State of Alaska
FY2008 Governor's Operating Budget

Department of Public Safety
Alaska Public Safety Information Network
Component Budget Summary

Component: Alaska Public Safety Information Network

Contribution to Department's Mission

Provide secure access to the Department of Public Safety's (DPS) Alaska Criminal Justice Information Systems (AKCJIS).

Core Services

The major effort of the component's programming team is to migrate, maintain, and enhance the Alaska Public Safety Information Network (APSIN). This application is currently running on older legacy systems and technology. An APSIN Redesign project is currently underway to move this application to newer technology with enhanced functionality to include images from correctional facility and driver's license photos.

APSIN is a mission critical, on-line, real-time data processing system. APSIN's database contains more than 17 million records. Approximately 2,800-computer programs support over 100 separate on-line functions and a variety of batch processing. APSIN operates 24 hours a day for law enforcement, and is used by over 3,000 authorized individuals from over 160 federal, state, and municipal agencies on about 2,500 terminals throughout the state. On an average day, over 1,100 local and state police officers on duty during various shifts use APSIN over 10,000 times in support of their law enforcement mission. All state and local law enforcement agencies, a number of federal agencies, and other criminal and non criminal justice agencies depend on services provided by APSIN.

APSIN automates essential law enforcement data and offers investigative support with search capabilities against person, property, and event databases. It allows for network communications, message, and links with the FBI's National Crime Information Center (NCIC), and with other states and Canada via the National Law Enforcement Telecommunications System (NLETS). APSIN also automates the public notification of sex offender registration through the Sex Offender Registration Central Registry application and related web site, as well as the National Sex Offender Public Registration web site (nsopr.gov). APSIN also uses an automated interface to the statewide payroll system (AKPAY) to allow reporting on the department's commissioned officers' exception pay (overtime, shift differential, etc).

This component's personnel also support more than 70 smaller applications in the department, which are developed centrally or created by end users for deployment on desktops. These include a Building Records Inspection System (BRIS) used by Fire Prevention, ADORE field training database system used by the Alaska State Troopers, the department web presence, and a fingerprint card tracking system (CARDS) used by Records and Identification. Support is also provided for the Uniform Offense Citation Table maintenance software to provide more accurate statute- and ordinance-based criminal history records in APSIN. Personnel also support a desktop publishing system to create the *Crime Reported in Alaska* report, and publish this report on the department's web page.

The network support team ensures connectivity for department users to the Local Area Network (LAN), access to the State of Alaska's Wide Area Network (WAN), and provides support for desktop computers. In addition, this team ensures network access to APSIN for sponsored law enforcement agencies that are authorized for access. Services provided include installing and managing NetWare and Microsoft servers for directory, file, and print services for these users. There are over 200 locations around Alaska that use this component's technical and programming staff.

End Results	Strategies to Achieve Results
A: Increase the number of users who have accessibility to the Alaska Criminal Justice Information Systems (AKCJIS) repository. Target #1: Increase the number of agencies with access to AKCJIS by 1% per year. Measure #1: % change in number of agencies.	**A1: Redesign the Alaska Criminal Justice Information System (AKCJIS).** Target #1: Meet 100% of deliverables on the Alaska Public Safety Information Network (APSIN) Redesign Project by planned target date. Measure #1: % of deliverables met by planned target date.

Target #2: Increase the number of users with access to AKCJIS by 3% per year. Measure #2: % change in number of users.	

End Results	Strategies to Achieve Results
B: Ensure all Department of Public Safety employees have reliable access to AKCJIS. Target #1: Department of Public Safety Local Area Network (LAN) network servers are operational 100% of the time, allowing for planned maintenance outages. Measure #1: % of available time that LAN servers are operational.	**B1: Ensure Department of Public Safety information delivery mechanisms (personal computers, LAN) are accessible.** Target #1: Close 100% of help desk tickets within the assigned completion date. Measure #1: % of help desk tickets closed within the assigned target date.

Major Activities to Advance Strategies
• Set up the necessary security and infrastructure for Virtual Private Network (VPN) capability • Move from Oracle to SQL server • Work with Alaska Public Safety Information Network (APSIN) Redesign vendor on scheduling, planning, and completing Redesign tasks • Train the technical support and end user employees on use of department's new Help Desk functionality

FY2008 Resources Allocated to Achieve Results		
FY2008 Component Budget: $3,257,600	**Personnel:**	
	Full time	22
	Part time	0
	Total	22

Performance Measure Detail

A: Result - Increase the number of users who have accessibility to the Alaska Criminal Justice Information Systems (AKCJIS) repository.

