Legislative Update

January, 2001

Minnesota Office of Technology

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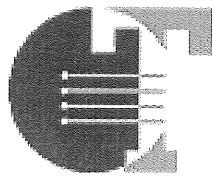
Legislative Update

January, 2001

The Department of Administration, Office of Technology is pleased to submit this status update to the 2001 session of the Minnesota Legislature. This report consists of four sections – each reporting on specific information system initiatives of the state.

Report Contents

1. Small Agency Infrastructure Initiative Progress Report
2. Eliminating Redundant Storage of Data
3. Establishing Information Sales Systems that Utilize Licensing and Royalty Agreements
4. One-Stop Licensing Initiative Report
5. Status of State & Intergovernmental Information & Communication Systems

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Small Agency Infrastructure Initiative Progress Report

State of Minnesota
Department of Administration
Office of Technology

**Minnesota
Office of
Technology**

*Small Agency Infrastructure
Initiative Progress Report*

January 2001

This information will be made available in an alternative format, such as Braille, large print, audio tape or computer diskette. It is also available on our Web site at http://www.ot.state.mn.us Our TTY number is 651.282.2228, or call 651.215.3878 to request this document in an alternative format. This document was created by the Office of Technology, Minnesota Department of Administration, 332 Minnesota Street, Suite E1100, St. Paul, MN 55101

Per the requirements of Minnesota Statutes Chapter 3.197, the cost of preparing this report is estimated to be $4,940 excluding the cost for printing.
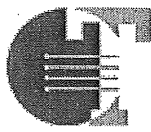
December 15, 2000

Small Agency Infrastructure Initiative Progress Report

Section Contents

December 15, 2000

Introduction & Background

The Office of Technology (OT) received an appropriation for the Small Agency Infrastructure Initiative (SAII) from the 1999 legislative session.

Laws of Minnesota 1999, Chapter 250, Article 1, Section 12, Subd. 3(c):

"This appropriation is for a one-time transfer to eligible small agencies for the small agency infrastructure project. The commissioner of administration shall determine priorities for which projects should be funded..."

The purpose of the initiative was to provide small agencies with basic network and desktop infrastructure such as personal computers, printers and servers, and to provide consistent standards for these small agencies. The amount of the appropriation was $2,128,000.

This progress report summarizes the Small Agency Infrastructure Initiative qualification and assessment process, allocation and funding transfer, benefits, lessons learned, and conclusions. The January 15, 2000 report provides more detail on the Qualification and Assessment Process, Allocation and Funding Transfer, Benefits, Lessons Learned, and Conclusions. A copy of the January 15, 2000 Small Agency Infrastructure Initiative OT report can be obtained from the OT's web site at: http://www.ot.state.mn.us/reports/.

Qualification and Assessment Process

Qualification Process

Small agencies were required to address Information Resource Management (IRM) and the Critical Success Factors (CSFs). Agency submissions were evaluated and feedback was given to each agency for future improvement. In addition, OT developed standards for desktop infrastructure. All hardware and software purchases related to this initiative adhered to those standards.

Technical Assessment and Findings

OT staff and a technical advisor conducted a high-level technical assessment of each agency. OT staff found that hardware and software infrastructure in many of these agencies was obsolete and substantially below minimum standards for processing speed and storage capacity.

Allocation and Funding Transfer

Allocation

A work plan and spending plan were created with each small agency to document the approved expenditure plan for the money allocated from this initiative. The work plan and spending plan were prepared using the agency's original spending request, the standard configurations and the technical assessment.

The initiative was not fully funded by the legislature. Therefore, OT calculated a target amount for each agency that represented approximately 71% of the original total request of $2,723,000. The

Minnesota
Office of
Technology

**Small Agency Infrastructure
Initiative Progress Report**

December 15, 2000

target levels were used as a starting point to determine the specific amount to be allocated to the agencies. The total amount allocated to the small agencies was $2,117,000, with a remaining balance of $11,000.

Funding transfer

The funding transfer was accomplished using a formal inter-agency agreement accompanied by a financial transfer between the Office of Technology and each of the small agencies. The inter-agency agreement listed specific duties for the small agencies as well as for the Office of Technology.

Funding Schedule

- All agencies received a minimum of two payments
- All agencies received the first payment in the Fall 1999
- All agencies received a second payment on July 14, 2000 upon completion and approval of a Strategic Information Resource Plan
- Two agencies were to receive three payments (Public Utilities Commission and Board of Social Work)

Next Steps

- Consult with agencies and monitor agency progress
- Approve agency strategic information resource plans
- Investigate adjusting base budgets

Benefits

Three categories of benefits were realized from the Small Agency Infrastructure Initiative.

- **Deployment of state-of-the-art infrastructure technology** such as providing the infrastructure foundation for operating and supporting business application systems such as case management and licensing systems which are needed to meet citizen expectations for quality and timeliness of service delivery.
- Business benefits
  Managerial business benefits:
    o Information resource management (IRM) and critical success factors were introduced as the framework and best practices for managing technology in these agencies
    o Strategic information resource planning will be established as a critical element in managing and providing a stable, focused IT environment
    o Inter-agency collaboration opportunities were explored
    o Life cycle replacement schedules were established to prevent equipment obsolescence in the future
  Operational business benefits:
    o Improving quality and timeliness of delivering products and services
    o Improving staff effectiveness and productivity
    o Increasing output volume while maintaining current resource levels
    o Reducing cost of delivering products and services
- **Statewide leadership benefits**, such as identifying strategic direction for desktop and network operating systems and providing managerial and technical advice to the small agencies.

December 15, 2000

Lessons Learned

OT staff discovered common, recurring themes within the small agencies which affected situations, behaviors and attitudes regarding technology. Those themes are listed below as "lessons learned".

- Executives must learn the fundamentals of information technology.
- Strategic planning for information technology is essential.
- Small agencies were receptive to this technology initiative.
- Infrastructure hardware and software standards provide benefits.
- Collocation enables State agencies to share IT resources.
- Continuous funding is needed for technology.

Conclusions

The Small Agency Infrastructure Initiative has been successful. Similar initiatives should be created in the future to leverage and improve management and use of information resources within all state agencies.

- Funding is a strong positive incentive for agency collaboration and for institutionalizing standards.
- Managerial and technical advice offered by the Office of Technology was accepted and appreciated by the small agencies.
- The role of host agencies in providing information technology and office space to associated boards should be clarified.
- Continued exploration of opportunities for co-location and shared resources should be encouraged.

The Final Initiative and Appropriation

Funding for the Small Agency Infrastructure Initiative was appropriated as follows:

Table 1 - Appropriation

Fund Name	Amount
General Fund (100)	$ 1,700,000
State Government Special Revenue Fund (170)	$ 168,000
Workers' Compensation Fund (320)	$ 260,000
Total Appropriated	$ 2,128,000

Allocation

The initiative was not fully funded by the legislature. Therefore, OT calculated a target amount for each agency that represented approximately 71% of the original total request of $2,723,000. The target levels were used as a starting point to determine the specific amount to be allocated to the agencies. Agencies reduced the scope of their original requests in order to adjust to the new funding level. As a result, certain elements of original agency requests were not accomplished.

December 15, 2000

The total amount allocated to the small agencies from the initiative appropriation was $2,117,000. After the funding transfers, a balance of $11,000 remains in the Office of Technology appropriation account that has been set aside for emergency small agency infrastructure needs.

- Agencies using the General Fund were funded at approximately 71% of initial requested amount.
- The Public Utilities Commission was funded at 100% per legislation.
- Administrative Hearings was funded at 100% from Workers' Compensation fund.
- Pharmacy Board & Social Work Board were funded at 100% from the State Government Special Revenue Fund.

The following table shows how the SAII appropriation was distributed to the participating agencies as per established Interagency Agreements.

Table 2: Allocation Summary Table

Agency Name	Target Amount	Allocated Amount	1st Yr Transfers (FY 00)	Date Transfer	2nd Yr Transfers (FY 01)	Date Transfer	3rd Yr Transfer (FY 02)
Accountancy Board	61,200	55,000	31,766	11/22/99	23,234	11/03/00	
Administrative Hearings	260,000	260,000	189,000	11/02/99	71,000	07/21/00	
Animal Health Board	361,700	340,000	280,176	11/10/99	59,824	07/21/00	
Capitol Area Architecture Board	35,600	34,000	17,200	11/10/99	16,800	10/13/00	
Crime Victim Ombudsman	11,400	25,000	16,900	12/10/99	8,100	07/21/00	
Disability Council	71,200	69,000	62,350	01/11/00	6,650		
Gambling Control Board	178,000	178,000	92,149	11/05/99	85,851	07/21/00	
Human Rights	112,500	112,000	75,796	11/10/99	36,204	07/21/00	
Judicial Standards Board	24,900	40,000	30,623	11/30/99	7,377	09/28/00	
Judicial Standards Board FY 00			2,000	06/28/00	0		
Bureau of Mediation Services	65,500	68,000	63,904	11/18/99	4,096	07/21/00	
Ombudsman for Corrections	84,700	60,000	50,340	11/17/99	9,660		
Ombudsman for Mental Health & MR	64,100	64,000	47,121	11/05/99	16,879	09/19/00	
Pharmacy Board	102,000	102,000	53,613	10/28/99	48,387	09/28/00	
Public Utilities Commission	323,000	323,000	86,500	10/28/99	90,470	07/21/00	146,030
Sentencing Guidelines	33,500	49,000	41,255	11/12/99	7,745	07/21/00	
Social Work Board	66,000	66,000	54,675	11/05/99	1,325	09/28/00	
Social Work Board FY 00	0	0	10,000	03/22/00	0		
Tax Court	105,400	105,000	57,540	11/10/99	47,460	07/21/00	
Veterans Affairs	167,300	167,000	140,726	11/12/99	26,274	08/02/00	
Totals	2,128,000	2,117,000	1,403,634		567,336		146,030

Strategic Information Management Resource Planning

To receive SAII funding, agencies were required to develop a strategic plan on how they would utilize SAII funds. The legislature approved a request by OT to retain a surplus of Y2K Electronic Government Services (EGS) funds in May of 2000. A portion of these funds were used to distribute grants to agencies for participating in Strategic Information Management Resource

December 15, 2000

Planning (SIRMP) sessions and developing their strategic plans for using SAII funds (as required by the original SAII interagency contract agreement). OT entered directly into contracts with an outside vendor to pay the costs associated with the same training sessions for additional agencies.

Following is a summary of OT reimbursements made to agencies for participating in the SIRMP sessions:

Table 3 - SIRMP Reimbursements

Agency Name	Reimbursements (FY 2000)	Reimbursements (FY 2001)
Animal Health Board	$3500	
Crime Victim Ombudsman	$3500	
Human Rights	$3500	
Bureau of Mediation Services	$3500	
Sentencing Guidelines	$3500	
Veterans Affairs	$3500	
Nursing Board	$3500	
Emergency Medical Services Regulatory Board (EMSRB)	$3500	
Public Utilities Commission	$3500	
Office of Administrative Hearings	$1500	
Tax Court	$1500	
Amateur Sports Commission (not an SAII agency)		$1500
Capitol Area Architectural Board		$1500
Disability Council		$1500
Judicial Standards Board		$1500
Social Work Board		$1500
Ombudsman for Corrections		$1500
Accountancy Board		$1500
Pharmacy Board		$1500
Totals	$34,500	$12,000

The total cost of reimbursements made to SAII agencies for SIRMP sessions was **$46,500.**

Next Steps and Recommendations

Similar initiatives to the SAII must be developed and funded to help agencies defray the cost of maintaining and updating their technology infrastructure. The SAII was originally intended to be an on-going funding project. However, the SAII appropriation to the OT was a one-time appropriation. The SAII monetary transfers made to state agencies have been tremendously beneficial for participating small agencies and the state technology infrastructure as a whole. However, the costs of maintaining and updating existing infrastructure is substantial for all state agencies. Future initiatives that provide funding for state agencies to maintain and update their technology infrastructure will certainly improve the management of state agencies and the use of information resources across state government.

December 15, 2000

The Office of Technology requests the State Legislature to fund new staff positions, referred to as Technology Analysts, who will work with various government agencies, including the small agencies referred to in this report. On an ongoing basis, these Technology Analysts ("TAs") will provide guidance, support and monitoring of agency information technology initiatives and capabilities to meet critical agency goals. Thus, basic objectives of the SAII will be met.

Minnesota Office of Technology

Eliminating Redundant Storage of Data

State of Minnesota
Department of Administration
Office of Technology

Minnesota Office of Technology

Eliminating Redundant Storage of Data

January 2001

December 15, 2000

Moving Beyond Eliminating Redundant Storage of Data
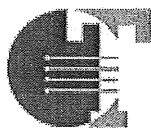
December 15, 2000

Section Contents

December 15, 2000

Mandated Report and History

Minnesota Statutes 16E.04, Subd. 2(f) states

"the Office of Technology, in consultation with the Intergovernmental Information Systems Advisory Council [IISAC] and the Legislative Reference Library, shall recommend specific standards and guidelines for each state agency within a time period fixed by the office in regard to the following:

> "establishing methods and systems directed at reducing and ultimately eliminating redundant storage of data;"

In the fall of 1997, the OT established a task force to formulate a collaborative strategy to examine the issue of redundant data storage. The OT presented that group's recommendations to the Information Policy Council (IPC). Following a structure that was strategically established through the 1998 reorganization of the IPC, an IPC subcommittee, the Data Issues Group – Information Technology (DIG-IT) was created to explore data management issues including redundant storage of data.

