

## New Tools to Keep America Safe

TRIBAL NATION SHARING	STATE WARRANT SHARING	LPR SHARING	FACIAL RECOGNITION
<p>Nlets will undertake a development effort to give LE the ability to process tribal plates and tribal driver's licenses and to reduce delays in accessing this information. This will be accomplished through tribal access to the Nlets network and queries that retrieve data from tribal data sources. It will also enable tribal participation in the EDL program.</p> <p>The long term goal is to implement a large-scale solution across the US. This project will target 5-8 tribes having electronically accessible motor vehicle and driver's license (DL) data. The implementation model will be streamlined to minimize the effort to bring up future tribes.</p> <p><b>Goals</b></p> <ul style="list-style-type: none"> <li>▪ Enable law enforcement to process tribal plates, and to reduce delays in processing vehicles with tribal plates by exchanging data with tribal nations</li> <li>▪ Enable tribal participate in the EDL program</li> </ul>	<p>Nlets will undertake a development effort to provide interstate access to state warrant data for LE. This effort will upgrade and enhance the Nlets messaging technical architecture to process new warrant queries and access participating state warrant data sources. A pilot program will be implemented for five (5) states.</p> <p>The goal is for Nlets to define a uniform service interaction profile for Wanted Persons and reference architectures to support interstate access to all warrants, including less-than-felony warrants. Following the development of the business process, data exchange, and messaging models, and upon the completion of a proof-of-concept pilot with one or more states, Nlets will incorporate these models and capabilities into technical specs for broad adoption among all of the states.</p> <p><b>Goals</b></p> <ul style="list-style-type: none"> <li>▪ Provide interstate access to state warrant data for law enforcement</li> <li>▪ Provide timely access to warrant data for law enforcement</li> </ul>	<p>Nlets will undertake a development effort to accelerate the prototyping and deployment of a system to access national License Plate Reader (LPR) data to not only enhance LE, but also to address homeland security vulnerabilities, particularly in regards to first responders. Research will also be conducted to add to the growing body of knowledge on security and cloud computing.</p> <p>Research will also be conducted to add to the growing body of knowledge on security and cloud computing. For example, Nlets would like to offer virtualization through cloud computer to law enforcement and homeland security as a service. Should a disaster occur, Nlets could help the recovery process by providing disaster recover resources through a virtualized environment.</p> <p><b>Goals/Benefits</b></p> <ul style="list-style-type: none"> <li>▪ Accelerate the prototyping and deployment of a national LPR pointer system</li> <li>▪ Explore cloud computing and virtualization</li> </ul>	<p>Nlets will research technology solutions for positive and instant ID using facial recognition. This will require the capture and transport of images to a state DMV to run facial recognition software against the DL image server. Images will be captured using standard mobile devices with built-in cameras. It is anticipated that this research will lead to a responsive technical design and a cost effective solution to meet the positive and instant ID needs of LE and public safety officials.</p> <p>As part of this research Nlets will: identify privacy issues that could impact using facial recognition; determine the feasibility of sending images over the Nlets network from a mobile device; define data exchanges to support requests to run facial recognitions; and, develop a pilot solution for 1-2 states.</p> <p><b>Goals</b></p> <ul style="list-style-type: none"> <li>▪ Facilitate research on using technology for positive/instant ID</li> <li>▪ Conduct a privacy impact study</li> <li>▪ Implement a pilot to determine the feasibility of sending images to a state DMV</li> </ul>