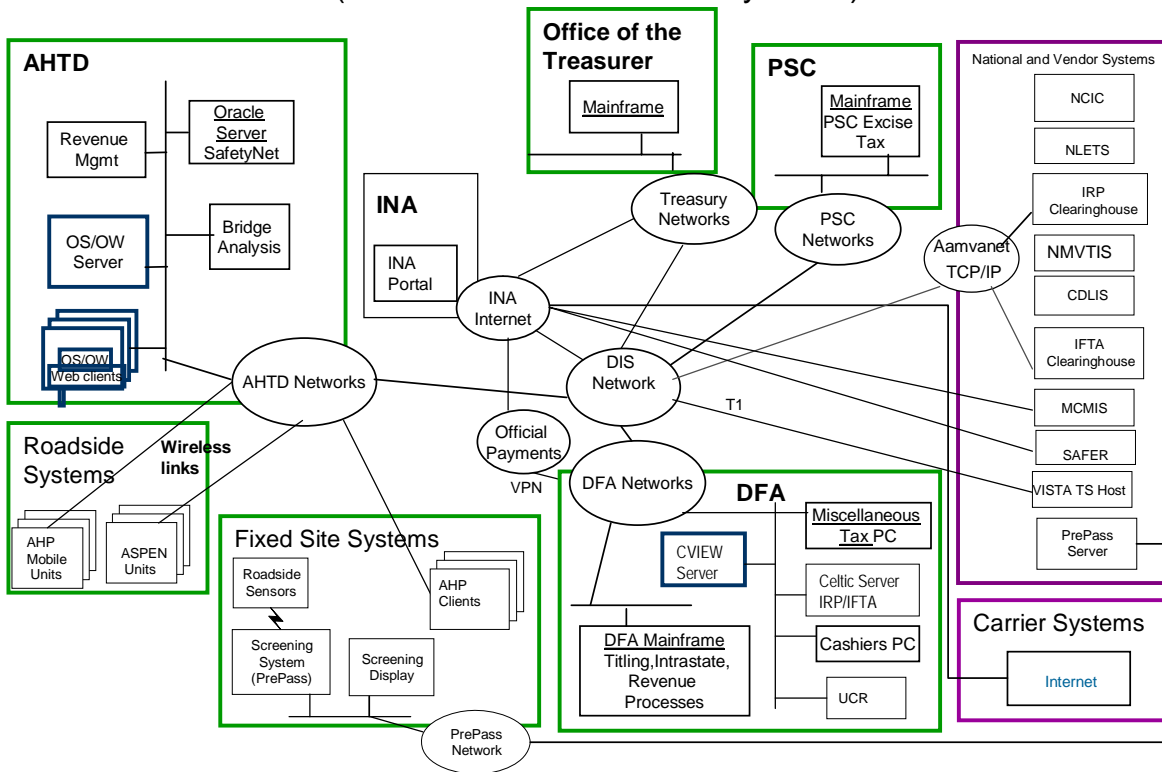
Date: \_\_\_\_\_

**Appendix A. Background on State Systems to be Interfaced with CVIEW**

Communications from Legacy Credentialing Systems to CVIEW will occur using TCP/IP protocol. Network lines are in place between AHTD and DFA through the DIS Network Routers as indicated in Figure A-1.

**Figure A-1. Arkansas Network Communications / Connectivity**

**Arkansas Host Computers and Networks Template**  
 ( ——— New or Revised Systems)



**Description of State Systems to be interfaced with CVIEW**

**DFA IRP System:** DFA uses an IRP system developed by IBM/Celtic. The IRP system includes approximately 4,196 accounts, and 15,211 power units. The IBM/Celtic developed IRP system resides on a Windows 2003 Server, using DB2 on DFA networks. IRP data will be initially transmitted to the CVIEW through a full extract file with XML format. Subsequently, updates will be transmitted nightly to the CVIEW server using XML format

**DFA IFTA System:** DFA currently uses the ACS IFTA system. This system is scheduled to be replaced, with the new system being developed by IBM/Celtic and operational in 2009. The IFTA system includes approximately 3500 accounts.

The IBM/Celtic developed IFTA system will reside on a Windows 2003 Server, using DB2 on DFA networks. IFTA data will be initially transmitted to the CVIEW through a full extract file with XML format. Subsequently, updates will be transmitted nightly to the CVIEW server using XML format

**DFA UCR System:** DFA uses the Indiana UCR system. This system is accessed by DFA through a web browser. The Indiana UCR system provides all new registration data and registration updates to SAFER. The CVIEW system will

download UCR data from SAFER. These downloads will include Arkansas UCR registrations as well as registrations from other jurisdictions.

**AHTD AHP OS/OW System:** The AHP OS/OW system was developed by Bentley and is housed at AHP. The system consists of 5 servers: the IIS web server, the SQL 2000 server (running on a Dell Power Edge 2650), the MS Exchange server for email communications with applicants; the fax server for faxing of permits; and the SAN file server to store Adobe PDF versions of issued permits. The CVIEW system will interface with OS/OW server to obtain information that identifies each permit, and to obtain the Adobe PDF permits to display, as requested by the user, on the CVIEW user interface.

**DFA Motor Vehicle Registration System:** In Arkansas, intrastate commercial vehicles are registered through the DFA Motor Vehicle Registration system. This system is IBM mainframe based and uses DB2 for data management. The DFA Motor Vehicle Registration system will be interfaced with the CVIEW, and intrastate commercial vehicle data will be transmitted to the CVIEW server in a flat file format.