The OT provides support and leadership to DIG-IT as the subcommittee examines data management issues and creates opportunities and options for solutions to a myriad of data management issues. IISAC provided input through its membership on the IPC but its funding expired on December 31, 1999. The OT submitted the first data redundancy report, "A Quest for Data Quality – Eliminating Redundant Storage of Data" in January 1998. That report was subsequently updated in January, 1999 and January, 2000. (These reports are available on the Web at http://www.ot.state.mn.us/reports/archive.html.)

Objective of This Report

The main objective of this report is to illustrate that technological advances in distributed computing have rendered the issue of redundant data largely moot. Instead, business and industry have developed information strategies such as Enterprise Application Integration, and integration tools such as Application Integration and Middleware Products, open standards and web portals to permit disparate information systems to communicate with each other while maintaining the autonomy of their systems and data.

The other objective of this report is to advise the legislature on some of the new technologies and methodologies, such as Application Middleware and Enterprise Application Integration, that can help the state of Minnesota make the transition to e-government, and help individual agencies become more integrated, efficient, and responsive to citizen needs. The current effort in Minnesota to develop CriMNet, an integrated criminal justice information system is profiled as an example of how the state of Minnesota is already moving towards these new technology models.

December 15, 2000

The Problem

In the Fall of 1997, when the state legislature authorized the Minnesota Office of Technology (OT) to draft this report, the general consensus among the legislature, state agency managers and the technology managers was that the state needed to pursue an effort of reducing and ultimately eliminating the redundant storage of data. The problems facing agencies and the state as a whole that inspired this effort included:

- Duplication of effort
- Inconsistent data definitions and relationships
- Inefficient processes and information flow
- Inaccessibility of data for sharing and reuse
- Reliance on paper forms for exchange of data
- Incompatibility of technical environments (systems don't "talk" with other systems)
- Lack of consolidated information for decision support

All of these issues make it difficult to utilize information efficiently and effectively. In the public sector, information is the "glue" that holds the intentionally separate, yet necessarily integrated business processes and agencies together.

Historically, state agencies have tended to approach development and modification of their computer systems from an individual agency perspective. This approach has been driven by a number of factors, including unique state statutory and federal requirements, state budget and finance policies that are not well-suited to funding community initiatives, and agency risk aversion. This approach continues to be taken by agencies today and will likely continue for the foreseeable future. The needs of agencies are divergent enough and their business rules too complex for a state-wide effort of simply "reducing redundant storage of data" to be successful.

Traditional approaches to achieving integration across multiple applications have involved the coding of multiple interfaces across applications. Figure 1 illustrates the typical approach to integration taken by a commercial enterprise. Sharing of data across these applications requires creation of a "rat's nest" of coded interfaces that are expensive to create, difficult to maintain, and not well-integrated with the business processes that rely on the applications for integration.

Today's Fragmented Environments

ERP Suppliers

ERP Manufacturing

Database

Legacy Billing

Web Server (e-Commerce)

ERP Distributors

Call Center (Customer Support)

Data Warehouse
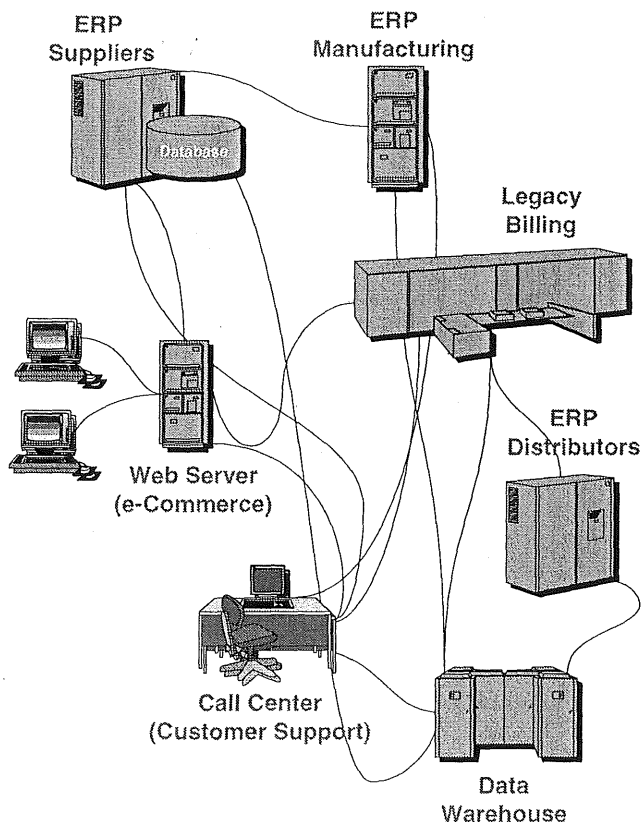
December 15, 2000

New Technology Solutions

OT believes that the overall goal of Statute 16E.04, Subd. 2(f) was to help make Minnesota government a better steward of information. To accomplish this goal, the State chose a strategy of reducing or eliminating the redundant storage of data. Although this strategy had merit at the time, the **Internet revolution has brought forward new strategies** for dealing with the problems discussed above. As a result, there has been a major "shift" in thinking in the technology sector on the best strategy for integrating information systems.

Instead of focusing on reducing redundant storage of data, which can be an endless, costly, and non-value-added process, organizations have developed a **new model of distributed computing that permits applications to share data** while retaining their autonomy. This model is widely known as Enterprise Application Integration (EAI).

Enterprise Application Integration (EAI)

The development of new computing tools have created a new technology model called Enterprise Application Integration (EAI). In the EAI model, organizations keep their existing databases, and continue to maintain and update their systems based on their individual needs.

The EAI model helps integrate infrastructure, applications, and government processes, which is the first step towards a successful transition to e-government.

The Benefits of Enterprise Application Integration are many and include:

- Ability to model business processes based on business requirements instead of technology capabilities
- Ability to focus on business logic instead of connectivity and infrastructure logic
- Reduced development cycle
- Faster time to production
- Connection to Enterprise Resource Planning (ERP) systems
- Connection to legacy systems
- other software components and the software applications they power.

EAI Environments
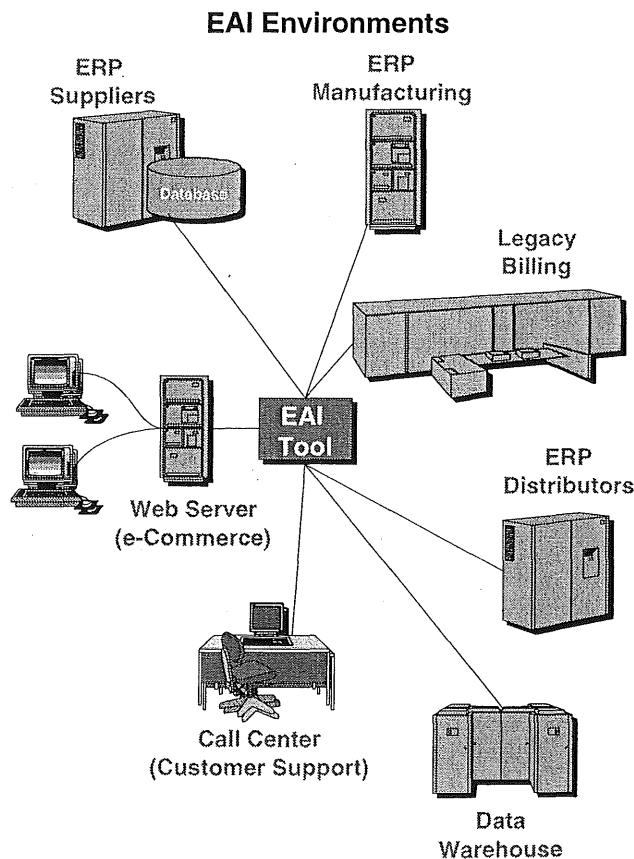
Figure 2 illustrates how EAI transforms the traditional integration model illustrated in Figure 1.

December 15, 2000

EAI Tools

Evolution of the EAI model has been driven by the development of integration tools, including:

- **Application Integration and Middleware** products that "glue" and manage highly distributed applications, connecting custom, commercial, and legacy applications
- **Internet Portals**, like North Star, which pull together various data sources under one umbrella so citizens and agencies alike can access a wide range of information through one Web site
- **Open Standards** are published standards that are owned by no one, but used universally. The use of open standards ensures a high degree of interoperability with other software components and the software applications they power.

Government, perhaps more than any other organization, can benefit from the efficiencies and improved service that can be obtained from using these tools. The traditional vertically integrated computing industry created a huge variety of incompatible computers and architectures. A few years ago, most governments were very concerned that within a department or agency there might be a mainframe application, a mini-computer application and numerous PC Local Area Networks (LANs).

But **today's mantra is: integrate and distribute.** Mature IT environments today consist of a variety of distributed applications ranging from legacy applications to open systems applications to Enterprise Resource Planning (ERP) applications. In many cases, data from all of the above types of distributed applications can be accessed from a web-based front-end browser. The following tools make EAI integration possible.

Application Integration and Middleware Products

Application integration and middleware products are making these hybrid systems possible. "Middleware is the glue that coordinates distributed computing," said Richard Schreiber, president of ATB Associates, a firm specializing in middleware technologies. "It's the stuff of interoperability."

In fact, one of middleware's features is its ability to hide the complexity of hard-to-configure distributed applications. Middleware sits between the operating system and the applications, providing developers with a single interface to which applications can be written. Middleware allows computer users to cope in a world of heterogeneous systems, because it helps to insulate users from complexity and change, and cuts down on maintenance. This approach means individual agencies and the state as a whole can move to a new architecture model without throwing away existing investments in systems. This can result in major savings for state governments.

Application Integration and Middleware Products use two common methods for integrating systems or applications: Data-based Integration and Message-based Integration.

In data-based integration, data is sent from one application to another via flat files, file-transfer protocol (FTP), etc. The advantages of data-based integration include:

- Easy to implement
- Ideal for single purpose integration (data migration, system conversion)
- Ideal for legacy-application integration

December 15, 2000

In message-based integration, data is exchanged between applications via messaging. A messaging product is usually used as the transport while an application adapter is utilized as the interface. Enterprises rely on many different applications in the course of running the business.

For example, in the convenience store environment, there are applications for point-of-sale terminals, electronically controlled gas pumps, credit card authorization, inventory control, and so on. To perform a typical transaction in this environment, applications check the customer's credit status, price the merchandise, transfer funds between the customer's bank and the merchant's bank, and manage the store's inventory. Problems arise when applications, running on different system platforms, cannot communicate with each other. Security is an issue, too. Financial institutions do not want retailers viewing the personal records of their customers' bank accounts. These businesses must find a timely, economical way for different applications to communicate with each other. The solution must preserve the security of sensitive customer records and protect the software vendors' intellectual property—that is, the proprietary information that makes up an application. The advantages of message-based integration include:

- Very high degree of scalability
- Ability to get around network/application failures
- Ability to utilize commercial messaging products
- Ability to support multiple clients (many-to-one)
- Ideal for a highly distributed environment

Pulling Data Together through Portals

A long-term goal for the state of Minnesota is a provision of a single "portal" to state government so that citizens and agencies alike can access a wide range of information. This "single face of government" model allows users an easy way to tap into virtually any government service they choose. As stated by Bill Gates, "Governments can use the Web to create a single face to the public, hiding the complexity of internal departmental organization and dramatically improving service."

Nortel Networks refers to this concept as a "unified network," which they feel will usher in an entirely new way for citizens to interact with the public sector. For example, Nortel Networks envisions an integrated network in which a constituent will log onto a government portal to renew their driver's license but will also have the ability to file their state taxes during the same session. And since the portal is tied to a variety of databases, if a citizen has additional questions about a service they need, they will have access to the necessary data.

The State of Minnesota's North Star website represents the beginnings of such a portal. As it evolves, North Star will add transactional services that will permit Minnesota citizens to perform a wide variety of transactions with government. The recent addition of the Department of Public Safety's Online License Renewal function is one such example. It was built using a payment engine contracted through OT and can be deployed to any agency desiring to provide services online that require a payment.

Open Standards

A sound e-government software component exhibits two primary characteristics. First, as with system infrastructure, it should be developed around "open standards." An open standard is a published standard that is owned by no one and is used universally. This will ensure a high

December 15, 2000

degree of interoperability with other software components and the software applications they power. The use of open standards in software components allows a government greater choice and flexibility, as well as quicker implementation, in the types of software applications it chooses to deploy.

An Example of Minnesota's EAI Strategy: CriMNet

Minnesota is already moving towards an EAI model in the criminal justice sector.

Information integration -- the ability to share critical information across systems and agencies -- has long been a significant problem for the Minnesota criminal justice community. In an effort that cut across traditional boundaries, Hennepin County, the City of Minneapolis, the Local Government Information Systems Consortium (LOGIS), the State of Minnesota, Minnesota HEALS, and the Minnesota Business Partnership launched an effort to make statewide sharing of criminal justice information a reality. The initiative has resulted in a set of architectural documents that describe how Minnesota can achieve integration of criminal justice information systems at the state, county, and municipal levels.