Target #1: Increase the number of agencies with access to AKCJIS by 1% per year.
Measure #1: % change in number of agencies.

New Agencies Provided with Access to AKCJIS (fiscal year)

Fiscal Year	Total Agencies
FY 2003	303
FY 2004	306 +0.99%
FY 2006	314 +2.61%
FY 2006	310 -1.27%

Analysis of results and challenges: Emphasis on signing up new user agencies was not as active in FY2006 as it might have been due to the APSIN Redesign project. Agencies that received access before completion of the new system will have to acquire new technology themselves and be migrated to the new system.

Target #2: Increase the number of users with access to AKCJIS by 3% per year.
Measure #2: % change in number of users.

Number of New Users Provided with Access to AKCJIS (fiscal year)

Fiscal Year	YTD Total	Percent Inc/Dec
FY 2004	147	4.9%
FY 2005	69	2.2%
FY 2006	148	4.6%

Analysis of results and challenges: The number of new users at agencies with access to AKCJIS increased in FY2006 despite no commensurate increase in user agencies (target 1, measure 1).

System users numbered 2,955 as of the first quarter of FY 2004, the base year for comparison. The FY2004 number was corrected from 2,839 previously reported, due to new reporting tools available within APSIN.

A1: Strategy - Redesign the Alaska Criminal Justice Information System (AKCJIS).

Target #1: Meet 100% of deliverables on the Alaska Public Safety Information Network (APSIN) Redesign Project by planned target date.
Measure #1: % of deliverables met by planned target date.

% of Deliverables Closed by Planned Target Date (fiscal year)

Fiscal Year	YTD Total
FY 2004	97.5%
FY 2005	100%

Analysis of results and challenges: The YTD figure is the average for the fiscal year. Final deliverables have been modified in Phase IIa contract modifications 1, 2, and 3. All deliverables have been met within the contract schedule and budget.

B: Result - Ensure all Department of Public Safety employees have reliable access to AKCJIS.

Target #1: Department of Public Safety Local Area Network (LAN) network servers are operational 100% of the time, allowing for planned maintenance outages.
Measure #1: % of available time that LAN servers are operational.

% of Available Time that LAN Servers are Operational

Fiscal Year	YTD Total
FY 2005	99.995%
FY 2006	99.978%

Analysis of results and challenges: Available time (A) is defined as total clock time (T) minus planned maintenance time (M). Downtime (D) is unplanned server outages. Percent of available time is then defined as (D/A) x 100. Available time is tracked on a quarterly basis beginning in FY2005 (July 2004).

B1: Strategy - Ensure Department of Public Safety information delivery mechanisms (personal computers, LAN) are accessible.

Target #1: Close 100% of help desk tickets within the assigned completion date.
Measure #1: % of help desk tickets closed within the assigned target date.

% of Tickets Closed within the Assigned Target Date (fiscal year)

Fiscal Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
FY 2004			83.3	90.2	85.7%
FY 2005	92.1	92.8	93.6	90.5	92.3%
FY 2006	90.0	93.0	86.8	79.4	87.3%

Analysis of results and challenges: The department help desk system went through a major upgrade in the latter part of FY2006. New software permitted the system to close a large number of completed help desk tickets which had remained in open status. The system had kept these tickets open well beyond their assigned target completion dates. The sudden closure of a large number of seemingly overdue tickets in one quarter lowered the average response time for that quarter as well as the year's average.

Key Component Challenges

As the APSIN Redesign project progresses, it uses a significant portion of department personnel time to contribute to and review development plans and work products, and coordinate with vendors and contract staff. DPS developers invest a significant portion of their time on the project, working closely with contractor technical staff. Coordinating the development activities of many parties working on various aspects of a large and complex future system in order to deliver products to users on a regular basis is demanding when staff and funding resources are scarce. Also, as the new system rolls into production, additional operational resources will be required of this component to manage the redesigned APSIN system and support its users.

During 2008, it is anticipated there will be further deliveries toward the new APSIN production system. A challenge will be to support and synchronize old and new technologies during a protracted transition and to train the user base in the new system. Deploying and integrating support infrastructure, including security, directory, and related systems, will be a significant undertaking requiring both external resources and training for DPS staff. These efforts must be coordinated to meet state and federal standards while also supporting other systems used by DPS for daily operations.