### **Optional State Interfaces:**

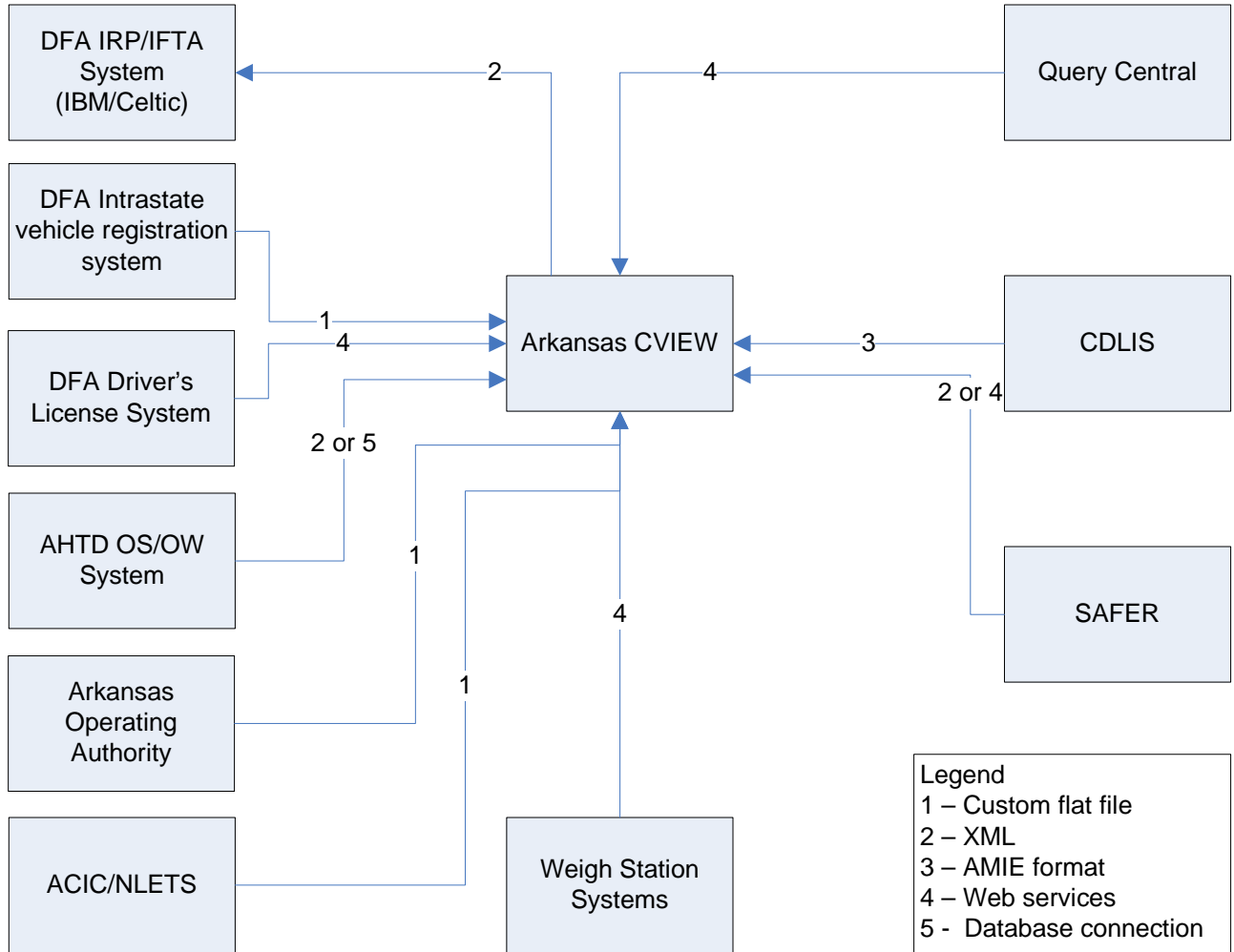
**AHTD ACICs Switch** – The ACIC switch is provided by the vendor Computer Projects of Illinois (CPI) and is the conduit for AHP queries to the national NCIC and Nlets networks. CVIEW would generate ACIC formatted driver and vehicle queries and transmit them to the ACIC Switch. Query responses would be returned from the ACIC switch to the CVIEW.

**AHTD Weigh Station Interface** – Arkansas is implementing an automated Weigh station on US64. The Weigh station may in the future include License Plate Readers and Optical Character Recognition(OCR) technologies for identification of the carrier and vehicle and WIM devices. In addition, manned weigh stations with OCR may be implemented at other locations in the state. The OCR and WIM systems will send data to the Weigh station interface, which will send a query to CVIEW containing the plate number and state (and/or USDOT number), and total weight from the WIM reading. CVIEW shall return a pass/fail response or an error indicator if carrier or vehicle was not found.

**DFA Driver's License System Interface** - The Arkansas Driver's License system is a mainframe system located on DFA networks. The CVIEW will interface with the Driver's License System to obtain driver images for Arkansas based driver's licenses. The interface will be a web service interface, with CVIEW providing the driver's license number to the Arkansas Driver's License system and receiving either an image stream or error message in return.

**Arkansas Intrastate Authority** – This system is currently undeveloped. Should Arkansas choose to develop an Arkansas Intrastate Authority system, an interface to CVIEW may be requested.

**Diagram of Systems to be interfaced with CVIEW**



**Description of Fixed Scale Communications Environment**

The majority of weigh stations are connected to the AHTD central networks through fiber communication lines. However, 4 stations, Ashdown, Hope East, Hope West, and Springdale, currently use 56Kbps Frame Relay for connections to the AHTD networks. Three of these stations, Hope East, Hope West, and Springdale are relatively high volume and open frequently, and the communication speeds currently available at those stations are not fast enough to support operational needs. AHP plans to upgrade these three stations to fiber lines.

**Description of Mobile Communications Environment**

Arkansas Highway and Transportation Department (AHTD) Highway Patrol (AHP) provides wireless access for MCSAP officers. The wireless cards in officer laptops use EDGE and 3G technologies to provide coverage over approximately 90% of the state. Patrol officer's laptops are connected through a VPN to the AHTD central network. From the AHTD networks officers may access Federal and State Internet sites.