By specifying the processes, data and technology that Minnesota criminal justice agencies will use to communicate, the models and forthcoming project plan will provide an "open standard" through which criminal justice agencies will share data. Instead of trying to eliminate redundant data, CriMNet will tie multiple data sources together within a logical framework.

CriMNet's technology model envisions a central State Integration Backbone that will use Integration Middleware to route messages among all integration partners. This message-oriented architecture is consistent with the EAI strategies described in this document.

Next Steps

Rather than focusing on eliminating redundant storage of data, Minnesota should further explore the use of new methodologies and technologies such as Enterprise Application Integration and Application Integration and Middleware Products that can help the state of Minnesota make the transition to e-government and help individual agencies become more integrated, efficient, and responsive to citizen needs. In this way, Minnesota can address the broader issue of data and system integration.

Works Cited

- KPMG Consulting, Application Middleware and Enterprise Application Integration. September, 1999.
- Tod Newcombe, Making the Most with Middleware. Government Technology Magazine. November, 1996.
- CriMNet State Criminal Justice Architecture, State of Minnesota. October, 2000.
- Bill Gates, Business at the Speed of Thought: Succeeding in the Digital Economy. Warner Books, Inc. 1999.
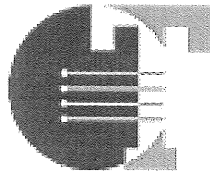
Minnesota
Office of Technology

**Establishing Information
Sales Systems that
Utilize Licensing and
Royalty Agreements**

State of Minnesota
Department of Administration
Office of Technology

Minnesota Office of Technology

Establishing Information Sales Systems that Utilize Licensing and Royalty Agreements

January 2001

December 15, 2000

Establishing Information Sales Systems that Utilize Licensing & Royalty Agreements

Minnesota Office of Technology

December 15, 2000

Section Contents

December 15, 2000

Mandated Report

The 1997 Minnesota State Legislature mandated the establishment of "information sales systems" that are the topic of the following report to the legislature.

Minnesota Statutes 16E.04, Subd 2(f) states

"[T]he office *[Minnesota Office of Technology]*, in consultation with the intergovernmental information systems advisory council and the legislative reference library, shall recommend specific standards and guidelines for each state agency within a time period fixed by the office in regard to the following:

> (2) establishing information sales systems that utilize licensing and royalty agreements to the greatest extent possible, together with procedures for agency denial of requests for licenses or royalty agreements by commercial users or resellers of the information. Section 3.751 does not apply to those licensing and royalty agreements, and the agreements must include provisions that section 3.751 does not apply and that the state is immune for liability under the agreement."

The first report on this topic to the legislature was issued in December 1998. The OT delivered it as the "first annual report to address the issues of standards and guidelines for state government use and application of intellectual property rights granted under federal and state law."

Background

The statute is specific in its requirement that OT recommend standards and guidelines regarding the establishment of "... <u>information sales systems</u> that utilize license and royalty agreements...[and] procedures for agency denial of requests for licenses or royalty agreements by commercial users or resellers of the information." The "information" referred to by statute is "public government information." In response to public policy concerns, the legislature asked the OT to establish standards and guidelines to direct agencies faced with (1) a request for public data by an entity that plans on reselling that data, and (2) agency initiated selling of data as a new revenue stream.

The 1998 report highlighted several public policy issues and suggested that the concept of government selling information gives rise to several public policy concerns that require further public debate – led by the legislature – prior to establishment of such "systems."

Significant Public Policy Issues

1   Controls on use may impact public access to government data
    ✓ Citizen **access rights** versus citizen **use rights**
    ✓ Implications of First Amendment (freedom of speech)

December 15, 2000

2   Government must define goals for the exercise of licensing and collection of royalties
- ✓ Revenue generation
- ✓ State government only or inclusion of local government entities

3   Criteria should be established for government's licensing consideration
- ✓ Public domain issues
- ✓ Copyright issues
- ✓ Data integrity issues

4   Criteria should be established to assure equal access, equal pricing and equal application of remedies (under the law)
- ✓ Control of information for partisan objectives
- ✓ Determination of commercial value to determine royalties
- ✓ Infringement action criteria

OT's 1998 report concluded that, "Considering all of the above issues, the Office respectfully invites the legislature to provide the forum for public debate on the issues delineated. The outcome of such debate will provide this Office direction for meeting its legislative charge to 'recommend specific standards and guidelines for each state agency to establish information sales systems that utilize licensing and royalty agreements to the greatest extent possible, together with procedures for agency denial of requests for licenses or royalty agreements by commercial users or resellers of the information."

The 1999 Minnesota State Legislature did not specifically address the public policy issues related to licensing the sale of government information.

In 1999 the status update blended individual privacy concerns into the array of public policy issues that need to be discussed. The report also cited some specific principles and asked the legislature to incorporate them into the policy debate. Those principles included:

- The Department of Administration supports the principle of open access to public data. Information should be provided in a reasonable amount of time and for marginal cost recovery.
- The Department of Administration also supports the principle that data should be accurately maintained and those providing data to units of government be given a knowing disclosure of the potential use of the data.
- It is appropriate for the government to sell information only if it creates an enhanced product or provides a convenient value-added service. That is currently the case with Minnesota's Bookstore. Many of their name and address lists are sold for commercial purposes, and to out-of-state entities, and it is inappropriate for Minnesota taxpayers to subsidize those services.

The 1999 report again concluded that "Once the current legislative debate regarding data privacy has run its course, the TPB (*now known as OT*) will be in a better position to assess expectations and how it "shall recommend specific standards and guidelines for each state agency ... and(2) establishing information sales systems that utilize licensing and royalty agreements to the greatest extent possible."
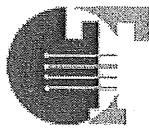
December 15, 2000

The 2000 Minnesota State Legislature did not specifically address the public policy issues related to licensing the sale of government information. As such, there is nothing new to report.

It is important to understand that the lack of a "system" does not preclude agencies from exercising their entrepreneurial talent to pursue authorization to sell and market public government data. Under current policy controls, the Department of Administration and the state Attorney General's office may authorize a contract to sell any state services – thus setting a precedent for how to handle similar cases and providing a framework for subsequent policies and guidelines.

Next Steps

The Minnesota Office of Technology respectfully invites the legislature to provide the forum for public debate on the issues delineated. The outcome of such debate could then be used to draft more meaningful legislation that could facilitate standards and guidelines concerning the use of public government data.

**Minnesota
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One-Stop Licensing
Initiative Report

State of Minnesota
Department of Administration
Office of Technology
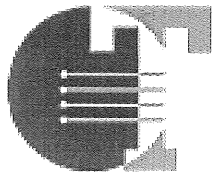
Minnesota Office of Technology

One-Stop Licensing Initiative Report

January 2001

This information will be made available in an alternative format, such as Braille, large print, audio tape or computer diskette. It is also available on our Web site at http://www.ot.state.mn.us Our TTY number is 651.282.2228, or call 651.215.3878 to request this document in an alternative format. This document was created by the Office of Technology, Minnesota Department of Administration, 332 Minnesota Street, Suite E1100, St. Paul, MN 55101

Per the requirements of Minnesota Statutes Chapter 3.197, the cost of preparing this report is estimated to be $2,470 excluding the cost for printing.

December 15, 2000

The One-Stop

Licensing Initiative

Minnesota
**Office of
Technology**

**The One-Stop Licensing
Initiative**

December 15, 2000

Report Contents

Minnesota Office of Technology

The One-Stop Licensing Initiative

December 15, 2000

Introduction

Minnesota Statutes 16E.08 Business license information

> "The office [*Minnesota Office of Technology*] shall coordinate the design, establishment, implementation, and maintenance of an electronic system to allow the public to retrieve by computer information prepared by the department of trade and economic development bureau of business licenses on licenses and their requirements. The office shall establish the format and standards for retrieval consistent with state information and data interchange policies. The system must also be designed to allow the public to apply for and obtain business licenses and permits online. The office shall integrate the system with the North Star online information system. The office shall work in collaboration with the department of trade and economic development bureau of business licenses. The bureau is responsible for creating and operating the system."

Objective of This Report

The principle objective of this report is to describe efforts to coordinate and integrate information technology systems to effectively deliver government services to citizens electronically. It will illustrate that technological advances and the shared use of equipment and systems provide for a practical solution to the State's "One-stop" initiative. Instead of replacing dozens of existing licensing systems with a single system, different strategies employed by agencies will allow them to preserve their original investments (and the local autonomy of systems and data) and still integrate and display a "common face" to internal and external customers. Thus, for these customers, government and citizens alike, there will be a "one-stop" resource for delivery of government services.

Another objective of this report is to inform the legislature about different technologies and approaches, such as the building of an Information Technology Architecture and Enterprise Application Integration, that can help the state of Minnesota make the transformation to e-government, and help agencies become more integrated, efficient, and responsive to citizen needs. The license tab renewal system jointly developed by the Minnesota Office of Technology (OT) and the Department of Public Safety is profiled as an example of how reusable components can facilitate one-stop licensing without creating a "new system."

Background

In 1993, Executive Order 93-9 directed the commissioner of the Department of Trade and Economic Development to conduct a feasibility study of "one stop shopping" for business-related licenses and permits of State of Minnesota agencies. The feasibility study included:

- A survey of the perception of businesses on issues in obtaining licensing;
- Participation by state agencies in identifying current and possible future licensing improvements;
- A review of other states' activities; and
- Development of an electronically accessible one-stop process simulation

A survey was sent to 3,000 Minnesota businesses from industries considered significant to Minnesota's economy regarding how useful a proposed One-stop site would be to them. These businesses were considered likely to experience a substantial amount of government regulation

December 15, 2000

in their business operations. The results of the survey disclosed that licensing is a prevalent and persistent requirement for Minnesota businesses; that there are costs to businesses in securing these licenses; and those businesses favor a one-stop effort.

Additionally, state agencies indicated considerable thought and effort had been given to the one-stop issues by several departments. Many agencies already had in place internal one-stop procedures and cross-agency consolidation of regulatory functions:

- Prior to committing to the development of an automated system, the perspectives of myriad state agencies and businesses were sought (Administration, Commerce, Natural Resources, Pollution Control, Public Safety, Revenue, Transportation, and thee Boards of Electricity, Gambling Control, podiatric Medicine, Water and Soil Resources, Attorney General, Turkey Growers Association, Secretary of State, and the Minnesota Racing Commission),

- Several states already had implemented one-stop licensing and permitting efforts (California, Connecticut, Florida, Illinois, Oregon and Virginia). These one-stop efforts were reviewed and found to be limited to providing only information about license and permit requirements.

The legislature provided initial funding of the initiative in fiscal year 1998. The legislature required that OT and Department of Trade and Economic Development (DTED) work cooperatively to develop a database of licenses and permits.

- DTED committed to developing a catalog of business licenses and permits that are required in Minnesota. DTED has completed that catalog, which is housed and maintained on the North Star portal.

- The 1999 legislature amended the original Minnesota Statute 16E.08 to include the requirement that "the system must also be designed to allow the public to apply for and obtain business licenses and permits on-line."

The Problem

In 1998, and when the state legislature authorized the OT to draft this report, the legislature believed that the most expedient and cost effective way of dealing with problems presented by fragmented licensing processes was to build a "one-stop shopping" system on top of the DTED database. The problems facing agencies and the state as a whole that inspired this effort included:

- Reliance on paper forms for collecting and exchanging data
- Inaccessibility of data for sharing and reuse
- Duplication of effort
- Inefficient processes

These issues make it difficult for consumers to research, apply for and purchase permits and licenses.

Historically, state agencies have approached development and modification of their computer systems from an individual agency perspective. This approach was driven by a number of

December 15, 2000

factors, including unique state statutory and federal requirements, and state budget and finance policies that are not well-suited to funding community initiatives. This approach continues to be taken by agencies today and will likely continue for the foreseeable future. The needs of agencies are divergent enough and their business rules too complex for a state-wide effort to combine all of the licensing systems into a single software application to be practical.

It is important to note that **the electronic delivery of services is the responsibility of each agency. OT's responsibility is to lead and facilitate the creation and adoption of an EGS strategic plan, to create a framework of reusable technology components and to integrate those components into state agency infrastructure.** OT is also responsible for identifying collaboration possibilities to achieve the goals of the EGS vision, and where appropriate, take the lead to initiate work efforts.

Thinking Through a Solution

OT and DTED agree that the original DTED licensing description database and web application are not suited to serve as a foundation for a new comprehensive licensing system. That web-based application and architecture simply does have the capability, because of software constraints, to include functions such as automated workflow, secure financial transactions and inbound/outbound interfaces to or from other agencies, to name a few.

Problems are further exacerbated because some larger agencies already have internal licensing applications that integrate with their existing systems and support processes like license renewal, enrollment, verification and payment processing. Moving licensing functions to DTED would propagate changes throughout their systems – resulting in additional investments and/or fragmented systems. Redesigning their systems will take longer and cost more than using the secure financial transaction (SFT) engine already deployed by OT for the Department of Public Safety.

It is the position of OT and DTED that a comprehensive integrated licensing application not be pursued in the form prescribed in Minnesota Statute 16E.08.

That being said, OT is strongly committed to the goals and benefits of the one-stop initiative. To that end, OT believes that it should help provide the underlying technology for multi-agency, web-based transactions and eliminate the need for individual agencies to develop that functionality on their own. The underlying technology referred to here is a statewide information technology architecture composed of reusable components such as data, applications, technology, and business functions. These components set a standard that all agencies can follow, using their individual databases, thus making them the key enabler to the development of comprehensive statewide efforts.

