

Iris Pilot Operations Report

California Department of Justice (CA DOJ)

No action is required. Provided for informational purposes.

Additional explanations and contact information are located at the end of this report.

Report Summary

The summary numbers include bulk enrollments and error transactions that have been fixed. Expunged records are not included.

Operations Summary									
Date	Enrollments				Searches				
	Avg. Time	Success	Errors	Total	Avg. Time	Success		Errors	Total
					Match	Non-Match			
2015 - September	0.5 s	10,451	930	11,381	-	0	0	0	0
2015 - August	0.5 s	9,197	828	10,025	-	0	0	0	0
2015 - July	0.5 s	10,687	858	11,545	-	0	0	0	0
2015 - June	0.6 s	9,449	798	10,247	-	0	0	0	0
2015 - May	2.5 s	13,187	941	14,128	-	0	0	0	0
2015 - April	0.7 s	10,177	863	11,040	-	0	0	0	0
2015 - March	0.6 s	11,070	866	11,936	-	0	0	0	0
2015 - February	0.6 s	8,736	659	9,395	-	0	0	0	0
2015 - January	0.5 s	6,346	497	6,843	-	0	0	0	0
Monthly average for each year takes into account partial years but not partial months.									
2015 Monthly Avg.	0.8 s	9,922.2	804.4	10,726.7	-	0.0	0.0	0.0	0.0
2014 Monthly Avg.	0.6 s	12,526.9	1,066.1	13,593.0	-	0.0	0.0	0.0	0.0
Yearly summaries include information from each year of operation with partial information for the current year.									
2015 Summary	-	89,300	7,240	96,540	-	0	0	0	0
2014 Summary	-	100,215	8,529	108,744	-	0	0	0	0
Total	-	189,515	15,769	205,284	-	0	0	0	0

Summary of Notable Items		
	Location	Message
A	CA - RCSO	High percentage of iris enrollment submissions resulted in errors (8.0%).
B	CA - SBCSO	High percentage of iris enrollment submissions resulted in errors (9.0%).
Some issues are mentioned both at a high level and then as root causes. For example, a location may be listed for high percent of enrollments with no eyes enrolled. It may also be listed for a large number of low-quality right eyes and skipped capture of left eyes.		

Enrollment Report

Iris images can be enrolled with tenprints or as an update to an existing record. Both methods require two Type-17 Iris Image Records to be submitted. When an iris cannot be captured the reason can be indicated in the Type-17 record and no image is submitted.

Enrollments with tenprints allow 0-2 iris images to be submitted. Enrollments without tenprints require 1-2 iris images be submitted. Enrollments can either completely succeed (two iris images enrolled), completely fail (no iris images enrolled), or partially succeed (one iris image fails and one enrolls). Tenprint submissions with no iris images are considered "successful".

Iris Enrollment Results By Agency										
AGENCY	Location	Successful Iris Image Enrollments						Errors	Total	
		2 Eyes		1 Eye		0 Eyes	Subtotal	Subtotal		
CA - SBCSO	CA - SBCSO	5,919	99.5%	29	0.5%	0	0.0%	5,948	586	6,534
CA - RCSO	CA - RCSO	3,824	99.8%	6	0.2%	0	0.0%	3,830	334	4,164
CA - LACRIS	CA - LACRIS	673	100.0%	0	0.0%	0	0.0%	673	10	683
TOTAL	3	10,416	99.7%	35	0.3%	0	0.0%	10,451	930	11,381

Iris Images Submitted for Enrollment

High numbers of bad or skipped images may indicate a defective camera, poor lighting, or software issues.

Iris Image Enrollment Submissions By Agency													
AGENCY	Location	Left Eye						Right Eye					
		GOOD		BAD		SKIP		GOOD		BAD		SKIP	
CA - SBCSO	CA - SBCSO	5,932	99.7%	16	0.3%	0	0.0%	5,935	99.8%	13	0.2%	0	0.0%
CA - RCSO	CA - RCSO	3,829	100.0%	1	0.0%	0	0.0%	3,825	99.9%	5	0.1%	0	0.0%
CA - LACRIS	CA - LACRIS	673	100.0%	0	0.0%	0	0.0%	673	100.0%	0	0.0%	0	0.0%
TOTAL	3	10,434	99.8%	17	0.2%	0	0.0%	10,433	99.8%	18	0.2%	0	0.0%

Enrollment Error Report

FBI CJIS Division recommends that errors are corrected to maximize the enrolled population and utility of the iris recognition services. Descriptions of error types can be found at the end of this report. Some submissions contain multiple errors.

Iris Enrollment Error Types By Agency							
AGENCY	Location	Missing T-17 Errors		Templating Errors		Other	Total
CA - SBCSO	CA - SBCSO	584		2		0	586
CA - RCSO	CA - RCSO	286		48		0	334
CA - LACRIS	CA - LACRIS	10		0		0	10
TOTAL	3	880		50		0	930

Identification Report

No identification search information is included in this report.

Additional Information

Agency, Facility, Location, and Serial Number

Locations are determined using the submitted iris camera Make/Model/Serial number (MMS) and iris image source agency (SRC) with a list of corresponding locations provided by the local or state agency. Please provide updates as needed.

Error Types

Missing Type-17 Iris Record

L0013 A general logic error was detected that is not currently defined. File contains an invalid number of Type-17 records.

This error is caused by submissions with more or less than two Type-17 iris records. See the [Iris Pilot Tech. Spec.](#) for details.

Templating Errors

IRP003 A template could not be created for the submitted image ELR: '1'.

This error is almost always caused by low-quality iris images.

Other Errors

These errors include duplicate submissions and other minor glitches. Beginning in April 2015, most minor issues are automatically corrected on submissions. CJIS can provide additional information if needed.

Response Times

Response times are measured from the time the Iris Pilot receives a submission to the time that a response leaves the Iris Pilot.

For iris enrollments submitted with tenprints there is additional time for tenprint processing before the irises are sent to the Iris Pilot that is not included in this report.

Bulk submissions are not included in average times.

Two Iris Images vs. One Iris Image

FBI CJIS Division always recommends enrolling and searching both irises to avoid any "clean misses". For example, if only a right iris image is enrolled and a left iris image is searched, a non-match result will be returned even though the subject was enrolled in the iris database.

For each Type-17 Iris Record submitted there are three possible outcomes.

1. "GOOD" - The iris image was used for the enrollment or search.
2. "BAD" - The iris image failed to pass quality checks and was not used in the enrollment or search.
3. "SKIP" - No iris image was submitted.

Contact Information

Name	Title	Phone	Email
Justin Cook	Management & Program Analyst	(304) 625-4456	justin.cook@ic.fbi.gov
Dave Jones	Supervisory Management & Program Analyst	(304) 625-4850	david.jones3@ic.fbi.gov
Mark Parsons	IT Specialist	(304) 625-4465	mark.parsons@ic.fbi.gov
Chad Rhoades	Management & Program Analyst	(304) 625-4863	jason.rhoades@ic.fbi.gov
Justin Smith	Supervisory IT Specialist	(304) 625-5333	justin.smith@ic.fbi.gov

Report prepared by FBI CJIS Division - Biometric Center of Excellence.

Reporting period Sep 1, 2015 through Sep 30, 2015. Generated on Wed Oct 7, 2015 @ 14:57:41 Eastern.