AHTD requires that weigh station and patrol officers link to the AHTD network, and from the AHTD network, connect to the Internet. The AHTD network contains software that restricts access to Internet sites except those specifically authorized by AHTD.

**Appendix B. Over Size / Over Weight Permit System Data Elements**

The CVIEW must receive and store the following data elements, at a minimum, from the Over Size / Over Weight Permit System. In addition, the CVIEW must display the image of the permit in the manual query interface.

OS/OW DATA ELEMENT NAME	DATA ELEMENT DESCRIPTION	FORMAT	MANDATORY (1)
USDOT	USDOT	Varchar(2)	Optional
TrkLic	Plate Number	Varchar(10)	Mandatory
TrkState	Plate Jurisdiction	Char(2)	Mandatory
VehicleID	VIN	Varchar(20)	Mandatory
GrossWt	Permitted Weight	int	Optional
PermitImage (2)	Link to the Adobe PDF image of the issued permit	Varchar(120)	Mandatory
PermitID	Permit Number	Varchar(10)	Mandatory

1. A “Mandatory” designation means that this data element will be present in all transactions. An “Optional” designation means that the data is optional in the transaction coming from the OS/OW system, but if the data value is present, CVIEW should read, process and store the data element.
2. PermitImage is not a data element name in the OS/OW system, but if an XML transaction is implemented between the OS/OW system and the CVIEW, PermitImage will be the XML tag name for the data element.

The Data listed above will be transmitted to CVIEW by means of:

- 1) An XML transaction placed on the CVIEW server within 15 minutes of permit issuance;
- 2) Or, if the CVIEW server and OS/OW server resides on the same network, a database connection between the two servers will be established to transfer data from the OS/OW system to the CVIEW.

CVIEW will allow the user to access the Adobe PDF copies of the OS/OW permits by selecting the link listed in the data element PermitImage. Permit image file names are constructed by the OS/OW system as follows:

Output\_<tripRequestID>\_<HaulerID>\_<PermitID>.pdf

And example of an Adobe PDF file name is: *output\_2139830\_8805\_757309.pdf*.

### **Appendix C. Intrastate Vehicle Registration Data Elements**

The CVIEW must receive and store the following data elements, at a minimum, from the Intrastate Vehicle Registration System. The list of data elements is structured to allow the storage of intrastate vehicle registration data in the same CVIEW tables as IRP data.

INTRASTATE REGISTRATION DATA ELEMENT NAME	DATA ELEMENT DESCRIPTION	FORMAT (2)	MANDATORY (1)	NOTES
D0152-VIN	Vehicle Identification Number (VIN)	PIC X(30)	Mandatory	
D0152-TITLE-NBR	Title Number	PIC X(12)	Optional	
	Title Country Code	PIC X(2)	Optional	The Intrastate Registration System may not provide this value. If not provided, CVIEW will set this value to 'US' in the CVIEW database
	Title Jurisdiction Code	PIC X(2)	Optional	The Intrastate Registration System may not provide this value. If not provided CVIEW will set this value to 'AR'
D0146-LAST-NAME	Owner Last Name	PIC X(20)	Optional	CVIEW will need to combine Owner last name, first name, and suffix and place result in CVIEW Owner name field.
D0146-FIRST-NAME	Owner First Name	PIC X(20)	Optional	CVIEW will need to combine Owner last name, first name, and suffix and place result in CVIEW Owner name field.
D0146-SUFFIX	Owner Name Suffix	PIC X(3)		CVIEW will need to combine Owner last name, first name, and suffix and place result in CVIEW Owner name field.
D0146-COMPANY-NAME	Company Name	PIC X(40)	Optional	CVIEW may place this data in the Operator Field.
D0152-INSP-ICC-DOT-NBR	Registrant USDOT number	PIC X(9)	Optional	
D0143-YEAR-MODEL	Model Year	PIC S9(3)V USAGE COMP-3	Mandatory	
D0143-MAKE-ABBR	Make	PIC X(4)	Mandatory	
D0112-LICENSE-USE-CODE	Vehicle Use Class Code	PIC X(2)	Optional	CVIEW will need to translate codes received from the Intrastate Registration System into CVIEW codes. A list of Vehicle Use Class Codes is provided in Exhibit C-1.
D0143-MODEL-ABBR	Model	PIC X(3)	Optional	
D0152-FUEL-CODE	Power Type Code	PIC X(1)	Optional	CVIEW may need to translate codes received from the Intrastate Registration System into CVIEW codes.
D0143-UNLADEN-WGHT	Unladen Weight	PIC S9(9) USAGE COMP	Optional	
D0152-NBR-OF-AXLES	Number of Axles or Seats	PIC S9(4) USAGE COMP	Optional	

INTRASTATE REGISTRATION DATA ELEMENT NAME	DATA ELEMENT DESCRIPTION	FORMAT (2)	MANDATORY (1)	NOTES
D0152-LICENSE-NBR	License Plate Number	PIC X(10)	Mandatory	
	Base Country	PIC X(2)	Optional	The Intrastate Registration System will not provide this value. CVIEW will set the value to 'US' in the CVIEW database.
D0152-STATE-CODE	License Plate Base Jurisdiction (State/Province)	PIC X(2)	Mandatory	
	Vehicle Last Update Date	PIC X(10)	Mandatory	Value not available in Intrastate Registration System. The Intrastate Registration system will set this value to the date the file was created for transmitting to CVIEW.
	Interstate / Intrastate Flag	PIC X(1)	Mandatory	The Intrastate Registration system will not provide this value. CVIEW will set the value to '0' in the CVIEW database.
D0152-STATUS	Vehicle Status Code	PIC X(1)	Mandatory	CVIEW will need to translate the Intrastate Vehicle Registration Status codes into CVIEW status codes. A list of codes may be found in Exhibit C-2.
D0152-EXAM-RLSE-DATE	Vehicle Status Update Date	PIC X(10)	Mandatory	
	Intrastate Account Number	PIC S9(11)V USAGE COMP-3	Mandatory	This value will not be provided by the Intrastate Registration system. CVIEW should automatically set this value to the plate state and plate number.
	Fleet Number		Mandatory	The Intrastate Vehicle Registration System will not provide this value. CVIEW should automatically set this value to '1'.
D0152-VEH-EVENT-DATE	Vehicle Registration Start Date	PIC X(10)	Mandatory	
D0152-EXPIRATION-DATE	Base Vehicle Registration Expiration Date	PIC X(10)	Mandatory	
D0152-WEIGHT	Registered Weight	PIC S9(9) USAGE COMP	Mandatory	