New Technology Solutions & Approaches

OT believes that the overall objective of Statute 16E.08 was to help streamline the acquisition of permits and licenses for businesses and consumers. To accomplish this goal, the legislature chose a strategy of building a new and comprehensive licensing system. Although this strategy had merit, the **"new economy" has brought forward new strategies** for dealing with the problems discussed above. As a result, there has been a major "shift" in thinking in the technology sector on the best strategy for integrating information systems.

December 15, 2000

Pulling Data Together through Portals

A long-term goal for the state of Minnesota should be a provision of a single "portal" to state government so that citizens and agencies alike can access a wide range of information. This "single face of government" model allows users an easy way to tap into virtually any government service they choose.

As stated by Bill Gates, **"Governments can use the Web to create a single face to the public, hiding the complexity of internal departmental organization and dramatically improving service."**

From a licensing standpoint, it is very realistic to expect that the customer will see the state as one entity even though several agencies actually complete the work.

Nortel Networks refers to this concept as a "unified network," which they feel will usher in an entirely new way for citizens to interact with the public sector. For example, Nortel Networks envisions an integrated network in which a constituent will log onto a government portal to renew their driver's license but will also have the ability to file their state taxes during the same session. And since the portal is tied to a variety of databases, if a citizen has additional questions about a service they need, they will have access to the necessary data.

The State of Minnesota's North Star website represents the beginnings of such a portal. As it evolves, North Star will add transactional services that will permit Minnesota citizens to perform a wide variety of transactions with government. The recent addition of the Department of Public Safety's Online License Renewal function using the payment engine deployed by the Office of Technology is one such example.

Architecture in Action – Online Vehicle License Renewal

The single biggest EGS (Electronic Government Services) initiative completed this year was the online vehicle license renewal system, which was launched in July by OT and the Department of Public Safety (DPS). This project was the fulfillment of one of the *technology on target* efforts.

This initiative sets **the cornerstone in the state's EGS enterprise framework** by delivering a set of reusable components that can be quickly adapted by *any agency* interested in incorporating secure online transactions into their business model.

Component Based Payment Architecture

Existing Agency Applications and Infrastructure

Agency Databases

Agency Licensing Application

Internet

Customer Web Browser

Internet

Payment & Reconciliation Framework

Payment Engine

Payment Database

Payment Server

Authorization & Settlement Services
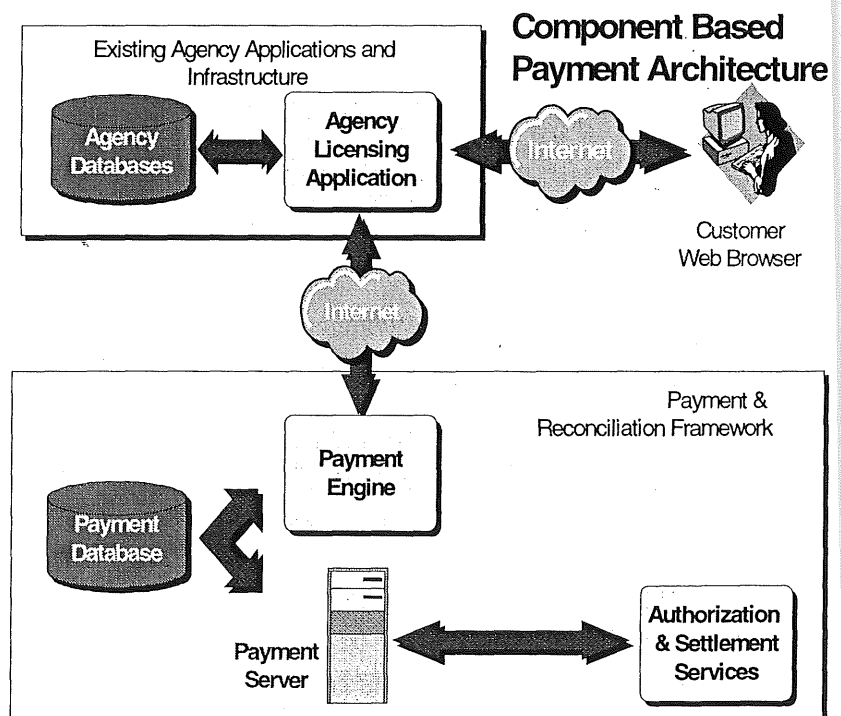
December 15, 2000

In addition to the framework, online tab renewal demonstrates the effectiveness of the Internet for streamlining government while simultaneously improving customer service and the state's image. Online tab renewal is "easy, secure and fast." Renewals may be made for passenger vehicles and customers pay by credit card or a direct transfer of funds from their checking or savings account. The transaction goes directly to the DPS in an encrypted file, which prevents disclosure of financial data to third parties. OT contracted with a private firm, EzGov, to employ software that allows secure payment for services over the Internet. The software uses the highest level of encryption available today.

The initiative is designed to create a foundation of flexible, robust technological capabilities to encourage further growth of electronic government service capabilities. By building one, common infrastructure, Minnesota can provide each state agency with a secure, interactive core infrastructure that, after developing programs and interface applications specific to their unique service goal(s), can be used to provide business licensing and permitting.

Breakdown of Expenditures

The following table shows how the FY 2001 One-stop funds were used to support the EGS Secure Financial Transaction architecture.

Financial Summary			
Expense Category	FY 2000 Actual Expenses & Encumbrances (SFT Prototype)	FY 2001 Budget	FY 2001 Actual Expenses & Encumbrances Through 12-00 (EzGov Contract)
Personnel	$ 0	$ 0	$ 0
Supplies/Software	$ 16,034	$ 0	$ 0
Hardware	$ 0	$ 0	$ 0
Facilities	$ 0	$ 0	$ 0
Training	$ 1,800	$ 0	$ 0
Services	$ 245,912	$ 236,254	$ 117,000
Grants	$ 0	$ 0	$ 0
Total	**$ 263,746**	**$ 236,254**	**$ 117,000**

EGS Steering Committee Formed

An EGS Steering Committee was formed to formalize the approach to EGS delivery. The *Statewide Collaborative EGS Steering Committee's* charge is to identify and sponsor the implementation of policies and technical infrastructure that enable agencies to deliver services electronically consistent with business needs. Policies and technical infrastructure includes the development of data practices, records management, legislation, directory services, security, software/hardware, digital signature (certificates), authentication, encryption and secure financial transactions (SFT) to assist agencies in meeting common statutory requirements.

December 15, 2000

Membership: large, medium and small state agencies, and IPC, OT, ITG and IPA. OT provides staff and support for the committee.

Responsibilities

1 Advise and make recommendations to the Assistant Commissioner, OT
2 EGS Clearing House: Coordinate with other enterprise-wide EGS architecture and technology efforts; become aware of all EGS projects and encourage strategic alignment among agencies; leverage opportunities and resources; promote agency communication; overcome obstacles
3 Build and Promote a Tool Box - Identify and prioritize the tools necessary to complete projects and make recommendation to IPC; legislation, policy, standards, and guidelines
4 Identify, prioritize and decide upon projects for implementation and present to IPC - Provide direction and resources to agencies; Project Sponsor – May write and steer an initiative, guided by the project representative, and present that initiative for funding approval

Outcomes and Goals

1 Enable/promote collaboration by agencies by offering a Tool Box full of solutions developed by agencies.
2 Sponsor projects by offering a Tool Box of solutions and direct practical collaboration efforts between agencies to deliver services electronically. All efforts will be project based.

High-level strategies and recommendations regarding EGS

The following strategies will be considered as EGS initiatives move forward:

- Centralize and stabilize funding for the development of common EGS infrastructure, through a Technology Enterprise Fund, advised by a public/private Technology Enterprise Board.
- Centrally develop, deploy and maintain a statewide framework of common infrastructure components for EGS. This framework includes, but is not limited to security, financial transactions and architecture.
- Promulgate the use of the common infrastructure components throughout all agencies.
- Identify common functions within agencies and encourage collaboration and sharing when EGS application projects are implemented.
- Define infrastructure standards and strongly encourage their use across all agencies, while allowing agencies to prioritize the application of those standards.
- Consider using private sector delivery mechanisms where appropriate – assuming customer satisfaction, service and data quality are not compromised.
- Retain visitor identification and click-stream data only to the extent that it is necessary for official state business e.g., aggregate statistics or transaction based audit trails.

December 15, 2000

Next Steps

- The Minnesota Office of Technology will aggressively move forward with Information Technology Architecture Initiatives.
- Minnesota will further explore the use of new methodologies and technologies such as Enterprise Application Integration and Application Integration and Middleware Products that will help the state of Minnesota make the transition to e-government and help individual agencies become more integrated, efficient, and responsive to citizen needs.
- The Minnesota Office of Technology will continue identifying and developing collaborative efforts for delivery of electronic government services.

Works Cited

- KPMG Consulting, *Application Middleware and Enterprise Application Integration*. September 1999
- Tod Newcombe, *Making the Most with Middleware*. Government Technology Magazine.
- Bill Gates, *Business at the Speed of Thought: Succeeding in the Digital Economy*, Warner Books, Inc 1999
- United States Department of State, *Information Technology Architecture*. April 1999

Minnesota Office of Technology

Status of State & Intergovernmental Information & Communication Systems

2000 Systems Inventory

State of Minnesota
Department of Administration
Office of Technology

Minnesota Office of Technology

Status of State and Intergovernmental Information and Communication Systems

2000 Systems Inventory Update

January 2001

December 15, 2000

Status of State and Intergovernmental Information and Communication Systems

Year 2000 Systems Inventory

Minnesota
**Office of
Technology**

**Status of State &
Intergovernmental Information &
Communication Systems**

December 15, 2000

REPORT CONTENTS

Minnesota
Office of
Technology

Status of State &
Intergovernmental Information &
Communication Systems

December 15, 2000

MANDATED REPORT

Minnesota Statutes 16E.04, Subd 2(g) states:

"The office [Minnesota Office of Technology] shall conduct a comprehensive review at least every three years of the information systems investments that have been made by state agencies and higher education institutions. The review must include recommendations on any information systems applications that could be provided in a more cost-beneficial manner by an outside source. The office must report the results of its review to the legislature and the governor."

In December 1997, the initial report framed this topic as follows:

"Over the years, Minnesota has made few attempts to ascertain its level of investment in technology. The legislature and the agencies have a notion that the level of investment is "big" but really have no hard facts to substantiate this belief. Because of the lack of fact, **legislators are hampered in their ability to make an informed decision about the appropriateness or magnitude of agencies' requests for funding to build or buy a system.**

The legislative charge to the MN Office of Technology is to review and report to the governor and the legislature on the status of all currently established state agency and intergovernmental information and communications systems that use state funding. With this effort, the state is undertaking the first step in accumulating comprehensive data about the state's Information Technology (IT) investments. The result is the most comprehensive inventory to date of state computer systems. Information provided from 118 organizations identified 963 separate information and communication systems. Each system is identified by purpose and status, whether operational or scheduled for enhancement or retirement.

This data provides an initial look at the systems and applications state agencies use to perform business functions. **With additional information concerning expenditures and performance – coupled with adequate planning and information resource management practices – the state can begin to make more informed, and therefore appropriate decisions about its investment in technology."**

The Office of Technology believes that the intent of M.S. 16E.04, Subd 2(g) is for the Office to assist state agencies and the legislature in maximizing technology investments across the enterprise. **To this end, the Office of Technology serves a vital role developing operational and technical frameworks that are used to manage the enterprise's collective resources.**

Institutionalizing Planning and Management practices

Since 1997, several planning and information resource management practices were institutionalized - providing the legislature with much more information concerning technology investments than ever before.

The majority of this report will illustrate how the Office of Technology has been assisting agencies and the legislature in making technology investment decisions. For reference purposes, a Year 2000 Systems Inventory is also included in Appendix B of this document. This year, over 1,300 information and communication systems were reported by more than 100 state agencies in response to the Office of Technology's request for an updated systems inventory. Combined with SIRMPs and agency budget

December 15, 2000

requests, this data provides the Office with valuable information for recommending technology investments to the legislature.

STATE AGENCY BUDGET MANAGEMENT

The Minnesota Office of Technology (OT) is statutorily charged with reviewing information systems budget proposals and with establishing a methodology and review criteria for evaluating proposals. The purpose of the review is to assist the governor and the legislature in prioritizing requests concerning IT investment strategies.

M.S. 16E.01, Subd.3 Duties. The OT shall...

(2) review state agency and intergovernmental information and communications systems development efforts involving state or intergovernmental funding, provide information to the legislature regarding projects reviewed, and recommend projects for inclusion in the governor's budget under section 16A.11;

OT is responsible for a wide range of budget and contract management activities that are used to make sound enterprise-wide investment decisions. Core activities associated with contract and budget management include:

- manage the review and approval of IT Requests for Proposal (RFP) and Statements of Work (SOW)
- review agency technology budget requests and make recommendations to the governor and legislature about which investments to pursue
- state IT contract management
- coordinate and review state agency IT Strategic Information Resource Management Plans (SIRMP's).

STRATEGIC INFORMATION RESOURCE MANAGEMENT PLANS (SIRMP)

OT requires that agencies possess a Strategic Information Resource Management Plan before receiving funding for new technology initiatives. Agencies are required to complete their plans and submit them to OT, which is responsible for reviewing, prioritizing, and recommending funding. SIRMPs are to be updated at least every two years.

