

Investigative Facial Recognition
Technology
Project Overview

Public Safety Committee May 13, 2024

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Presentation Overview

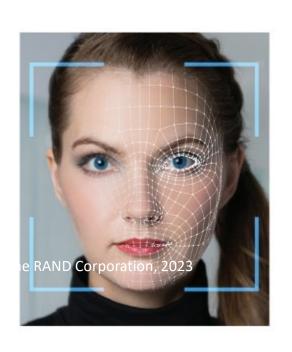


Investigative Facial Recognition Technology

Program Objectives

Process and Overcoming Concerns

Next Steps





Investigative Facial Recognition Technology Overview



- Investigative facial recognition technology is a means of ascertaining and confirming an individual's identity
- Utilizes open-source information as comparison images
- Employs artificial intelligence to identify/compare millions of images
- Used by police agencies across the country



Investigative Facial Recognition Technology Overview



US Agencies with Investigative Facial Recognition Technology





Program Objectives



- Provide investigative leads in violent offenses, imminent threats to public safety, and to assist in identification of deceased/incapacitated individuals
- Ensure that use of investigative facial recognition technology complies with all applicable and data security laws and that use holds residents' privacy rights and civil liberties in the highest regard
- Require high standards of training and peer review for investigative facial recognition technology usage
- Ensure transparent and thorough oversight of investigative facial recognition technology



Process



Investigating
detective
receives
supervisor
approval to
submit
investigative
facial
recognition
request.



Request sent to Fusion and assigned to trained analyst.



Image
reviewed to
ensure all
criteria for
investigative
facial
recognition is
met.



Analyst processes the probe image in investigative facial recognition software.



Results will be peer reviewed by another trained analyst.



Match report prepared and sent to investigator.



Analyst will log the requests in internal log.



Detective will note results of the probe in RMS and upload match report.





Concerns about inconsistencies in identification:

- Investigative facial recognition technology will not be used as a positive identification or as probable cause for arrest without additional corroboration/investigation
- Extensive 32-hour training of all analysts, with components around implicit bias and how to avoid misidentification.
- Peer review of all results is required.





Privacy concerns and data collection:

 Data collection is governed by 28 CFR Part 23 and program manager will oversee compliance







Implications related to free speech, freedom of assembly, freedom of religion:

- General order forbids use of investigative facial recognition technology for First Amendment activities; criminal predicate or public safety threat is required for all use
- Investigative facial recognition technology will not be leveraged to identify individuals on live feeds or during live-streamed events





Unintended consequences, including concerns that there will be an overreliance on video evidence:

 The general order makes clear that investigative facial recognition technology is only one element of investigative support that must be used in conjunction with additional corroboration and investigation





To ensure clear data on clearance rates and investigative facial recognition technology efficacy:

 General orders require that all instances of Investigative Facial Recognition Technology use be logged and mandate frequent reporting of system usage, allowing data collection that could

facilitate further research.





Investigative Facial Recognition Technology Implementation



- Clearview AI is the current industry leader:
 - Achieved top ranking for accuracy in <u>rigorous National</u> <u>Institute of Standards and Technology testing</u>
 - Searches are quick and compare probe images with millions of scraped open-source images
 - Retains robust records of all searches with the application



Next Steps



- Implement DPD General Order related to investigative facial recognition technology
- Implementation of investigative facial recognition technology program management, oversight and reporting plan
- Training completion for all investigative facial recognition technology analysts





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