- (1) A "Mandatory" designation means that this data element is deemed to be a required value in the CVIEW database. An "Optional" designation means that the data is optional in the flat file coming from the Intrastate Vehicle Registration System, but if the data value is present, CVIEW should read, process and store the data element.

(2) Represented as COBOL formats

The Data listed above will be transmitted to CVIEW by a flat file interface with CVIEW. Initially, a full commercial vehicle extract will be sent to the CVIEW as a baseline. Subsequently, updates will be sent nightly using the same flat file format. The format of the flat file will be determined by DFA.

Exhibit C-1. Vehicle Use Class Codes

CODE	DEFINITION
TV	B / C / D / E / H / J Class Commercial Tow Truck
TK	B / D / E / H / J / K Class Commercial Truck / Title Purpose Only Non-dealer Commercial Trucks / Commercial Trucks for Title Purpose Duplicate Title / Title Only Commercial Trucks Suspense Release
B6	Apportioned Commercial
TK	C Class Commercial Truck
KC	Handicapped for K Class Commercial Truck / Game and Fish for K Class Commercial Truck
JC	Handicapped for J Class Commercial Truck / Game and Fish for J Class Commercial Truck
HC	Handicapped for H Class Commercial Truck / Game and Fish for H Class Commercial Truck
EC	Handicapped for E Class Commercial Truck / Game and Fish for E Class Commercial Truck
DC	Handicapped for D Class Commercial Truck / Game and Fish for D Class Commercial Trucks
CC	Handicapped for C Class Commercial Truck / Game and fish for C Class Commercial Truck
BC	Handicapped for B Class Commercial Truck / Game and fish for B Class Commercial Trucks
DT	Dealer Commercial Trucks Admin Replace / Title Purpose Only Dealer Commercial Trucks / Dealer Commercial Trucks Exam Replace / Dealer Commercial Trucks Suspense Release

Exhibit C-2. Vehicle Registration Status Codes

CODE	DEFINITION
1	In Suspense
Z	Suspense in process
2	Release with Title
3	Release w/o title
4	Formerly in Suspense
5	Examine in Process
6	Cont Process W/O TTL
7	Cont Process W TTL
8	Release in Progress
0	Formerly Examined N
9	Formerly Examined
S	Select F-memo
A	Approved F-memo
C	Cancelled event
F	Cancelled F-memo
R	Cancelled - Redund
O	Cancelled – Copied
B	Back up / Restored
X	Event to be moved
M	Moved Events
V	Copied Event
I	Initiate Dmemo
U	Use Dmemo

CODE	DEFINITION
Y	Used Fmemo
N	Normal Status
W	Previous Updated Susp.
G	Update in Process

## **Appendix D. Arkansas Intrastate Authority Interface**

Currently, AHTD does not have a computer system in place to track Arkansas Intrastate Authority. AHTD may choose to implement a computer system at a future date. If a computer system is developed, AHTD may elect to interface the Arkansas Intrastate Authority system with the state CVIEW. A preliminary list of data elements that may be transmitted to the state CVIEW are listed below. A data dictionary is not provided for these data elements, as no computer system currently exists.

### Data Elements to be transmitted to the CVIEW may include, but are not limited to:

- Carrier / Individual Name
- DBA Name
- Carrier Business Address
- State Motor Carrier Number
- USDOT
- Tax ID Number
- Type of Business (Corporation, Individual, Partnership)
- Type of Registration (Truck operation, mobile homes, bus)
- Registration Year
- Registration Status
- Number of Vehicles
- Insurance coverage details
- Hazardous Material Hauling (will not haul, will haul, and if hauling hazardous materials the amount of property damage insurance)
- Vehicle information (for each vehicle the following data elements will be provided)
  - Vehicle Year
  - Vehicle Make
  - Vehicle Model
  - VIN
  - Vehicle Capacity
  - Date Vehicle was placed in service
  - If vehicle is fully owned, partially owned, or leased.

**Appendix E. ACIC Switch Queries**

The CVIEW will query ACIC for information about lost/stolen plates, stolen vehicles, driver criminal history indicator and active warrants, driver’s license status, restrictions, and endorsements, and vehicle registration information. When an AHP user or weigh station system issues a query on a vehicle or driver, the CVIEW will query ACIC. ACIC will return a response to the CVIEW.

In Arkansas, the ACIC switch provides automated access to the Arkansas Crime Information Center (ACIC), the National Crime Information Center (NCIC), and the National Law Enforcement Telecommunication System (Nlets). CVIEW will send queries to the ACIC switch, and ACIC will determine if the queries should be sent on to NCIC and Nlets. All responses from NCIC, Nlets, and ACIC will be delivered to CVIEW from the ACIC switch. Additional information on the Nlets and NCIC queries is provided below.

For mobile patrol queries, CVIEW will provide for Advanced Authentication using tokens for ACIC sign-in. Communications between ACIC and CVIEW must comply with the current copy of the FBI’s CJIS security policy. The CVIEW/ACIC interface shall meet the approved form of advanced authentication and data encryption as specified in the beforementioned security policy.