Another challenge involves obtaining adequate funding to complete the project. If the department does not obtain timely and sufficient federal or state funding to complete this project, the project would have to be put on hold and restarted, probably with a new external partner, at some future time.

Significant Changes in Results to be Delivered in FY2008

APSIN Redesign
It is anticipated the number of users who have secure access to Alaska's criminal justice information data, and the use of APSIN in general, will increase dramatically with Internet technologies and Virtual Private Networking (VPN). Significant investments in APSIN development will move more of the APSIN workload and costs, especially related to reporting and maintenance, off the mainframe. This move to the State of Alaska standard MS SQL Server requires DPS to provide key operational support staff.

Major Component Accomplishments in 2006

- APSIN Redesign – successfully delivered prototype production server and client products, which backed the business case for continued project support.
- Negotiated APSIN Redesign Phase II contract with prime contractor; began work on critical production systems (Hotfiles) which will be put into production in this phase.
- Implemented a new production reporting database for the new APSIN.
- Delivered new digital photo drivers license and mugshot servers to law enforcement.

- Implemented MOBIUS to reduce distribution of confidential data on paper.
- Implemented over 100 online reports for trooper commanders and commissioner.
- Rewrote the critical Sex Offender Registry (SOR); implemented a key online interface to the National Sex Offender Public Registry (nsopr.gov).
- Completed migration from Netware 4.x, removing IPX protocol from our network. This required escalation of migration at numerous remote sites.
- Implemented Active Directory (AD); migrated NT domain applications and services to AD.
- Implemented LANDesk Network Management throughout the DPS LAN.
- Implemented Cisco Security Agent (desktop and server security) throughout the DPS LAN.
- Implemented 100+ new desktop personal computers with latest Enterprise Technology Services (ETS) standard Microsoft (MS) desktops.
- Identified and rectified significant network and server problems in the crime lab.
- Implemented a VPN encryption solution to meet NCIC security audit requirements.
- Participated in all MS Enterprise Agreement planning and review activities.
- Filled key IT Developer, Security Officer, and Network Support positions.
- Recruited a dedicated APSIN Redesign Project Manager.
- Delivered a licensing database to Alcoholic Beverage Control Board to meet operational and audit requirements.
- Rewrote the commissioner's grievance database and migrated this to MS SQL.
- Implemented a use of force database for the commissioner.
- Implemented a new logging infrastructure for the DPS LAN.
- Completed hundreds of service request (fixes, maintenance, and new features) on the legacy APSIN application.
- Implemented departmental storage utility to centralize backup and data management.
- Implemented a new departmental Intranet server.
- Deployed all IT infrastructure for new Alaska State Trooper (AST) Mat-Su West post.
- Deployed all IT infrastructure for new AST post at Glennallen.
- Migrated trooper IT infrastructure to new Soldotna facility.
- Implemented Novell iPrint to support enterprise wide printing requirements.
- Completed second year of DPS IT Technology internships through the University of Alaska, Anchorage, resulting in two long-term employees at DPS and a number of new systems for DPS users.
- Migrated DPS help desk from MS Access to SQL, resolving major support issues.
- Supported vendor's deployment of web-based ADORE application for troopers.
- Supported vendor's deployment of Coplogic, an online service portal for state troopers.
- Migrated MS SQL Server and Visual Studio platforms from version 2000 to 2005.
- Supported state security office in resolving network security incidents.
- Upgraded DPS Anchorage headquarters' wire plant and core network infrastructure to GigE (thernet).
- Performed regular maintenance on headquarters' power facilities (UPS and generator).
- Documented the APSIN TCP-IP local agency interface for sponsored agency CAD systems; many Alaska police departments now connect to APSIN through this interface.
- Assumed responsibility for a new citation repository capability within APSIN.
- Completed significant staff training in core technologies, including MS SQL, SQL Reporting Services, MS Active Directory, Exchange, CSA, GJXML, SANS, etc.
- Completed maintenance on critical upgraded Officer Activity Reporting System (OARS) functionality.
- Restructured the DPS LAN to address numerous security issues at headquarters and remote sites.
- Coordinated and deployed a significant and complex trooper recruitment web site.