This year, OT received over 60 SIRMPs from agencies which exceeded optimistic expectations by over 100 percent.

The SIRMP is not a bureaucratic requirement that agencies need to jump through to get funding. SIRMPs compel agencies to align technology projects (realization projects) with agency goals through a business plan that links to Big Plan initiatives. OT recognizes that aligning business process with available technologies allows agencies to make the most out of technology investments. Instead of automating business "the way it's always been done", agencies must consider how technology enables them to improve business processes, deliver service to citizens, and facilitate easier business transactions.

SIRMPs assist OT and the legislature in making enterprise decisions about which projects to pursue given funding constraints. SIRMPs provide decision makers with a context for evaluating budget requests and for making tough decisions about which investments provide the state with the greatest value.

December 15, 2000

AGENCY IT BUDGET REVIEWS

Another core function of OT is to review agency IT investment initiatives and to make recommendations to the governor and the legislature about which investments to pursue.

To this end, OT developed tools to assist in the review of agency requests for funding of technology initiatives. These tools provide standard measures of the completeness of the agency's plans for IT investments. Agencies that submit technology requests need to address technology critical success factors and state of Minnesota business drivers – just to make it though the first phase of evaluation.

Realization projects (which are simply implementation plans aimed at realizing strategic business objectives) are the key to accomplishing enterprise-wide objectives, therefore, it is critically important to align technology investments with those objectives. In an effort to achieve greater collaboration among individual projects, four major business drivers were incorporated into the budget review process this year.

Business drivers provide a foundation for funding. This means that agency projects - and their relative value – were evaluated in the context of enterprise business initiatives. The following drivers represent the direction that state government is taking in IT investments:

Statewide and Community-wide collaborative efforts – these projects involve most state agencies or significant local government involvement (for example statewide telecommunications reform or criminal justice data community projects), or otherwise aggregate agency communication and technology service needs with those of the communities throughout Minnesota in which they conduct activities.

The Big Plan – the projects identified in the Governor's big plan that require funding for the project to be completed and implemented, including but not limited to the Big plan initiatives entitled "Electronic Government Services" and "Assuring an Information Highway that Leaves No Community Excluded."

Electronic Government Services (EGS) – these initiatives provide/enhance citizen access to government services electronically from remote locations

Infrastructure – these initiatives maintain and replace existing infrastructure – initiatives that provide new technologies to assist citizen's access to government services; or assure that infrastructure is being made available for remote access from or through Greater Minnesota for government of other purposes; or promote the rapid deployment of technologies with advanced telecommunications capability, such as data speeds in excess of 256 kbps throughout Greater Minnesota; or promote enterprise-wide connectivity with other agency networks or community-based networks.

This year, OT reviewed approximately 100 IT project budget requests valued at over $190 million. Through the use of tools, evaluation techniques and the application of budget constraint directives, the OT recommended that 62 initiatives representing some $117 million be presented to the Governor for consideration in his budget submission to the legislature.

ENTERPRISE FOCUS

Beyond the primary objective of aligning agency technology investments with the enterprise and basic budgetary oversight, the Office uses the budget process and agency SIRMPs to further additional enterprise objectives, including:

December 15, 2000

Procurement Policy and Design - as part of the budget review process, the Office looks for opportunities to aggregate hardware and software purchases across all agencies. Proper aggregation will substantially reduce the cost of those purchases through volume discount buying. One estimate projects that the enterprise could potentially save up to $1.2 million between January and June 2001 through volume discounts if (1) desktop configurations could be narrowed to a predefined set, and (2) a vendor agreement could be reached.

Standardization - as the enterprise continues to discuss the benefits of standards and a common technology framework, the Office will look for opportunities to standardize hardware and software purchases (desktops, tools, training and methodology) to the greatest extent possible so that the benefits of a common architecture are realized.

Enterprise Architecture – An IT architecture provides the technical foundation for an efficient IT strategy. Specifically an IT architecture defines the components or building blocks that make up the overall information system. It provides a blueprint from which systems can be developed and maintained that work together.

ENTERPRISE ARCHITECTURE

An Information Technology Architecture (ITA) is a strategic framework that guides both the **design and implementation** of enterprise information services. An ITA links technical solutions to the enterprise's business requirements in two ways. First, business requirements drive technology through top-down planning and analysis. Second, bottom-up analysis identifies emerging technologies that can further business goals and objectives.

Information Technology Architecture **emphasizes commonality, interoperability, and a significant reduction in the prevalence of stovepipe, stand-alone solutions in favor of an integrated suite of business applications sharing a common data environment**. The state of Minnesota ITA will be accomplished through the adoption and implementation of Information Technology Architecture guiding principles and standards that guide technology decisions and IT procurements.

An Information Technology Architecture focuses on:

secure, reliable, global networking that provides "any-to-any" communication around the world
sophisticated tools and systems for knowledge management geared to key enterprise objectives
exploitation of the Internet, world wide web and other technologies to make information accessible to authorized users when and where they need it
consolidated information management to reduce cost and increase information reliability and accessibility
integrated management of the IT network, systems, and applications to enhance efficiency and reliability
increasing security control over vital corporate information through a more modern security infrastructure, application of "thin clients," and other techniques.

An ITA contains the following architectural layers:
- *Business* -- a model defining current and future enterprise mission, objectives, and business functions in a way that supports identification of information technology solutions.

- *Technical* -- consisting of the following three architectural layers:

December 15, 2000

o   **Information** - providing guidelines on the standardization, modeling, ownership, location, distribution, and access to enterprise information

o   **Applications** - describing the environment in which applications will operate, requirements and conventions to which applications must conform, and services that application developers can expect from the infrastructure

o   **Infrastructure** - describing the network and hardware and system software platforms upon which the IT infrastructure will be based

Additionally, *architecture segments* (segments that cut across the entire technology layer), are developed to address high priority, dynamic technology issues that are vital to state of Minnesota requirements. The architectural segments address such items as the requirements to protect information and system assets (Security), enable network fault management, improved IT configuration management, asset tool procurement, (Enterprise Network Management), and replace existing cable and email systems (Information Exchange). Additional segments will be added as new requirements are identified and analyzed.

The Year 2000 Systems Inventory (see appendix) will help guide ITA planning by allowing the Office of Technology to **identify** widespread business system functionality **and integrate** that targeted functionality into an enterprise Information Technology Architecture. For example, several initiatives – licensing or otherwise – may indicate the need for processing secure financial transactions. **The inventory provides a mechanism for identifying duplicative initiatives that should benefit from a reusable component-based architecture, and provides valuable information for coordinating and communicating opportunities between agencies.**

The inventory is an instrument that assists in the discovery of:

*   common business functionality that should benefit from aggregation
*   business functions that require the most immediate attention (demand-based)
*   previous technology investments that were developed by, or for, a specific agency which can be leveraged as part of the ITA and ported to other agencies for a fraction of the cost
*   "quick hit" opportunities (reasonably low-cost opportunities that can be capitalized on quickly)
*   EGS initiatives that can benefit from common components (payment engine, security, etc)

An architecture is a prudent management tool that will help ensure that IT is responsive to State business requirements. It will help the enterprise achieve technology goals and objectives cost-effectively by providing the basis for enterprise-wide coordination of IT activities, and a set of standards and common technical services that will foster interoperability and information sharing, while lowering total cost of ownership. In particular, the architecture will promote such benefits as broad access to information, efficient re-use of IT components and solutions, and effective state management of IT support.

ELECTRONIC GOVERNMENT SERVICES (EGS)

The Big Plan EGS Description
"Electronic commerce over the Internet is a centerpiece of the global information revolution. Because citizens are going online at an ever-increasing rate, electronic commerce is at once global, national and local in both scope and impact. Electronic tax filing, and payroll communications, also will be conducted

December 15, 2000

online. Such initiatives will increase government efficiency, provide for a comprehensive and coordinated information management system, and create avenues for citizen communication and participation with their government ... These initiatives will also be utilized to increase service levels, and speed up transactions across state government, while permitting both government and business to maintain a level playing field in commercial transactions."

- The Big Plan

EGS Collaborative Planning Committee Formed

The *EGS Collaborative Planning Committee* was formed to formalize the approach to EGS delivery. The Committee's charge is to identify and sponsor the implementation of policies and technical infrastructure that enable agencies to deliver services electronically consistent with business needs. Policies and technical infrastructure includes the development of data practices, records management, legislation, directory services, security, software/hardware, digital signature (certificates), authentication, encryption and secure financial transactions (SFT) to assist agencies in meeting common statutory requirements.

Membership - large, medium and small state agencies, and IPC, OT, ITG and IPA. OT will staff and support the committee.

Responsibilities
1. Inform the IPC and be the community voice for EGS
2. Direct, steer and coordinate the larger Community EGS Collaborative Committee
3. EGS Clearing House: Coordinate with other enterprise-wide EGS architecture and technology efforts; become aware of all EGS projects and encourage strategic alignment among agencies; leverage opportunities and resources; promote agency communication; overcome obstacles
4. Build and promote a Tool Box: Identify and prioritize the tools necessary to complete projects and make recommendations to IPC; recommend legislation, policy, standards, and guidelines
5. Identify, prioritize and decide upon projects for implementation and present to IPC: Provide direction and resources to agencies; project sponsor – may write and steer an initiative, guided by the project representative, and present that initiative for funding approval.

Outcomes and Goals
1. Enable/promote collaboration by agencies by offering a Tool Box full of solutions developed by agencies.
2. Sponsor projects by offering a Tool Box of solutions and direct practical collaboration efforts between agencies to deliver services electronically. All efforts will be project based.

Emerging Technology Management is vital to the success and proliferation of EGS and sound financial and technology management. **Common EGS infrastructure components, leveraged across the enterprise, will provide the state with enormous financial benefits**. Most importantly, a well designed statewide technology infrastructure will give Minnesota's citizenry any-time access to real government service and value.

NEXT STEPS

- The Office of Technology will continue to serve as an enterprise "Gate Keeper" regarding technology investments to maximize the states technology dollars

December 15, 2000

- The Office of Technology will aggressively move forward with Information Technology Architecture initiatives that provide the benefits of reuse, cost-effective maintenance, and extensibility

- The Office of Technology will continue identifying and developing collaborative efforts for delivery of electronic government services

- The Office of Technology will promote enterprise development and management through a proposed Technology Enterprise Fund, advised by a public/private Technology Enterprise Board, described in Appendix A to this report.
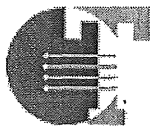
December 15, 2000

APPENDIX A: TECHNOLOGY ENTERPRISE FUND, TECHNOLOGY ENTERPRISE BOARD

Technology Enterprise Fund (TEF), part of a consolidated funding model; with the **Strategic Information Resource Management Plan** (SIRMP) and **Technology Enterprise Board** (TEB), provides foundation to prioritize, fund IT initiatives statewide. This proposal has the support of CIO's from across state government.[1]

PURPOSE

Fund three specific areas of needed technology development:
1. Enterprise, or interagency, capabilities for data exchange between government entities –
   Example: Middleware and web-based services and devices, standards, protocols; MAPS, SEMA4, North Star, CriMNet, IT architecture
2. Pilots, prototypes, projects for EGS, showing breakthrough improvements in government efficiency –
   Example: On-line secure voter registration, voting; e-procurement such as "reverse auctions"; Minnesota legal/administrative information archives; citizen electronic "listening post"; personal computer-based video conferencing; document imaging for higher education, health
3. Statewide telecommunications networks in remote locations, to enhance citizen access –
   Example: ATM high-speed switches in the MnNet network; CriMNet backbone; Learning Network II; combine state service and community need

NEED

1. "Enterprise" level IT funding does not occur; each entity purchases IT for individual mission needs, resulting in duplicate systems unable to network efficiently.
2. Funding once every two years cannot keep up with technology, or technology pricing, that changes monthly.
3. IT and telecom are among the most expensive, and most strategic, tools in government; they require a credible governance system that assures accountability and effectiveness. Legislative, SIRMP and TEB oversight works, based on statewide strategic plans.