**Description of Data and Services Provided by Nlets**

The National Law Enforcement Telecommunication System (Nlets) is made up of representatives of law enforcement agencies from each of the 50 states, the District of Columbia, Puerto Rico, U.S. Virgin Islands, many Federal law enforcement agencies and the National Insurance Crime Bureau (NICB). There are also connections to the Canadian Police Information Centre (CPIC) and the Mexican Licencia Federal Information System (LIFIS).

Nlets is a message switching system linking local, state, and federal agencies together to provide the capability to exchange criminal justice and public safety related information by means of computers, terminals, and communication lines. Nlets links the state computers together via high-speed frame relay circuits.

The Arkansas CVIEW will use two types of data available through Nlets:

- ***Driver’s License Information*** – this information would be requested through Driver Queries and information returned through Driver Responses in the event that a CDLIS query times out prior to return of data.
- ***Vehicle Registration Information*** – this information would be requested through Registration Queries and information returned through Registration Responses in the event that the vehicle is not found in SAFER.

**CVIEW / Nlets Transactions**

QUERY	QUERY DESCRIPTION	RESPONSE	RESPONSE CONTENTS
DQ	US and MX Driver Query	DR	For US and MX Driver Status; Driver’s License Details; Driver’s License Commercial Status
RQ	US Registration Query	RR	For US Plate Number and State; Registration Expiration Date; Registration Effective Date
UQ	Canadian Driver Query	UR & WR	For Canadian Driver Status; Driver’s License Details; Driver’s License Commercial Status
XQ	Canadian Registration Query	XR & VR	For Canadian Plate Number and State; Registration Expiration Date; Registration Effective Date

**Description of data and services provided by NCIC**

The Federal Bureau of Investigations (FBI) National Crime Information Center (NCIC) provides information on wanted persons, criminal records, fugitives, stolen property and missing persons. NCIC operates 24 hours per day, 365 days per year. NCIC is accessible only by federal, state, and local law enforcement and other criminal justice agencies. Data contained via NCIC is provided by the FBI, federal, state, local and foreign criminal justice agencies and courts.

The purpose of NCIC is to allow criminal justice agencies/persons to make inquiries and receive prompt responses through NCIC from other criminal justice agencies about crimes and criminals. This information assists authorized

agencies in criminal justice objectives, such as apprehending fugitives, locating missing persons, locating and returning stolen property, as well as in the protection of the law enforcement officers encountering the individuals described in the system.

The CVIEW may request stolen vehicle, stolen/lost license plate, and active warrant information from ACIC/NCIC. Criminal history may also be requested if the CVIEW user provides a valid reason code. Note that criminal history information, due to security requirements, shall not be displayed on officer laptop computers. Instead, an indicator will be displayed that specifies if criminal history is present.

**Appendix F. Weigh Station Management System Queries**

Arkansas will be implementing a Virtual Weigh station on US64 with mainline WIMs. The Virtual Weigh station may include cameras and OCR devices to read and digitize the plate numbers and/or USDOT numbers. Arkansas may also implement OCR technologies at other fixed weigh stations in Arkansas. The OCR and WIM systems will send the data to the Weigh Station System, which will send a query to CVIEW containing the plate number and/or USDOT , and weight as shown in Exhibit F-1. CVIEW shall return a pass/fail response or an error indicator if carrier or vehicle was not found. Additional information will also be returned as specified in Exhibit F-2.

Depending of the pass/fail factors used in the weigh station screening decision, the CVIEW may need to query ACIC for additional vehicle registration information, and for lost/stolen plate and stolen vehicle information. Additional information on ACIC queries may be found in Appendix E.

The queries from the Weigh station system to the CVIEW will be performed by a web service call. The CVIEW vendor will develop a web service that may be consumed by the Weigh station system, and queries will be made in XML format. Exhibit F-3 shows sample XML query inputs, and Exhibit F-4 shows sample XML query outputs. XML schema files will be developed by the selected CVIEW vendor in coordination with the Weigh Station System vendor.

Exhibit F-1. Weigh Station Query Input Parameters

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
TransactionIdentifier	An integer used to identify the query. Number is generated by the Weigh station software.	Character length 20 of format:  YYYYMMDDHHMMSSWWXXXX  Where: YYYY – 4 digit year MM – 2 digit month DD – 2 digit day HH – 2 digit hour (24 hour format) MM – 2 digit minutes SS – 2 digit seconds WW – weigh station number XXXX – 4 digit transaction identifier	YES	20080425234434010001	Data example shows a transaction number 0001 for April 25, 2008 at 11:44:34, weigh station 01.

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
LicensePlateNumber	The vehicle license plate number	Character - maximum length 12.	CONDITIONAL MANDATORY. Either the USDOT or the LicensePlateNumber must be provided.	P127854	No leading spaces should be included in this value.
LicensePlateState	The 2-character jurisdiction code for the license plate. (Exhibit I-6 contains a list of valid jurisdiction codes.)	Character - length 2	OPTIONAL	AZ	OCR devices may not capture the license plate state.
USDOT	The USDOT number of the carrier	Character – maximum length 12.	CONDITIONAL MANDATORY. Either the USDOT or the LicensePlateNumber must be provided.	34098	No leading zeros or spaces should be included in this value.
WIMTotal	WIM measured total weight of the vehicle	Numeric(10,2)	NO	81552.00	Weigh Station software should not round up WIM weights.

Exhibit F-2. CVIEW Query Results (Note that in the case of multiple instances of a plate number for differing jurisdictions, CVIEW will return an XML file containing a record that follows the format below for each plate found.)