Statutory and Regulatory Authority

AK STATUTE	AAC	SHORT TITLE
AS 04.11.295		Criminal Background Check - Alcohol License
AS 08.08.137		Criminal Background Check - Alaska Bar Association
AS 08.24.120	12 AAC 02.160	Criminal Background Check - Collection Agency
AS 09.25.510		Electronic Signatures
AS 12.61.		Victim & Witness Confidentiality
AS 12.62.		Criminal Justice Information Systems Security & Privacy Act
AS 12.63.	13 AAC 9	Sex Offender Registration
AS 12.64.	13 AAC 68	National Crime Prevention & Privacy Compact
AS 12.80.060	13 AAC 68.120	Fingerprinting in Criminal Cases
AS 14.20.020	4 AAC 12.001	Criminal Background Check - Teaching License

AS 17.37.010		Medical Marijuana Registry - Accessible to Peace Officers
AS 18.20.302		Criminal Background Check - Nursing Facilities
AS 18.65.	13 AAC 30	Concealed Handgun Permit
AS 18.65.050		Central Information on Crime Evidence
AS 18.65.087	13 AAC 9	Central Registry of Sex Offenders
AS 18.65.410	13 AAC 60	Criminal Background Check - Security Guard License
AS 18.65.540		Central Registry of Protective Orders
AS 18.65.600		Missing Persons Clearinghouse
AS 18.65.700	13 AAC 30	Criminal Background Check - Concealed Handgun Permit
AS 18.65.748		Concealed Handgun Permit
AS 21.27.040		Criminal Background Check - Insurance License
AS 22.20.130	13 AAC 67.030	Criminal Background Check - Process Server
AS 25.25.310		Access to Law Enforcement Records for CSED
AS 28.10.505		DMV Records - Personal Information
AS 28.15.		Driver's License
AS 28.15.046	13 AAC 08.015	Criminal Background Check - School Bus Driver
AS 28.17.041	13 AAC 25	Criminal Background Check - Driving Instructor
AS 33.36.110		Adult Supervision Compact
AS 40.25.120		Public Records; Exceptions
AS 43.23.005		PFD Ineligibility/Criminal History
AS 44.41.020		Criminal Justice Info Systems - Agreements with Local, Federal Agencies
AS 44.41.025		Automated Fingerprint System
AS 44.41.035		DNA Identification System
AS 44.62.310-312		Public Meetings
AS 45.55.040	3 AAC 8	Criminal Background Check - Alaska Securities Act Registration
AS 47.12.030		Juvenile Waiver to Adult Status
AS 47.12.210		Juvenile Fingerprinting
AS 47.14.100		Criminal Background Check - Foster Care, Placement with Relative
AS 47.15.010		Juvenile Rendition Agreement
AS 47.17.033		Access to Criminal Records to Investigate Child Abuse/Neglect
AS 47.17.035		Access to Criminal Records to Investigate Child Abuse/Neglect/Domestic Violence
AS 47.33.100	7 AAC 75.220	Criminal Background Check - Assisted Living Homes
AS 47.35.		Child Service Providers
AS 47.35.017	7 AAC 50.210	Criminal Background Check - Child Care Facilities
AS 47.35.023		Criminal Background Check - Foster Care License, Provisional

United States Code		Federal Regulations	Description
5 USC	9101	5 CFR 911	Security Clearance Information Act (SCIA)
7 USC	21(b)(4)(E)	28 CFR 50.12	Exchange of FBI Records -Registered Futures Associations
10 USC	520a		Military Services Enlistment - Criminal Background Checks
15 USC	78q(f)(2)		Partners, Directors, Officers and Employees of National Securities Exchange Members, Brokers, Dealers, Registered Transfer Agents, and Registered Clearing Agencies
15 USC	78q	28 CFR 50.12	Exchange of FBI Records - Securities Industry
18 USC	2265		Safe Streets for Women Act of 1994
18 USC	922		Gun Control Act of 1968, Brady Handgun Violence Prevention Act and National Instant Background Check System (NICS)
25 USC	4138		Native American Housing Assistance and Self-Determination Act
28 USC	534	28 CFR 20	Acquisition, Preservation, and Exchange of Identification Records and Information
42 USC	561		Welfare Reform

