

FEDERAL BUREAU OF INVESTIGATION  
FOI/PA  
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## **Facial Recognition Pilot Project Goals and Objectives**

CJIS Facial Recognition (FR) Pilot Project is a collaborative effort between the FBI and the Piloting Agencies to identify user needs and develop a useful investigative tool for the law enforcement community. The following goals and objectives to be achieved by the FR Prototype Pilot:

- Leverage the FR System Prototype delivered by Lockheed Martin given the full implementation date of the Next Generation Identification (NGI) Interstate Photo System (IPS) Initiative.
- Provide reasonable FR proof of concept.
- Demonstrate the value of the capability.
- Establish accuracy confidence thresholds for completely lights out searches using a probe frontal facial photo.
- Enable the FBI to assess the performance of the pilot to provide recommendations for development of the future NGI FR capability based on data received from multiple sources.
- Effectively identify and reduce risk for the NGI Increment 4 deployment.
- In conjunction to the FR Pilot Project, this would be an effective way of deploying and evaluating the Universal Facial Workstation (UFW) software for piloting agencies.

## NGI Facial Recognition Prototype Pilot MOU Questions

1. Who will we be piloting with? (State agencies?)
  - More likely Local agencies that will submit through the SIB.
    - o NC DMV, Pinellas County Sheriff's Office Regional Prison
    - o Possibly FBI FOs (Cleveland) bypassing JABS submitting through web services/email
  
2. Photo Queries?
  - Frontal Facial only.
  
3. What type of information, data, photo, etc. will we receive?
  - Frontal Facial only, Though Type-10 transactions have meta data, we would not use it during the pilot.
  
4. How will we process?
  - This will be a lights out submission and response to the agency.
  
5. Will we limit submissions in any way? How?
  - Yes, SEARCH submissions will be limited to 1 photo submission.
  - No, ENROLLMENT submissions will not be limited. Enrollment of images will be a future phase of the pilot.
  
6. What type of equipment/devices will capture and send the submissions?
  - Selected agencies will have capture devices in place meeting the NIST minimum standard of SAP 40. Images will be sent over the CJIS WAN from the SIB to the FBI.
  
7. How long will the response time be?
  - The FR prototype pilot is not held to the NGI requirement of (15 min) but, it is likely that the response times will meet or exceed the requirement.

8. What will we send to the requestor in our response, candidate list, how many, based on what, III info? Meet certain score level?
  - NGI has requirements that allow the agency to request a specific number of candidates be returned. A default number (TBD) of candidates will be returned if not number is specified by the requesting agency.
  - Each candidate will have a photo with a FBI #, no III information, PII or metadata other than the FBI # will be included. The candidate list will have scores above a determined threshold.
  
9. Will we retain and store submissions (photos)?
  - Yes, for bulk enrollment submissions. No, for searches.
  
10. What will the agency/user do with the information response we send them?
  - The candidate list is an investigative lead not an identification. It is the agencies responsibility to make a determination on the identity of the subject.
  - Caveats will be attached to the response explaining the aforementioned.
  
11. Will the IPS search always be based on a facial photo? (name search, SMT, Sketch, biographic information)
  - During the FR pilot only frontal facial photos will be searched. Once fully implemented FACES will be searchable by text or FR and SMTs will be searchable by text only.
  
12. Worst case scenario, what if the system malfunctions and only returns 1 subject, could this cause legal issues?
  - Being that this is an investigative search and caveats will be prevalent on the return detailing that the agency is responsible for determining the identity of the subject, there should be NO legal issues.