

Iris Pilot Operations Report

Riverside County Sheriff's Department (RCSD)

No action is required. This report is provided for informational purposes to allow analysis of existing iris operations.

Additional explanations and contact information are provided 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			
2015-08	0.5 s	3,364	275	3,639	-	0	0	0	0
2015-07	0.5 s	3,744	307	4,051	-	0	0	0	0
2015-06	0.6 s	3,505	279	3,784	-	0	0	0	0
2015-05	1.1 s	3,907	335	4,242	-	0	0	0	0
2015-04	0.7 s	3,982	324	4,306	-	0	0	0	0
2015-03	0.6 s	4,317	315	4,632	-	0	0	0	0
2015-02	0.5 s	2,553	194	2,747	-	0	0	0	0
Monthly average for each year takes into account partial years but not partial months.									
2015 Monthly Avg.	0.7 s	3,624.6	289.9	3,914.4	-	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	-	25,372	2,029	27,401	-	0	0	0	0
Total	-	25,372	2,029	27,401	-	0	0	0	0

Summary of Notable Items		
	Location	Message
A	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (18.8%).
B	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (5.2%).
C	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (7.6%).
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 Camera Serial										
SERIAL	Location	Successful Iris Image Enrollments						Errors	Total	
		2 Eyes		1 Eye		0 Eyes				Subtotal
PD214030000308-3812021	Riverside Sheriff's Office	1,349	99.9%	1	0.1%	0	0.0%	1,350	62	1,412
PD214030000308-0912005	Riverside Sheriff's Office	1,036	99.7%	3	0.3%	0	0.0%	1,039	85	1,124
PD214030000308-3812019	Riverside Sheriff's Office	654	100.0%	0	0.0%	0	0.0%	654	31	685
PD214030000308-3612033	Riverside Sheriff's Office	532	100.0%	0	0.0%	0	0.0%	532	123	655
PD214030000308-3812012	Riverside Sheriff's Office	307	100.0%	0	0.0%	0	0.0%	307	17	324
TOTAL	5	3,878	99.9%	4	0.1%	0	0.0%	3,882	318	4,200

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 Camera Serial													
SERIAL	Location	Left Eye						Right Eye					
		GOOD		BAD		SKIP		GOOD		BAD		SKIP	
PD214030000308-3812021	Riverside Sheriff's Office	1,349	99.9%	1	0.1%	0	0.0%	1,350	100.0%	0	0.0%	0	0.0%
PD214030000308-0912005	Riverside Sheriff's Office	1,036	99.7%	3	0.3%	0	0.0%	1,039	100.0%	0	0.0%	0	0.0%
PD214030000308-3812019	Riverside Sheriff's Office	654	100.0%	0	0.0%	0	0.0%	654	100.0%	0	0.0%	0	0.0%
PD214030000308-3612033	Riverside Sheriff's Office	532	100.0%	0	0.0%	0	0.0%	532	100.0%	0	0.0%	0	0.0%
PD214030000308-3812012	Riverside Sheriff's Office	307	100.0%	0	0.0%	0	0.0%	307	100.0%	0	0.0%	0	0.0%
TOTAL	5	3,878	99.9%	4	0.1%	0	0.0%	3,882	100.0%	0	0.0%	0	0.0%

Submission Delayed Iris Enrollments

The enrollment submission creation date is compared to the date received at FBI CJIS Division. Different dates may indicate connectivity issues.

Delayed Iris Enrollment Submissions By Camera Serial						
SERIAL	Location	Min. Days	Avg. Days	Max. Days	Total: Delayed	Total: All
No delayed enrollment submissions.						

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 Camera Serial							
SERIAL	Location	Missing T-17 Errors			Templating Errors	Other	Total
PD214030000308-3612033	Riverside Sheriff's Office	95			6	0	101
PD214030000308-0912005	Riverside Sheriff's Office	58			20	0	78
PD214030000308-3812021	Riverside Sheriff's Office	41			12	1	54
PD214030000308-3812019	Riverside Sheriff's Office	15			10	1	26
PD214030000308-3812012	Riverside Sheriff's Office	10			6	0	16
TOTAL	5	219			54	2	275

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

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