

Iris Pilot Operations Report

San Bernardino County Sheriff's Department (SBCSD)

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	5,243	544	5,787	-	0	0	0	0
2015-07	0.5 s	6,398	546	6,944	-	0	0	0	0
2015-06	0.6 s	5,513	511	6,024	-	0	0	0	0
2015-05	3.1 s	8,787	598	9,385	-	0	0	0	0
2015-04	0.7 s	5,605	514	6,119	-	0	0	0	0
2015-03	0.6 s	6,166	536	6,702	-	0	0	0	0
2015-02	0.6 s	5,639	453	6,092	-	0	0	0	0
2015-01	0.5 s	5,785	481	6,266	-	0	0	0	0
Monthly average for each year takes into account partial years but not partial months.									
2015 Monthly Avg.	1.0 s	6,142.0	522.9	6,664.9	-	0.0	0.0	0.0	0.0
2014 Monthly Avg.	0.7 s	19,573.4	828.4	20,401.8	-	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	-	49,136	4,183	53,319	-	0	0	0	0
2014 Summary	-	97,867	4,142	102,009	-	0	0	0	0
Total	-	147,003	8,325	155,328	-	0	0	0	0

Summary of Notable Items		
	Location	Message
A	SBCSO - Barstow	High percentage of iris enrollment submissions resulted in errors (6.5%).
B	SBCSO - Big Bear	High percentage of iris enrollment submissions resulted in errors (15.5%).
C	SBCSO - Central Detention Center	High percentage of iris enrollment submissions resulted in errors (9.9%).
D	SBCSO - High Desert Detention Center (Adelanto)	High percentage of iris enrollment submissions resulted in errors (10.6%).
E	SBCSO - Moronga	High percentage of iris enrollment submissions resulted in errors (10.1%).
F	SBCSO - West Valley Detention Center (Rancho Cucamonga)	High percentage of iris enrollment submissions resulted in errors (8.5%).
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 Facility										
SOURCE	Location	Successful Iris Image Enrollments						Errors	Total	
		2 Eyes		1 Eye		0 Eyes				Subtotal
CA0360034	SBCSO - West Valley Detention Center (Rancho Cucamonga)	3,140	99.7%	11	0.3%	0	0.0%	3,151	292	3,443
CA0360037	SBCSO - High Desert Detention Center (Adelanto)	1,317	99.6%	5	0.4%	0	0.0%	1,322	156	1,478
CA0360030	SBCSO - Central Detention Center	1,150	99.2%	9	0.8%	0	0.0%	1,159	127	1,286
CA0360008	SBCSO - Barstow	217	100.0%	0	0.0%	0	0.0%	217	15	232
CA0360009	SBCSO - Moronga	167	98.2%	3	1.8%	0	0.0%	170	19	189
CA0360006	SBCSO - Big Bear	71	100.0%	0	0.0%	0	0.0%	71	13	84
CA0360010	SBCSO - Colorado River	57	100.0%	0	0.0%	0	0.0%	57	3	60
TOTAL	7	6,119	99.5%	28	0.5%	0	0.0%	6,147	625	6,772

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 Facility													
SOURCE	Location	Left Eye						Right Eye					
		GOOD		BAD		SKIP		GOOD		BAD		SKIP	
CA0360034	SBCSO - West Valley Detention Center (Rancho Cucamonga)	3,147	99.9%	4	0.1%	0	0.0%	3,144	99.8%	7	0.2%	0	0.0%
CA0360037	SBCSO - High Desert Detention Center (Adelanto)	1,319	99.8%	3	0.2%	0	0.0%	1,320	99.8%	2	0.2%	0	0.0%
CA0360030	SBCSO - Central Detention Center	1,153	99.5%	6	0.5%	0	0.0%	1,156	99.7%	3	0.3%	0	0.0%
CA0360008	SBCSO - Barstow	217	100.0%	0	0.0%	0	0.0%	217	100.0%	0	0.0%	0	0.0%
CA0360009	SBCSO - Moronga	169	99.4%	1	0.6%	0	0.0%	168	98.8%	2	1.2%	0	0.0%
CA0360006	SBCSO - Big Bear	71	100.0%	0	0.0%	0	0.0%	71	100.0%	0	0.0%	0	0.0%
CA0360010	SBCSO - Colorado River	57	100.0%	0	0.0%	0	0.0%	57	100.0%	0	0.0%	0	0.0%
TOTAL	7	6,133	99.8%	14	0.2%	0	0.0%	6,133	99.8%	14	0.2%	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 Facility						
SOURCE	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 Facility					
SOURCE	Location	Missing T-17 Errors	Templating Errors	Other	Total
CA0360034	SBCSO - West Valley Detention Center (Rancho Cucamonga)	256	0	2	258
CA0360037	SBCSO - High Desert Detention Center (Adelanto)	137	0	0	137
CA0360030	SBCSO - Central Detention Center	104	0	0	104
CA0360009	SBCSO - Morongo	17	0	0	17
CA0360008	SBCSO - Barstow	14	0	0	14
CA0360006	SBCSO - Big Bear	12	0	0	12
CA0360010	SBCSO - Colorado River	2	0	0	2
TOTAL	7	542	0	2	544

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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