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
TransactionIdentifier	An integer used to identify the query. The Weigh station software generates this number and CVIEW returns it to Weigh station software with the results of the query.	Character length 18 of format:  YYYYMMDDHHMMSSWWXXX X  Where: YYYY – 4 digit year MM – 2 digit month DD – 2 digit day HH – 2 digit hour (24 hour format) MM – 2 digit minutes SS – 2 digit seconds WW – weigh station number XXXX – 4 digit transaction identifier	YES	20080425234434010001	Data example shows a transaction number 0001 for April 25, 2008 at 11:44:34, weigh station 01.
LicensePlateNumber	The vehicle license plate number for which the query was performed.	Character - maximum length 12.	CONDITIONAL MANDATORY. Must be provided if the value existed in the Weigh Station input parameters.	P127854	No leading spaces should be included in this value.
LicensePlateState	The 2-character jurisdiction code for the license plate. (Exhibit I-6 contains a list of valid jurisdiction codes.)	Character - length 2	CONDITIONAL MANDATORY CVIEW must return the LicensePlateState for the plate number found.	AZ	

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
USDOT	The USDOT number of the carrier for which the query was performed.	Character – maximum length 12.	CONDITIONAL MANDATORY. Must be provided if the value existed in the Weigh station software input parameters.	34098	No leading zeros or spaces should be included in this value.
PassFlag	The pass/fail flag for the vehicle or carrier	Character – length 1 Possible Values: 1 – pass 0 - fail	YES	1	Pass value should be given if vehicle or carrier passes all checks. Otherwise a fail value should be given.
OSOWPermitFlag	Flag indicating if a OSOW Permit is in effect for the vehicle.	Character – length 1 Possible Values: 1 – a current OSOW permit is in effect for this vehicle 0 – no current OSOW permit exists for this vehicle.	CONDITIONAL MANDATORY. Must be provided if the LicensePlateNumber is provided.	0	
OSOWPermitLink	A URL link to a copy of the OSOW permit. If more than one permit is currently valid, a link will be provided for each permit.	Character – maximum length 200	CONDITIONAL MANDATORY. Must be provided if the OSOWPermitFlag has a value of '1'.		Value may be repeated if more than one permit is currently valid for the vehicle.

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
CompletionCode	Completion code for the transaction. See Exhibit I-7 for valid completion code values.	Character – length 3.	YES	001	
DetailsLink	The URL for further details on this query.	Character – maximum length 200.	CONDITIONAL MANDATORY. If CompletionCode indicates that the query was completed successfully, this value must be present.		The URL should allow direct access to the CVIEW query windows web page showing the detailed results of the query.
NumberFactors	The number of data elements in CVIEW that were considered in generating the pass/fail indicator.	Integer	CONDITIONAL MANDATORY. If the CompletionCode indicates successful completion of the query, this value must be provided	7	
FactorID	Numeric identifier for the factor.	Integer	CONDITIONAL MANDATORY. If NumberFactors is greater than 0, this value must be repeated for each factor in NumberFactors	12	A unique identifier is assigned to each factor by CVIEW.  Repeating Group.

FIELD NAME	CONTENT DESCRIPTION	FORMAT	MANDATORY?	DATA EXAMPLE	NOTES
Factor	Contains a description of the factor considered in the pass/fail query.	Character – maximum length 50	CONDITIONAL MANDATORY. If NumberFactors is greater than 0, this value must be repeated for each factor in NumberFactors.	IRP Registration Expiration Date	Repeating Group
FactorValue	Contains the value of the factor considered in the pass/fail query.	Character – maximum length 30	CONDITIONAL MANDATORY. If NumberFactors is greater than 0, this value must be repeated for each factor in NumberFactors.	05/02/07	Repeating group.  Data example shows a sample IRP registration expiration date.
Factor_Pass_Indicator	Contains an flag indicating if there was a pass or fail on that factor. 1 – Pass 0 - Fail	Character – length 1	CONDITIONAL MANDATORY. If NumberFactors is greater than 0, this value must be repeated for each factor in NumberFactors.	0	Repeating Group

Exhibit F-3. XML Query Sample Input. Note: These XML sample input layouts may be modified based on mutual agreement of selected CVIEW vendor, the State of Arkansas, and the Weigh Station System vendor.

```
<?xml version="1.0" encoding="UTF-8" ?>
<ArkansasVirtualWeighStationQueryInput xsi:schemaLocation="ToBeDetermined">
  <VirtualWeighStationQuery>
    <TransactionIdentifier>20071204223422010002</TransactionIdentifier>
    <LicensePlateNumber>P127854</LicensePlateNumber>
    <USDOT>34098</USDOT>
    <WIMTotal>81552.00</WIMTotal>
  </VirtualWeighStationQuery>
</ArkansasVirtualWeighStationQueryInput>
```

Exhibit F-4. XML Query Sample Output.

Note 1: This query example does not cover all contents possible in a query response. Additional repeating FactorInformation groups may be required to provide a full list of factors considered in the pass/fail calculation.

Note 2: These XML sample output layouts may be modified based on mutual agreement of selected CVIEW vendor, the State of Arkansas, and the Weigh Station System vendor.

```
<?xml version="1.0" encoding="UTF-8" ?>
<ArkansasVirtualWeighStationQueryOutput xsi:schemaLocation="ToBeDetermined">
  <VirtualWeighStationQueryResults>
    <TransactionIdentifier>20071204223422010002</TransactionIdentifier>
    <LicensePlateNumber>P127854</LicensePlateNumber>
    <LicensePlateState>AZ</LicensePlateState>
    <USDOT>34098</USDOT>
    <PassFlag>1</PassFlag>
```

```
<OSOWPermitFlag>1</OSOWPermitFlag>
<OSOWPermitLink>https://www.arkansascvview.state.ar.gov/Permit10401.html</OSOWPermitLink>
<CompletionCode>000</CompletionCode>
<DetailsLink>https://www.arkansascvview.state.ar.gov/AZP127854.html</DetailsLink>
<NumberFactors>3</NumberFactors>
- <FactorInformation>
  <FactorID>1</FactorID>
  <Factor>Registered Weight</Factor>
  <FactorValue>80000</FactorValue>
  <FactorPassIndicator>0</FactorPassIndicator>
</FactorInformation>
- <FactorInformation>
  <FactorID>6</FactorID>
  <Factor>Permitted Weight</Factor>
  <FactorValue>85000</FactorValue>
  <FactorPassIndicator>1</FactorPassIndicator>
</FactorInformation>
- <FactorInformation>
  <FactorID>8</FactorID>
  <Factor>Registration Expire Date</Factor>
  <FactorValue>20081010</FactorValue>
  <FactorPassIndicator>1</FactorPassIndicator>
</FactorInformation>
</VirtualWeighStationQueryResults>
</ArkansasVirtualWeighStationQueryOutput>
```

