Vehicle Related Violations (VRV)
Pilot Courts On-Boarding Schedule Delay
November 17, 2010

Purpose

The purpose of this document is to provide rationale for postponing Vehicle Related Violations (VRV) agency on-boarding until April 2011. Postponing VRV agency connectivity will ensure that enhancements to the message exchange application at the Washington State Department of Information Services (DIS) are in place, and will eliminate the need for duplicative system testing by early-adopter VRV agencies.

Background

Vehicle Related Violations (VRV)

The Vehicle Related Violations (VRV) service, sponsored by the Administrative Office of the Courts (AOC) allows law enforcement agencies to submit electronic parking, photo enforcement, and other tickets along with attachments via the Department of Information Systems (DIS) JINDEX.

The VRV Project will prepare a solution for extended pilot use and eventual statewide implementation. The ongoing work will improve the VRV pilot application with the goal of handling anticipated workload and transaction capacity, performance infrastructure, and ensure an optimal environment.

Electronic Traffic Information Processing (E-TRIP) Initiative

The E-TRIP initiative is a collaborative effort among state and local agencies to create a seamless and integrated system through which traffic-related information can travel from its point of origin to courts and public-safety agency stewards. The purpose of this initiative is to eliminate the excessive inefficiencies characteristic of paper-based processes associated with the collection and exchange of core business information. E-TRIP developed and implemented the Statewide Electronic Collision and Ticket Online Record (SECTOR) application, an automated system that enables law enforcement agencies (LEA's) to electronically create tickets and collision reports in the field and transmit this data to state repositories and authorized users.

In the spring of 2010, E-TRIP, in sponsorship with the Washington Traffic Safety Commission (WTSC) and AOC, commissioned the Return of SECTOR Data to Local Records Management Systems (RMS) project. The purpose of this project is to implement an enhanced JINDEX message exchange design that will provide greater messaging flexibility and scalability, and allow records to be returned to local agency RMS's. This project is scheduled to be completed on or about March 1, 2011.

Current message exchange participants include AOC, Washington State Patrol (WSP), Washington State Department of Transportation (WSDOT), Department of Licensing (DOL), Law Enforcement Support Agency (LESA) and the City of Everett.

Current Status

DIS maintains the Justice Information Network Data Exchange (JINDEX). The JINDEX is a centralized message brokering platform used to exchange records to and from multiple state and local government public safety agencies. One of the applications that reside on the

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JINDEX is the Statewide Electronic Collision and Ticketing Online Records (SECTOR) exchange application.

The SECTOR exchange application is used by both the Administrative Office of the Courts (AOC) VRV project to submit parking tickets, and the Electronic Traffic Information Processing (eTRIP) initiative to exchange infraction and criminal reports, collisions and dispositions.

DIS, in partnership with key stakeholder agencies, including AOC, is currently engaged in a SECTOR exchange application re-design project. This effort comes in response to VRV administrators' concerns regarding the existing platform's throughput and performance capabilities, and the eTRIP initiative's need for a more flexible, scalable messaging design that will allow records to be electronically distributed to local agency records management systems (RMS). The project should improve system performance and eliminate a barrier to increased law enforcement use of SECTOR to create electronic tickets and collision reports. The re-design project is expected to be completed and placed into production on or about March 1, 2011.

Due to the tight coupling of processes and joint dependence on core code, once re-design efforts are completed, all agencies that send to, or receive messages from, the JINDEX will be required to change the coding they use to interface with the JINDEX. In addition, all agencies will be required to re-point their services to the new JINDEX production environment.

Current On-Boarding Schedule

Currently, pilot VRV courts are scheduled to on-board as follows:

<u>Group 1-Target on-board date November 2010</u>

- Issaquah Municipal Court
- Kirkland Municipal Court
- Lakewood Municipal court

<u>Group 2-Target on-board date March 2011</u>

- Fife Municipal Court
- Tacoma Municipal Court
- Lynnwood Municipal Court

Proposed On-Board Schedule

The following schedule is being proposed. This schedule will allow the SECTOR re-design project to be completed as quickly as possible, eliminate the need for VRV agencies to conduct an additional round of testing, and ensure sufficient technical resources are available to assist new VRV agencies with the on-boarding process.

<u>Group 1-Target on-board date April 2011*</u>

- Issaquah Municipal Court
- Kirkland Municipal Court
- Lakewood Municipal court

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<u>Group 2-Target on-board date May 2011*</u>

- Fife Municipal Court
- Tacoma Municipal Court
- Lynwood Municipal Court

**Estimated on-boarding dates*

Rationale

Postponing the VRV on-boarding will help ensure new, desired functionality is in place as soon as possible. Enhancements to the JINDEX SECTOR exchange application will benefit users of both the VRV and eTRIP services. In addition, deferring on-boarding until the re-design effort is complete will mean that agencies need only go through the connectivity code deployment activities once.

Critical DIS resources needed for the VRV application will be used in the RMS design and the DIS infrastructure upgrade. AOC and DIS technical personnel are actively engaged in providing support to the enhancement effort to ensure that the benefits that will accrue to both the VRV and eTRIP programs are delivered in a timely manner. Diverting resources away from this effort to accommodate near-term VRV on-boarding activities will result in duplication of effort and may delay completion of this vital project.

It should be noted, however, that although technical staff will be dedicated primarily to completion of the re-design project, they will be available to agencies during this time to assist with questions concerning JINDEX connectivity requirements. Resolving issues relating to firewall rules, digital certificates and other requirements ahead of time will help position agencies to connect quickly when the new service goes online.

Benefits of the Proposed Scheduling Change

- New VRV agencies will be required only to build once and, test once, rather than going through the same process twice.
- Stable test and production environments
- Frozen code base
- More time for agencies to identify and resolve issues associated with JINDEX connectivity requirements.
- Availability of a greater number of dedicated technical resources to assist VRV agencies after completion of the SECTOR exchange application re-design project.