REVENUE SOURCES

TEF derives funding from a continuing revenue stream, throughout the year –
- IT depreciation; Revenues from equipment, IT sales, and IT productivity savings
- Productivity loan funds via MSA §16B.86
- Annual carry forwards, budget roll-over
  - Revenues realized from savings via IT contract renegotiations
- Gifts, contributions, and grants
- Revenue bonds, transportation bonds, general fund appropriations

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[1] By unanimous resolution adopted September 21, 2000: "The Information Policy Council supports establishment of a technology enterprise fund to promote fundamental government change, citizen access and efficiency, with funding sources to be determined, for a period of five years, with oversight by a board representing government and industry, and appropriations as provided by law."
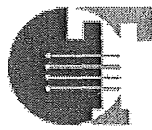
December 15, 2000

DISBURSEMENTS

Distribution made per statute, SIRMP rankings and TEB recommendations. Grants and loans pursuant to written agreements, in progress payments against specified productivity, efficiency and/or capacity goals, tracked by established benchmarks. Loans may be forgiven, in whole or in part, based upon performance. Quantifiable benchmarks focus on the following:

- Improve efficiency/productivity of government, or quality and efficient delivery of education;
- Establish statewide or inter-agency implementation (immediate or near future);
- Create jobs and strengthen business opportunities;
- Make communities safer;
- Maximize high-speed digital communications;
- Promote citizen satisfaction and access to EGS;
- Breakthrough improvements in business efficiency (process re-engineering), elimination of redundancies

APPENDIX B: YEAR 2000 SYSTEMS INVENTORY UPDATE

Year 2000 Systems Inventory

Academy of Sciences

System Name	Description	Status	Enhancement	Retirement	Comments

Agency Name   Academy of Sciences

System Name	Description	Status	Enhancement	Retirement	Comments
Client/Volunteer Database Clients, volunteers, events and schedules.	Volunteers, events and schedules.	Operational			
Accounting System	Account software	Operational			

Agency Name   Accountancy Board

System Name	Description	Status	Enhancement	Retirement	Comments
Board of Accountants	Used to maintain a database to license public accountants, track their professional education requirements, practice monitoring and administration of examination as well as ethical conduct and/or discipline.	Operational		1999	

Agency Name   Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
Parking and Payment		Operational			
Inspector	Contract inspectors for building inspections.	Operational			
Rates	Written in Access	Operational			
PrefabBldg	Prefabricated building manufacturers.	Operational			
Postage	Central Mail billing	Operational			
Savings Monitoring System		Operational			

Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
Pharm Database		Operational			
Manufacturer	Manufactured home manufacturers	Operational			
Mailing List Database	Mailing list for contacts	Operational			
Lease Management Database	Reporting tool for lease information, address of property, etc.	Operational			
Journal	Cash receipts and adjustments.	Operational			
ITG Software Inventory	Microsoft Access database of ITG software inventory. Written in SAS.	Operational			
Invoices	Access generated monthly customer invoices	Operational			
Installer	Manufactured home installers.	Operational			
PlanReview		Operational			
Vault	Microfilm storage tracking.	Operational			
Print Management	Enterprise32 – complete print mgmt software from order entry through invoicing	Operational	1999		
Computer Assisted Facilities Management	Maintenance, dispatching, inventory, and space management related to facilities	Operational	1999		
Work Order	Work orders for contract inspectors	Operational			
Voice Services Billing	Purchased software package from Telco Research	Retired		1998	
Voice Billing Services	Purchased software package from Telco Research and custom programming using ARS.	Operational	1999		

Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
Video billing	This is the same application as Data Billing	Operational	1997		
Records Center Inventory	Maintains the location of approximately 75,000 boxes of paper	Operational			
Vendor Document Distribution		Operational			
Geographic Coding System	Used for zip code, US Mail discount for state	Operational			
Tracker	Production job tracking	Operational			
Time Distribution Records		Operational			
The Automated Prospectus System	Program developed by Fred □ used by Real Estate Management to evaluate properties.	Operational			
Surcharge	Building permit surcharges.	Operational			
Storeroom Inventory		Operational			
Statewide Building Access Database	ADA building barriers list.	Operational			
Shipping & Manifest System		Operational			
Vendor Manager Expert System		Operational			
BldgPermit		Operational			
Computer Billing Application	This application uses Quattro Pro, MICS and SAS	Operational			
Complaint	Manufactured Structures Complaint System	Operational			

Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
COD Training Data Base		Operational			
Client Data	Client demographic data	Operational			
Ccenter	Billing, Invoicing and Accounts Receivables for Printing Services' Copy Centers	Operational			
HudPay	Payments from HUD for manufactured homes entering Minnesota.	Operational			
Budgets	Written in Access	Operational			
Customer Database (CFU)	Database of customers served.	Operational			
BldgOfficial		Operational			
Billing/Invoicing	Billing program for Printing Services'Copy Centers	Operational			
Billing in house programs	These are in□house conversion programs.	Operational	1998		
Badge Inventory		Operational			
ALP Training Database		Operational			
Address		Operational			
Capacity Forecasting	DASD/TAPE forecasting	Operational			
Email Billing System	EMC2, SAS and Text Management usage billing	Operational	1999		
GeoUnit		Operational			

Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
Service Level Agreement Rpt	Reports in support of ITG service level agreements.	Operational			
Forecast History	Written in SAS, ITG performance reports on CPU utilization, etc.	Operational			
FANS - Fixed Asset Network System	A fixed asset system distributed by Fiscal Services in Admin.	Operational			
Facilities Audit Facilities Audit		Operational			
Environmental & Security System		Operational	1998		
Contracts Database		Operational			
Employee		Operational			
CPV Database		Operational			
Elevator Complaint		Operational			
Elev Permit		Operational			
Document Management System		Operational			
Dealer		Operational			
Data billing	Written in Access	Operational	1997		
Financial Reporting System	Revenue/Expense reporting for management	operational	2000		

Administration Department

System Name	Description	Status	Enhancement	Retirement	Comments
Energy Management System		Operational			
RExx code - procedures		Operational			

Agency Name   Administrative Hearings

System Name	Description	Status	Enhancement	Retirement	Comments
TimeMatters	Ad Law Section case management and scheduling	Development	2001		New Case Management System
Microsoft Office97 Suite	Word processing, spreadsheet.	Operational	2002		Adequate at this time
Network	5 LANS providing network connections within and to OAH offices in Minneapolis, St. Paul, Duluth, and Detroit Lakes and to staff working in other locations. 140 Workstations, 5 file servers, NetWare software, routers and hubs, printers, remote access servers, related equipment and software.	Operational			Replace 50 workstations in Mpls 1/01. Move Mpls office and St Paul office to new St Paul office 2001
WC Deskbook	Legal research. Browser based resource of WC law and cases.	Operational			
Juris Law Office Management Software	Ad Law Section invoicing and reporting.	Operational		2001	Replace by TimeSlips
WC CSMS	Workers Comp Section Case Scheduling and Management System, integration with Dept of Labor and Industry WC document management system of WC file images and data	Development	2001		New application developed by DOLI for OAH, fixes and enhancements are expected over next few years.
ISYS	Legal research. Full text search of OAH decisions.	Operational			
WestPremise	Legal research. Full text search of Court Decisions	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Hearing room access	Connect judges, attorneys and hearing participants to OAH information and internet during hearings	Operational	2001		6 hearing room wired for judge access.
Web page	Public access to scheduling and case information	Operational			On going
Access 97	Ad Law Section scheduling	Operational		2000	Replace by TimeMatters

Agency Name   Agriculture Department

System Name	Description	Status	Enhancement	Retirement	Comments
Food Ins - compl Resume		Retired			
Food Ins - compl Plan Review	State plan review data.	Retired		2000	Replaced by department wide Licensing Information System (LIS).
Food Ins - compl Egg	Egg handler tracking.	Operational			
Food - Food Borne	Tracks complaints of food borne illness.	Operational			
Fert	Fertilizer Sample Tracking	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Feed	Feed Sample Tracking	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Farm Security	Farm Loan Tracking	Operational		2002	
Farm Advocates	Assistance data.	Operational	2000		
Farm Advocate	Tracks activities of farm advocates who are working with clients and attempting to resolve the problems that farmers are having.	Operational			

Agriculture Department

System Name	Description	Status	Enhancement	Retirement	Comments
Department Asset Tracking	Identifies state assets	Operational			
Dairy Trade	Dairy Pricing Software	Operational Operation ~l	1998		
Dairy	Dairy Inspection, etc.	Operational	1998	2001	Replaced by department wide Compliance Information System (CIS).
Apiary	Tracks bees, bee hives, hive owners, hive locations and inspections. Data kept for historical reference.	Retired		2000	Replaced by department wide Licensing Information System (LIS).
County Fair	County Fair Vendor Tracking	Operational			
Cost Accounting	Time & attendance, cost tracking	Operational			
ADaMS - Agronomy Data Management System	Tracks inspections, investigations, permits, companies licensed and locations of all sites that are tied to a single license. Data kept for 10 years.	Operational		2001	Replaced by department wide Compliance Information System (CIS).
Admin Assets	Inventory Control - in house	Operational			
Food inspection - Resume	Inspectors Monthly Accomplishments	Retired			
Ag BMP	Ag Loans	Operational			
AgFin Loans	Accounting Software - vendor other than MDA	Operational			
AGRILIC	Licensing Software	Retired	1998	2000	Replaced by department wide Licensing Information System (LIS).
Animal Damage Control	Tracks wolf damage.	Operational			
Corporate Farm System	Ensures compliance with Corporate Farm laws.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Comm - Mailing	Mailing lists	Operational			
Cashiers	Accounting Software - in house cash deposit system	Retired		2000	Replaced by department wide Licensing Information System (LIS).
APPD Cost Accounting	Tracks employee expenses per project.	Operational			
Dairy Drug Screening	Trades results	Operational	2000		
Private Applicators	Private Pesticide Applicator data	Operational			
MN Grown	Tracks MN Grown Companies (TRADIRS)	Operational			
MNPIRS	MN Pesticide Inspection	Retired		2000	Replaced by department wide Licensing Information System (LIS).
Food Inspection - Complaint Desk	Complaint Desk Call Tracking	Operational			
Personnel	Employee list.	Operational			
Food Ins - compliance	Tracks inspection data.	Operational		2002	Replaced by department wide Compliance Information System (CIS).
Media	Media lists	Operational			
Phytosanitary	Phytosanitary Certification Software	Operational			
Nursery	Plant Nursery Tracking & Inspection	Retired		2000	Replaced by department wide Licensing Information System (LIS).
Residue	Residue Sample Tracking	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).

Agriculture Department

System Name	Description	Status	Enhancement	Retirement	Comments
Risk Management	Allows public access to information.	Operational			
Seed Inspection	Tracks seed and weed samples. Data kept for 7 years☐ Installed on network server, run on IBM machines.	Operational		2001	Replaced by department wide Compliance Information System (CIS).
Seed Lab	Seed Lab Results Tracking	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Service Request	Tracks Service Requests for Information Services.	Operational			
Sustainable Ag Loan	Loan Tracking Software	Operational			
PestMN/Spest/Bio	Pest Field Study	Operational	2000		
Help Desk		Operational			
Grain Certification	Tracks Certification	Operational	1998	2000	Replaced by department wide Licensing Information System (LIS).
Grain Warehouse	Warehouse Inspection Software	Retired	1998	2000	Replaced by department wide Licensing Information System (LIS).
MAX – Minnesota Agricultural eXchange	Helps businesses get in touch with Minnesota food producers.	Operational			
Lab - Sampling	Tracks Samples through the Lab	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Lab Purchasing	Special purchases (FileMaker Pro)	Operational			
Licensing Information System	Tracks 85 license types.	Operational			

Agriculture Department

System Name	Description	Status	Enhancement	Retirement	Comments
Marketing - Tags	Makes Tags	Operational			
Lime Tonnage Reporting	Posts results.	Operational	2000		
LIMS	Dairy	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Livestock Price Reporting	Daily prices of hogs & cattle.	Operational			
Manure Testing	Certifies labs.	Operational			
Lime	Lime Sample Tracking	Operational		2001	Replaced by department wide Laboratory Information Management System (LIMS).
Grain Inspection	Field Inspection System from ☐ from outside vendor. (IBS)	Operational		2001	

Agency Name　　Amateur Sports Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Graphic design systems	Production of promotional materials, programs, and other printed materials.	Operational			
Website design and editing systems	In-house creation and editing of websites	Operational			
Facility scheduling systems	Facility reservations, invoicing, staff administration	Operational			
E-mail	Internal and external e-mail communication	Operational			
Staff support and operations	Routine software to support on-going staff functions in writing, spreadsheets, preparation of presentations, etc.	Operational			

Amateur Sports Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Financial and accounting systems	Financial management, accounting, etc.	Operational			
CuServ Database	Database of existing and potential clients.	Operational			
Tournament Administration Systems	Registration, administration, scheduling, and score reporting for various types of tournaments	Operational			

Agency Name   American Legion

Agency reported it receives no state funding		Operational			

Agency Name   Animal Health Board

System Name	Description	Status	Enhancement	Retirement	Comments
Rabies Control System	Database used to track reported cases of rabies.	Operational			
Gneric List Processor	Database used to track licensed veterinarians in the State of MINI	Operational			
Poultry Control System	Database used to track diseases in poultry	Operational			
Export / Import System	Database used in tracking the interstate movement of animals	Operational			
Import Permit System	Database used to track animals moved to Minnesota from other states	Operational			

Agency Name   Architecture, Engineering Board

System Name	Description	Status	Enhancement	Retirement	Comments
SofTalk	Licensing and Examination database	Retired		1997	

Agency Name   Arts Board

Arts Board

System Name	Description	Status	Enhancement	Retirement	Comments
eGrant	Online grant application system		2000		
Grants / Selection	Information Systems	Operational	2000		Migrated to Access 2000 customized database from ver 2.0.