**CVIEW Processing Requirements**

**Upon receiving a Web Service call, the CVIEW should perform the following steps:**

1. Verify that all mandatory and conditional mandatory parameters are present. If not, create the output transaction with the appropriate completion code from Exhibit F-7.
2. If LicensePlateNumber has been provided, search for the license plate number in the database. If more than one plate number in CVIEW matches the input plate number, use the USDOT number, if present, to filter the results. Determine the pass/fail flag for the plate(s) found based on the current pass/fail parameters for the weigh station login.
3. If pass/fail parameters include weight checks and weight information was not provided in the input transaction, create the output transaction with the appropriate completion code from Exhibit F-7.
4. If pass/fail value was successfully determined, go to step 7.
5. If LicensePlateNumber has not been provided or is not found in the CVIEW database, determine the pass/fail flag for the USDOT based on the current pass/fail parameters for the weigh station login.
6. If neither the LicensePlateNumber or USDOT were found, create the output transaction with the appropriate completion code from Exhibit F-7 and set the pass/fail flag to fail.
7. If the pass/fail flag was successfully determined in either step 4 or 6, create the output transaction, setting the CompletionCode with the appropriate value from Exhibit F-7, and setting the OSOWPermitFlag and DetailsLink to the correct values.

Note: the URL in the details link and OSOW permit link should allow direct access to the detailed results of the query and OSOW permit respectively, without manual reentry of the weigh station CVIEW user ID and Password.



Exhibit F-6. Jurisdiction Codes

JURISDICTION CODE	DESCRIPTION
AB	Alberta
BC	British Columbia
MB	Manitoba
NB	New Brunswick
NF	Newfoundland
NS	Nova Scotia
NT	Northwest Territories
NU	Nunavut
ON	Ontario
PE	Prince Edward Island
QC	Quebec***
SK	Saskatchewan***
YT	Yukon Territory
AG	Aguascalientes
BN	Baja California Norte
BS	Baja California Sur
CH	Coahuila
CI	Chihuahua
CL	Colima
CP	Campeche
CS	Chiapas
DF	Districto Federal
DG	Durango
GE	Guerrero
GJ	Guanajuato
HD	Hidalgo
JA	Jalisco
MC	Michoacan
MR	Morelos
MX	Mexico
NA	Nayarit
NL	Nuevo Leon

JURISDICTION CODE	DESCRIPTION
OA	Oaxaca
PU	Puebla
QE	Queretaro
QI	Quintana Roo
SI	Sinaloa
SL	San Luis Potosi
SO	Sonora
TA	Tamaulipas
TB	Tabasco
TL	Tlaxcala
VC	Veracruz
YU	Yucatan
ZA	Zacatecas
AK	Alaska
AL	Alabama
AR	Arkansas
AS	American Samoa
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
FM	Federated States of Micronesia
GA	Georgia
GU	Guam
HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky

JURISDICTION CODE	DESCRIPTION
LA	Louisiana
MA	Massachusetts
MD	Maryland
ME	Maine
MH	Marshall Islands
MI	Michigan
MN	Minnesota
MO	Missouri
MP	Northern Mariana Islands
MS	Mississippi
MT	Montana
NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
PR	Puerto Rico
PW	Palau
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UM	United States Minor Outlying Islands
UT	Utah
VA	Virginia
VI	Virgin Islands

JURISDICTION CODE	DESCRIPTION
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming

\*\*\*Offerors should note that in SAFER the Canadian Province Saskatchewan may be represented by SK or SN, and the Canadian Province Quebec may be represented by QC or PQ. If CVIEW receives a plate state designator from the Weigh Station Software for either Saskatchewan or Quebec, the CVIEW may need to search for the plate using both 2 character province codes for the province.

**Completion Codes**

Completion Codes are classified in two categories. The first category indicates successful completion of the query. The second indicates that the query failed and provides the reason. Exhibit F-7 shows both categories of error codes.

Exhibit F-7. Completion Codes

CATEGORY	COMPLETION CODE	COMPLETION CODE DESCRIPTION
Successful Completion Codes	000	LicensePlateNumber was found.
	001	USDOT was found
Failed Query Codes	101	Mandatory or conditional mandatory data was not present in query input
	102	Neither the LicensePlateNumber or USDOT was found
	103	No Pass / Fail parameters set for the weigh station group.
	104	Pass / Fail parameters are set to include total weight and/or axle weight, but weights were not provided in the input transaction.

## **Appendix G. CDLIS / CVIEW Interface**

When CVIEW receives a driver's license query from an AHP CVIEW user, CVIEW will query CDLIS, either directly, or through the FMCSA Query Central Interface. This Appendix describes the direct interface with CDLIS.

### **Description of Data and Services Provided by CDLIS**

The Commercial Driver's License Information System (CDLIS) provides information on North American Commercial Driver's Licenses through a network of databases throughout the US jurisdictions, Canada, and Mexico. Driver's license databases throughout the 50 US jurisdictions and the District of Columbia, Canadian provinces accessed through the IRE (Canadian Interprovincial Record Exchange) Bridge, and Mexican states accessed through LIFIS (Licencia Federal Information Systema) make up the CDLIS distributed database network.