42 USC	1437(d)		Multi-Family Housing Act - Availability of Criminal Records for Screening and Eviction
42 USC	2169	28 CFR 50.12	Exchange of FBI Records - Nuclear Power Plants
42 USC	3753(a)(11)		Bureau of Justice Assistance Grant Programs, Drug Control and System Improvement Program
42 USC	5101		Volunteers for Children Act
42 USC	5119		National Child Protection Act (NCPA)
42 USC	13041		Childcare Worker Employee Background Checks
42 USC	14071		Violent Crime Control and Law Enforcement Act of 1994 - Jacob Wetterling Crimes Against Children and Sexually Violent Offender Registration Act
42 USC	14071(d)		Violent Crime Control and Law Enforcement Act of 1994 (Amendment: Megan's Law)
42 USC	14072		Sex Offender Registration - FBI Database
42 USC	14611-16		National Crime Prevention and Privacy Compact Act of 1998
49 USC	44936		Airport Security Improvement Act

Contact Information

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Alaska Public Safety Information Network
Component Financial Summary

All dollars shown in thousands

	FY2006 Actuals	FY2007 Management Plan	FY2008 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	1,978.5	2,123.1	2,420.9
72000 Travel	25.6	22.3	22.3
73000 Services	382.9	676.3	676.3
74000 Commodities	72.0	51.9	51.9
75000 Capital Outlay	34.2	86.2	86.2
77000 Grants, Benefits	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	**2,493.2**	**2,959.8**	**3,257.6**
Funding Sources:			
1002 Federal Receipts	22.3	131.7	131.7
1004 General Fund Receipts	1,329.5	1,574.3	1,872.1
1007 Inter-Agency Receipts	1,031.7	1,122.2	1,122.2
1061 Capital Improvement Project Receipts	45.6	61.6	61.6
1108 Statutory Designated Program Receipts	64.1	70.0	70.0
Funding Totals	**2,493.2**	**2,959.8**	**3,257.6**

Estimated Revenue Collections

Description	Master Revenue Account	FY2006 Actuals	FY2007 Management Plan	FY2008 Governor
Unrestricted Revenues				
None.		0.0	0.0	0.0
Unrestricted Total		**0.0**	**0.0**	**0.0**
Restricted Revenues				
Federal Receipts	51010	22.3	131.7	131.7
Interagency Receipts	51015	1,031.7	1,122.2	1,122.2
Statutory Designated Program Receipts	51063	64.1	70.0	70.0
Capital Improvement Project Receipts	51200	45.6	61.6	61.6
Restricted Total		**1,163.7**	**1,385.5**	**1,385.5**
Total Estimated Revenues		**1,163.7**	**1,385.5**	**1,385.5**

Summary of Component Budget Changes
From FY2007 Management Plan to FY2008 Governor

All dollars shown in thousands

	General Funds	Federal Funds	Other Funds	Total Funds
FY2007 Management Plan	1,574.3	131.7	1,253.8	2,959.8
Adjustments which will continue current level of service:				
-FY 08 Health Insurance Increases for Exempt Employees	0.1	0.0	0.0	0.1
-Fund Source Adjustment for Retirement Systems Increases	127.4	0.0	-127.4	0.0
Proposed budget increases:				
-FY 08 Retirement Systems Rate Increases	170.3	0.0	127.4	297.7
FY2008 Governor	1,872.1	131.7	1,253.8	3,257.6

Alaska Public Safety Information Network
Personal Services Information

Authorized Positions			Personal Services Costs	
	FY2007 Management Plan	**FY2008 Governor**		
			Annual Salaries	1,447,113
Full-time	22	22	Premium Pay	6,679
Part-time	0	0	Annual Benefits	1,059,603
Nonpermanent	0	0	*Less 3.68% Vacancy Factor*	(92,495)
			Lump Sum Premium Pay	0
Totals	**22**	**22**	**Total Personal Services**	**2,420,900**

Position Classification Summary

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Administrative Clerk II	1	0	0	0	1
Analyst/Programmer IV	8	0	0	0	8
Analyst/Programmer V	4	0	0	0	4
Data Communicatns Spec II	1	0	0	0	1
Data Processing Mgr III	1	0	0	0	1
Internet Specialist II	1	0	0	0	1
Micro/Network Spec I	2	0	1	0	3
Micro/Network Spec II	1	0	0	0	1
Micro/Network Tech I	2	0	0	0	2
Totals	**21**	**0**	**1**	**0**	**22**