Agency Name   Asian-Pacific Minnesotans Council

System Name	Description	Status	Enhancement	Retirement	Comments
Mailing List	Community organizations directory mailing list	Operational			

Agency Name   Assessor's Board

System Name	Description	Status	Enhancement	Retirement	Comments
Assessor Database	Assessor education and licensing database	Operational			

Agency Name   Attorney General

System Name	Description	Status	Enhancement	Retirement	Comments
Charities	Charitable Organizations Contact Management system.	Operational	2000		SQL Server & connected to Web
Employee Information	Employee tracking database linking to IA Warehouse to print phone lists and provide all necessary information about office empoloyees	Development			SQL Server
Consumer Education Bulk E-Mailer	Database that sends consumer education messages to a list of E-Mail addresses.	Operational			Access 97
CrimBrief	Criminal Brief☐Bank database.	Operational	2000		Access 97 upgrade
Consumer Services	Tracks complaint forms sent to the consumer division. Imaging capability allows the forms to be scanned and read online by a mediator	Operational			Access 97
Consumer Restitution	Case Restitution Database that prints checks for settled cases	Operational			Access 97

Attorney General

System Name	Description	Status	Enhancement	Retirement	Comments
Criminal	Database to track cases, investigations, appeals, insurance companies and witnesses.	Operational			Access 97
Consumer	Consumer Education Brochure/Leaflet inventory database.	Operational	1999		SQL Server
Condritor	Anti☐Metal Shredder database.	Retired		1999	
EPD Case List	Environmental Protection case reporting database	Development			Access 97
Citizen Inquiries	Database to track citizen letters and phone calls to the Attorney General	Operational			Access 97
Medicaid Fraud	Quarterly statistics reporting database	Operational			Access 97
Capitol American	Document tracking database for the capitol american case	Operational			Access 97
BusReg	Business Regulation Document Tracking database.	Operational			Access 97
Asbestos Database	Health division database to track documents related to an investigation of asbsetos use in MN	Operational			Access 97
Club Contract	Consumer Enforcement database to track club contracts.	Operational			Access 97
PubSafe	Public Safety/implied Consent database.	Operational	1999		Access 97 upgrade
Air Quality	EPD Air Quality Database.	Operational		1999	
AGODEX	Enterprise☐wide Contact Managementsystem. SQL Server/Access. Including E☐Mail and scheduling.	Retired		1999	

System Name	Description	Status	Enhancement	Retirement	Comments
WeednSeed	Weed and Seed program, crime statistics/contact management database.	Retired		1999	
Tort Claims	Tort division claims database.	Operational	1999		Access 97 upgrade
T&BS	Time and Billing Module. SQL Server database, Access front end.	Operational	1998		Access 97 upgrade
Lawsuit Assurances	Keeps track of receivables and judgements in consumer lawsuit cases	Operational			Access 97
RUD	Residential utilities card catalog, file management. Tracks daily mail, index pleadings and research files.	Operational	2000		Access 97 upgrade
Health Licence	Health and licensing investigations database.	Operational	1999		Access 97 upgrade
PubFin	Public Finance Schools/Colleges database.	Operational			Access 2.0
PC Docs	Document management database handles all the office's document work product	Operational			SQL Server
Medical	Bate Stamp document manager for medical trials.	Operational			
Long Term Care	Tracks Long term care faclity cases Database	Operational	2000		Access 97
Landfill	Landfill cleanup and recovery project management database for Environmental Protection and Pollution Control.	Operational			Access 2.0
Human Services	Database to track all human services cases	Operational			Access 97
Small boards	Tracks cases involving small boards such as the barber examiners	Operational			Access 97
Antitrust Database	Case Tracking Database	Operational			Access 97

System Name	Description	Status	Enhancement	Retirement	Comments

Agency Name   Barber Board

Agency reported it has no systems		Operational			

Agency Name   Black Minnesotans Council

Agency reported it has no systems					

Agency Name   Boxing Board

Agency reported it has no systems					

Agency Name   Camp/Finance Disclose Board

System Name	Description	Status	Enhancement	Retirement	Comments
Worldwide Web Site	Worldwide web site resident on Northstar Major FY System to support educational and public 2000 Ongoing disclosure responsibilities of agency.	Operational	2000		Web site currently displays information in a static HTML format. A Board goal is to develop interative web applications that will support searches of agency databases.
Candidate Disclosure and Enforcement System	Microsoft access database application to support enforcement of regulations and disclosure requirements applicable to candidates and to provide public access to filed data.	Operational	1999	2001	Will be replaced with enhanced 32 bit application. Contractor for development of new software has has been selected. Project completion date is no later than July 1, 2001.
Economic Interest Disclosure & Enforcement System	Microsoft Access Database application to support enforcement of disclosurerequirements applicable to officials and to provide public access to filed data.	Operational	1998		No change.

Camp/Finance Disclose Board

System Name	Description	Status	Enhancement	Retirement	Comments
Disclosure & Lobbyist Disclosure &Enforcement System	Microsoft Access Database application to support enforcement of disclosure requirements applicable to lobbyists and principals and to provide public access to filed data.	Operational	1999		Public access PC for database activated in Board offices in August of 2000.
Political Committee &Fund Disclosure Enforcement System	Microsoft Access Database application to &support enforcement of regulations and disclosure requirements applicable to political committees and funds & provide public access to filed data.	Operational	1999		No change.

Agency Name   Capitol Area Architecture Board

Agency reported it has no systems

Agency Name   Center for Arts Education

GroupWise	Email, calendaring, task management system	Operational	1999		Replaced previous email system.
NCSA HTTPD	Web server	Retired		1999	Replaced with new web server.
Apache	Web Server	Operational	1999		Replaced previous web server.
Fast Track Scheduler	Project management system	Operational	2000		Administrative and programs project management system.
QuickMail	Email system	Retired		1999	Replaced with newer, more functional group ware email, calendaring and taks management system.
GradeQuick	Course management System	Operational	1999		Individual course management system for faculty.

Center for Arts Education

System Name	Description	Status	Enhancement	Retirement	Comments
4D Server	Client/Server databases supporting student, resource and image information systems, contract logs, and summer arts course catalog.	Operational			Databases enhancements are ongoing.
Meeting Maker	Calendar and scheduling system for meeting resources.	Operational			

Agency Name   Children, Families & Learning

micro/datadict	Maintains the data dictionary for all systems	Operational			
issde	Majority of all database compilation resides here.	Operational			
fiscal	Used to record federal grant awards to local LEA's	Operational		1997	
dads	Replace with Micro/Datadict.	Retired			
ideas	Processes state aid payments to school districts using formulas provided by the legislature.	Operational			
micro/dpsr	Data processing services request system.	Retired		1998	
micro/dvp	Micro system for fiscal grant award system.	Operational			
micro/fees	Fee collections and reporting system for fiscal services section.	Operational			
micro/fisc	Micro fiscal services letter of credit system.	Operational			
itembank		Retired			
micro/cert	Maintains child nutrition certification system.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
micro/foxuser	Maintains micro system security features.	Operational			
micro/honor	Fiscal services honorarium system.	Operational			
micro/levy	Electronic collection of levy data elements.	Operational			
micro/form	Micro system for forms design and data acquisition.	Operational			
CCD	CCD □ Provides data sent to the Department of Education National Center for Education Statistics.	Operational			
VOCAID	Calculates state entitlements for school district vocational handicapped aid	Operational			
Assess	Used to score and report achievement test results.	Retired		1998	
commodity	Orders, allocates, and distributes USDA commodities to school districts and other program recipients within the state	Operational			New web-enabled system developed with KPMG
Census	Collects data on a number of 0□20 year olds in each schools district.	Operational			
Chapterl	Designed to facilitate payment of federal aid	Operational			
child	Assists in distributing state and federal funds to school districts, private schools, etc., which	Retired		1999	New web-enabled system developed with KPMG
micro/bot	Records Board of Teaching complaints.	Operational			
childcount	Produces the annual count of handicapped children receiving special education services from Minnesota Public Schools.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
lep	Was converted into the Sped system.	Retired			
childnut	Maintains application information for school lunch program.	Operational			New web-enabled system developed with KPMG
micro/nwsys	Electronic recording and reporting of help line trouble calls.	Operational			
micro/award	New micro fiscal grant award system.	Operational			
micro/audio	Audio visual inventory system.	Operational			
mdemarrs	Collects detailed data on public school students to supply information to several application systems such as Levy, Mincris, etc.	Operational			
levy	Calculates school district property tax levies based on property value and assessment data.	Operational			
childcare	Used to reimburse public and private daycare centers, family daycare homes and adult daycare.	Operational			New web-enabled system developed with KPMG
TREXIN	Calculates school district training and experience index based on data from teacher employment data. Results are input to the general education aid formula	Operational			
ged	Records test scores of people passing GED tests, produces a certificate and also transcripts.	Operational			
micro/phone	Electronic telephone management system.	Operational			
ABE	Calculated State and Federal adult basic education aids	Operational			

Children, Families & Learning

System Name	Description	Status	Enhancement	Retirement	Comments
PAYS	Processes Federal Aid payments to public and private schools, communities and private educational facilities using formulas provided by congress.	Operational			
vtifin		Retired			
utac		Retired			
transport	Summarizes the number of students transported, number of gallons of gasoline and mileage by school district.	Operational			
TMATRIX	Summarization of teacher license/employment/assignment data to provide flexible reporting in this area.	Operational			
GENED	Calculates state entitlements for school district general education aid (approximately 4 billion dollars per year)	Operational			
COMED	Calculates state entitlements for scholl district community educational aid	Operational			
CAPEXP	Calculates state entitlements for school district health and safety, and interactive television aids	Operational			
ABATE	Calculates state entitlements of school districts based on amount of school taxes abated during previous fiscal year	Operational			
stateaids	A collection of 10 different systems that calculate school districts' state entitlements.	Operational			
stars	Collects teacher employment and assignment data.	Operational			
micro/requist	Maintains inventory for purchasing of equipment.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
nonpub	Collects data to process and obtain counts of students, staff and graduates of Minnesota nonpublic schools.	Operational			
openenroll	The post secondary enrollment options act enables students to enroll in nonsectarian courses or programs for school credit without cost to the student.	Operational			
orgunit	Maintains current geo☐political data on school districts, school buildings, regional computing centers, and other educational organizations.	Operational			
pupil	Replaced with MDEMARRS system	Retired			
sdefin	Financial data on school districts in UFARS format.	Operational			
staff	Establishes, maintains, updates licensing data on teachers and other professional education staff.	Operational			
second	Collects, edits and processes staff, budget,and cost data for vocational programs in secondary schools.	Operational			
sfsp	Used to reimburse schools, governmental agencies and summer camps for food provided to children.	Operational			New web-enabled system developed with KPMG
simideas	Same as IDEAS systems, generates data and Operational reports to the legislature on "what if" situations.	Operational			
LABEL	Produces labels for superintendent, principal, teachers, etc.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
skippy	Provides information about resident and nonresident students. Used in calculating various aid payment systems.	Operational			
PROFILES	Produces report from many systems to show a profile of each school district	Operational			
sped	Calculates state and federal special education aids.	Operational			
mincris	Secures data from each school district to monitor compliance within state and federal law prohibiting discrimination in education/ employment.	Operational			

Agency Name   Chiropractic Examiners Board

System Name	Description	Status	Enhancement	Retirement	Comments
Alpha 4	Continuing education seminar tracking system ☐ chiropractors	Operational	1998	1999	
Enforcer	Disciplinary tracking system ☐ chiropractors	Operational	1998	1999	
LDS	License Manager System Licensing system ☐ chiropractors	Operational	1998		Subject of Grant from OT.

Agency Name   Client Security Board

System Name	Description	Status	Enhancement	Retirement	Comments
Client Security Board Database	Tracks claims received and claims paid out for Client Security Board.	Operational			Built by Macro Group

Agency Name   Commerce Department

System Name	Description	Status	Enhancement	Retirement	Comments
FDIC Examiners software	Software provided by Federal regulators to facilitate standard audits of banks nationally. Not maintained by the department; maintained by the FDIC.	Operational			

Commerce Department

System Name	Description	Status	Enhancement	Retirement	Comments
Insurance	Set of applications which tracks workflow activities, billings, and manages industry financial data for Desk Audit Unit.	Operational			
Licensing	Application which tracks licensing status for a number of industries. Generates renewal notices and licenses.	Operational			
Loan Wizard	Application developed by Financial Examinations division cooperatively with Modern Computer Systems Inc. Not maintained directly by the department. Used to analyze bank loan data.	Development			
Petrofund	Tracks site cleanup applications and related parties.	Operational		2005	
Policy Analysis	Tracks Insurance applicant filings for Policy Analysis division.	Operational			
Receipting	Facilitates data entry of cash receipts.	Operational			
Registration	Application which tracks registration status and data for a number of regulated industries.	Operational			
Self Insurance	Tracks licensing status and industry data for Self Insurance unit.	Operational			
Survey Manager	Analysis tool for department surveys.	Operational			
Unclaimed Property	Tracks Property given to the state as unclaimed property.	Operational			
UP database	Oracle 7.3 datasource for a number of applications.	Operational	2000		
Asset Manager	Defines departmental assets, their status, and location. Used as data source for FANS process.	Operational	1998		

Commerce Department

System Name	Description	Status	Enhancement	Retirement	Comments
Enforcement	Supports functions of Enforcement division. Tracks investigation data.	Operational			
Email	Currently Microsoft Mail 3.2, supports intra☐agency and Internet email communications.	Operational	1998		
EIS database	Oracle 7.3 clatasource for a number of applications.	Operational	2000		
Commerce Network	Network infrastructure, supports all divisions.	Operational	1998		
EAS	Organizes Insurance annual filing data.	Operational	1998		
Desktop Suite Applications	Word Processor, etc., supports division communication and work.	Operational	1998		
Credit Examiners software	Additional credit union audit software. Developed infernally.	Operational		1999	
Banking	Supports functions of Financial Examinations division.	Operational			
AppointPak	Application to provide insurance company appiontment data electronically to the appointment data electronically to the department, in addition to its provision on paper. Currently in joint development with Pictorial, Inc.	Development			
AIRES	Software provided by federal regulators to facilitate standard audits of credit unions nationally. Not maintained by the department; maintained by NCUA.	Operational	1999		