CDLIS provides multiple information services, including query services for driver status and history, and services to assist in the maintenance of accurate driver records. CVIEW will use the CDLIS state-to-state driver status query to verify commercial driver's license status, driver restrictions, and driver endorsements.

CDLIS operates 23/7, being down between 3:00 AM and 4:00 AM Eastern time each day. CVIEW Build 1A would use just one CDLIS query: the state-to-state status request (cd03). The state-to-state status query provides information on US, Canadian, and Mexican commercial driver's licenses.

### **CVIEW / CDLIS Transactions**

QUERY	QUERY DESCRIPTION	RESPONSE CONTENTS
cd03	State-to-State Status Request	Driver Information; Driver Permit Information; Driver's License Status; Driver Endorsements; Driver Restrictions; Total Number of Accidents and Convictions

## **Appendix H. Query Central / CVIEW Interface**

When CVIEW receives a driver's license query from an AHP CVIEW user, CVIEW will first query CDLIS, either directly, or through the FMCSA Query Central Interface. This Appendix describes the CVIEW interface with the FMCSA Query Central.

### **Background**

Query Central is a federal web based query system that combines several existing query systems (ISS, PIQ, CDLIS, PRISM, L&I) and new data systems (Mexican CDL and carrier registration) into one system with a single simple user interface with advanced drill down and inferential functionality. It is a third generation query system that accesses motor carrier safety information for state and federal law enforcement personnel. Query Central provides web service query capabilities that can be integrated into state software, such as CVIEWs. The web service queries include L&I queries and CDLIS queries.

The process of CVIEW requesting data from Query Central would be in the background and be transparent to the user. Data received from Query Central and CVIEW would both be shown in the Iteris CVIEW query windows.

### **Query Central Web Service output:**

Query Central currently has the following driver web services available:

1. Query for Driver's License Status
  - a. Input data for query: Drivers License Number and State, and depending on state requirements may also require date of birth and driver name.
  - b. Output of query: An XML document containing:
    - i. Social Security Number;
    - ii. Date of birth;
    - iii. Physical description of driver;
    - iv. Driver address;
    - v. CDL status;
    - vi. License expiration;
    - vii. Restrictions;
    - viii. A summary of accidents and convictions;
    - ix. Any known aliases;
    - x. Etc. (Please see attached sample XML output for a complete list.)
2. Query for Driver's License History
  - a. Input data for query: Drivers License Number and State, and depending on state requirements may also require date of birth and driver name.
  - b. Output of query: Output is similar to that of the Driver's License Status Query, with the addition of conviction and accident details. (Please see the attached sample XML output for a complete list.)

Driver's Status: Sample XML formatted query response

```
<?xml version="1.0" encoding="utf-16" ?>
- <DriverQuery ServiceError="" RSLT="0000">
- <detail DriverState="ALABAMA" DriverLicense="2740546"
  SSnumber="424688671" DriverHeight="511"
  DriverName="RICHIE, ALBERT RAY" DriverDOB="08/26/1950"
  DriverWeight="165" DriverAddress="160 CO RD
  463@@HALEYVILLE, AL 355650000" DriverSex="MALE"
```

```
EyeColor="GREEN" NumbPermits="0" NumbDLRestr="0"
NumbConvictionsSent="0" NumbConvRecord="0"
NumbAccidentsSent="0" NumbAccRecord="0"
NumbWdrawsSent="0" NumbWdrawRecord="0" DriverLClass="AM"
DIssueDate="03/10/2004" CdlStatus="LICENSED"
DIExpireDate="04/07/2008" DriverNonLClass="AM"
NonCdlStatus="LICENSED" MedicalIndicator="NO"
DIWdrawPending="NO">
= <aka>
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Driver's History: Sample XML formatted query response

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    DriverWeight="165" DriverAddress="160 CO RD
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**Appendix I. Arkansas Driver’s License System Interface**

Arkansas may choose to implement an interface between the CVIEW and the Arkansas Driver’s License System. The interface will be a web service interface.

When CVIEW receives a driver’s license query for an Arkansas based driver’s license, using a web service will transmit the driver’s license number to the state Driver’s License System. The Driver’s License system will return a digitized stream containing the image. Input and Output fields for the interface are further detailed below.

The Driver’s License System mainframe transactions are secured with ACF2 ID.

Exhibit I-1. Input Data Elements (Data elements sent from CVIEW to the Driver’s License System)

DATA ELEMENT XML TAG NAME	DATA ELEMENT DESCRIPTION	FORMAT	MANDATORY
LICENSE_NUMBER	Arkansas Driver’s License Number	Character (12)	Mandatory
TRANSACTION_NUMBER	Transaction number. Number is assigned by the CVIEW system with format DDMMYYYYXXXXXX Where DD is the day of the month; MM is the month; YYYY is the four digit year; XXXXXX is a 6 digit sequence number	Character (14)	Mandatory

Exhibit I-2. Output Data Elements (Data elements returned from the Driver’s License System to the CVIEW)

DATA ELEMENT XML TAG NAME	DATA ELEMENT DESCRIPTION	FORMAT	MANDATORY
LICENSE_NUMBER	Arkansas Driver’s License Number	Character (12)	Mandatory
TRANSACTION_NUMBER	The transaction number assigned by CVIEW.	Character (14)	Mandatory
IMAGE	Driver Image	Length(28000)	Optional
COMPLETION_CODE	Code indicating an error or successful completion of the query. See Exhibit I-3 for possible completion codes.	Character(1)	Mandatory

Exhibit I-3. Completion Codes

COMPLETION CODE	COMPLETION CODE DESCRIPTION
0	Arkansas Driver's License Number
1	Driver's License Number not found
2	Driver Image not found