Agency Name   Continuing Legal Education Board

System Name	Description	Status	Enhancement	Retirement	Comments
Attorney CLE Database	Dataflex custom software.	Operational	1998	2005	

System Name	Description	Status	Enhancement	Retirement	Comments

Agency Name   Corrections Department

System Name	Description	Status	Enhancement	Retirement	Comments
Statewide Supervision System (SSS)	Allows criminal justice agencies electronic access to offender information regarding who they are, when and where they have been on probation, detention, imprisoned or jailed.	Operational			WEB – Parts are operational.
Victims	Tracks victims data; domestic abuse cases, etc.	Operational			Moved to DPS
Sentence To Service (STS)	Tracks inmates in the Sentence to Service program.	Operational			WEB
Sex Offender Tracking System (SOTS)	Tracks and collects data for Sex Offenders.	Operational			
Open Systems Accounting System -(OSAS)	Accounting systems for the Prison Industries (MinnCORR) and facilities use this system for Comsumable Inventory Tracking.	Operational			
CIP - Phase 2	Tracks inmates in the CIP program.	Operational			
Inmate Education	Tracks inmates in educational programs.	Operational			Will be intregrated into COMS.
Inmate Property	Tracks personal property for inmates.	Operational			Will be intregrated into COMS.
Pharmacy	Tracks prescriptions for incarcerated offenders.	Operational			Will be intregrated into COMS.
Detention Information System	Tracks jail time for county jails/lockups.	Operational			Intregrated into SSS
Workload Mgmt. System	Track cases on probation and parole.	Retirement		2001	Moving to Court Service Tracking System (CSTS).
Inmate Accounting (ITAG)	Inmate Accounting System – tracks accounting for inmate funds and provides payroll.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Work Release	Tracks inmates in the work release program.	Operational			
Corrections Mgmt. Info. System (COMS)	Correctional Operational Management System □ tracks inmates in institutions.	Operational			
Interstate Probation & Parole	Tracks inmates on probation on parole under the interstate compact.	Operational			

Agency Name   Dentistry Board

Licensing System	Licensing of dentists	Operational	1998		

Agency Name   Dietetics & Nutrition Practice Board

Licensing System	Licensee tracking.	Operational			
Licensing System	Under development	Operational			

Agency Name   Disability Council

Agency reported it has no systems

Agency Name   Economic Security Department

Profiling – UI Benefits	UPR □ Unemployment Insurance Benefits – Determines individuals most apt to be unemployed for extended period of time to enable special services to them.	Operational	2001		Will be enhanced to provide better linkages to WINS.
Experience Rating - Tax	UER - Yearly calculation of employer tax rates based on Unemployment Insurance benefit payments to former employees.	Operational			

Economic Security Department

System Name	Description	Status	Enhancement	Retirement	Comments
Reports Processing - Tax	URP - Generates and accounts for employer's quarterly UI Tax reports.	Operational			
MNWIS	MN Workforce (Labor Market) Information System	Retired		1999	No longer needed.
Mail System - Tax	UML - Provides text processing to generate correspondence to employers and maintains records of of correspondence.	Operational			
Liability Determination - Tax	ULD - Maintenance of UI Tax Employer Master and Address databases. Establishes new liabilities.	Operational	1998		Employer Master File converted from VSAM to DB2.
JTPA MIS	Management Information System for Job Training Partnership Act.	Operational			To be replaced in 2001 by new One Stop Operating System
Initial Claims – UI Benefits	UIC – Unemployement Insurance Benefits New Claims and Monetary Determination processing.	Operational			
ICON	UIB – Unemployment Insurance BenefitsInterstate Claims	Operational			
Grants Management System	Supports management of grants distributed to service providers.	Operational			
Field Audit System – Tax	UAU - PC based tools to support auditors in UI Tax audit process.	Operational	1999		Applications converted from FoxPro to Visual FoxPro.
Field Audit Auditor System –Tax	UAU - Mainframe support of UI Tax employer auditing processes.	Operational			
FEIN Crossmatch	UFF - Crossmatches MN employers accounts against federal UI accounts to determine employers who should be liable under MN law.	Operational			
Occupational Employment Statistics (OES)	EOE □ Survey system to produce employment statistics by major industry groupings.	Operational	1998		

Economic Security Department

System Name	Description	Status	Enhancement	Retirement	Comments
External Data Source Load Progs	METIS, MCADS data load programs	Operational			To be replaced in 2001 by new One Stop Operating System
Online D.E./Display System	MOD □ Job Service Online Data Entry (Job Service)	Retired		1999	Replaced by WINS
Enhanced Ntl D.S.(ENDS)	MEN □ National Job Service Data System (Job Service)	Retired		1999	Replaced by WINS
Energy Assistance Program	System to support administration of Energy Assistance Program	Operational			EAP transferred from CFL – 2000. Plan to rewrite system -2001
Disability Determination Services	VDS □ Social Security Disability Determination System - VERSA	Operational	1998		
Cost Accounting	BCA - Internal department cost accounting activities, providing management reports and meeting federal reporting requirements.	Operational			
Collection Mgmt System □Tax	UCM – Mainframe & AS400 - Applications support UI Tax collections efforts.	Operational			
Rehabilitation Services Case Management System	CMS – Rehabilitation Services Case Tracking	Operational			
Certification Processing □ Tax	UCT - Performs Federal Unemployment Tax Act (FUTA) certification.	Operational			
Benefits Chargeable □ Tax	UBC - UI benefit payments result in notices of charges to employers that will be used in annual rate computations.	Operational			
Benefit Pymts Random Audit (UI)	UCC – Federally mandated quality control process to assess quality and integrity of UI payments program.	Operational			
Current Employment Statistics (CES)	ECE – Statistical survey of non-agricultural employers of wage and salary by industry.	Operational			

Economic Security Department

System Name	Description	Status	Enhancement	Retirement	Comments
Appeals	RI Appeals Docket & Tracking.	Operational	1999		Old System replaced–1999
1099 Processing	UCY ☐ Year end processing (unemployment insurance)	Operational			
FDMS	VRS – Facility Data Management System	Obsolete		1998	Replaced by Provider Reporting System and Severe & Persistent Mental Illness System
Surtax Processing - Tax	USU, to be retired (and not replaced) prior to 2000.	Retired		1999	No longer required by MN law.
Severe & Persistent Mental Illness System	Rehabilitation Services – maintains case information on individuals in these programs.	Operational	1998		
Provider Reporting System (PRS)	Rehabilitation Services – maintains information on service providers.	Operational	1998		
UI Tax Validation	UTV - Validates major tax functions for the U.S. Dept. of Labor.	Operational	1998		
Wage Detail – Tax	UWD - Processes quarterly Wage Detail reports from employers and maintains Wage Detail database used for UI Benefits.	Operational			
Wage Detail Delinquency ☐ Tax	UWA - Determines employers who have not filled Wage Detail reports and mails deliquency notices.	Operational			
VR/IIJEE Informix Data Base		Operational			
Voice Response System	Applications in support of VRU used primarily by UI Benefits.	Operational	2000		Additional capabilities added to process Continued Claims
UCFE Prototype	UCF - Developed for export to other states for processing ex-federal employees UI benefits.	Operational			

Economic Security Department

System Name	Description	Status	Enhancement	Retirement	Comments
Training Tracking System	ATE - Provides tracking for department staff training.	Operational			No longer being used but not formally retired.
Non☐Monetary	UNM ☐ UI Benefit Payments functions to determine eligibility of claimants preventing individuals from collecting who are not eligible.	Operational			
Tax Delinquency Control	UDC - Monitors timely reporting of information by employers, assesses penalties & interest.	Operational			
WINS	Workforce Information System - replaced functions formerly used by Job Service	Operational	1998		
UI Benefit Payments	UBP - Processes ongoing entitlements, produces check/direct deposits and maintains account history.	Operational			
Overpayments	UOP – Benefit Payment Overpayment Determination and fund recovery system.	Operational			
Personnel	APL - Local database tracking discipline events, shift work.	Operational		2000	Most functions replaced by SEMA4
Quarterly Tickler Run	ETK - Unemployment Insurance Benefits statistical system	Operational			
Technical Architecture	UTC – Provides codes tables, etc. for Tax Wage Detail and UI Benefits systems.	Operational			
Revenue Quality Control – Tax	URQ - Quality assurance on major business functions of UI Tax for U.S. Dept of Labor	Operational			
Staffing Model	UCC/ECS (Unemployment Insurance)	Operational			
RIMS	VRS – Rehabilitation Services Information Management System	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Salary Survey	ESS ☐ Research & Stats, statistical system ☐employers survey information	Retired		1999	No longer required.
SESA Auto Mgmt Sys(SAMS)	MES ☐ Job Service Activity Reporting (Job Service)	Retired		1999	Replaced by WINS
Special Payments	USP - Provides benefits to those who become unemployed due to special circumstances and who are entitled to special or additional benefits.	Operational			
SSB Communications Center Systems	State Services for the Blind – Systems to support Communications Center creation of media and distribution control of equipment, etc.	Operational			Being rewritten for implementation - 2001
UI Claims and Payments Statistics	ECS - Meets state and federal UI Benefits Claims/Payments statistical requirements.	Operational			

Agency Name   Electricity Board

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing	Personal and business electrical licensing	Operational	2000	2003	Conversion to new system begun December, 2000. Full conversion will coincide with full licensing term of 2 years.
Inspection	Electrical Inspection and related accounting	Operational	2001	2002	Development has been deferred until electronic payments are more feasilble.

Agency Name   Emergency Medical Services Regulatory Board

System Name	Description	Status	Enhancement	Retirement	Comments
Ambulance licensing	Contains ambulance service descriptive data, Operational 3/1998 mailing list information, and licensing data.	Operational			
EMS Personnel Certification	Manages initial and renewal certifications of Operational 6/1998 emergency medical technicians and first responders. Includes training reimbursement for volunteers and the longevity program.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Agency Name	**Employee Relations Department**				
HR Reporting	Ad hoc reports from SEMA4, IA, and insurance sources.	Operational			
Legislative Tracking	Internal support system to allow department management to track legislation.	Operational			
Workers☐comp	Administration of workers compensation, lost time, and medical claims.	Operational			
JOB LINE	Interactive voice response system which allow public to access information about state job openings, using a touch tone phone.	Operational	2000		
Staffing Clerical Exam	Internal support for processing clerical exams.	Operational			
Skill Search	Automated scanning of resumes and matching applicant skills with job required skills to support state agency hiring.	Operational	2001		Plan to expand use of skill search
Sigma	Department of Employee Relations, DOER is the agency responsible for this system: job applicant record, list referral, score records, employment application/exam processing.	Operational			To be retired when skill search is fully utilized
Pay Equity	System support tools for local government pay equity.	Operational			
Insurance Open Enrollment	Interactive voice response system to allow employees to select insurance options.	Operational	2000		
Hay Hrxpert	Software to support Hay evaluations of positions.	Operational			
Grievance Tracking	Internal support for Labor Relations Division. Tracks and searches employee grievances.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Employee Insurance	Administration of insurance benefits for state employees	Operational	2003		Plan to move business functions into SEMA4
DIVERSITY		Retired			Rplc by SEMA4
Budget System (admi servs)		Retired			
SEMA4	HR/Payroll Operational	Operational	2001		Upgrade project on schedule and on time

Agency Name   Environmental Assistance

SCORE database	(OEA) □ database that tracks solid waste and Operational recycling tonnage in Minnesota.	Operational			

Agency Name   Faribault Academies

Student System	Student contact information	Operational			
Health Profile	Track health needs	Operational			
Individual Education Plan	Student education needs	Operational			
Student Accounting	Handle student personal finances	Operational			
Personnel	Track licensure and in service training	Operational			

Agency Name   Finance Department

Advanced Government Procurement System (AGPS)	AGPS supports statewide procurement business.	Operational	1998		

Finance Department

System Name	Description	Status	Enhancement	Retirement	Comments
Biennial Budget System (BBS)	BBS supports statewide budgeting.	Operational			
Capital Budget System (CBS)	CBS supports statewide capital budgeting.	Operational			
Fiscal Note Tracking System (FNTS)	FNTS supports legislative Fiscal Note Tracking.	Operational			
DOF's Web Server	Provides public and agency access to DOF publications, resources and systems.	Operational			
Executive Information System (EIS)	Provides management level reporting for agency decision-makers responsible for budget oversight and monitoring.	Development	2001		
Information Access Data Warehouse	Provides accounting, procurement and human resources information statewide.	Operational			
Government Financial System (GFS)	GFS supports statewide accounting business.	Operational	1998		
Minnesota Accounting and Procurement System (MAPS):	MAPS	Operational	1998		
Statewide Employee Management System (SEMA4)	SEMA4 is the State's Human Resources and Payroll System. The '4' in SEMA4 refers to: Human Resources Processing, Payroll Processing, Reporting and Interfaces with other systems. The system processes payroll data for all employees of the executive and judicial branches of state government.	Operational	2000		Enhancements include implementation of updated version of PeopleSoft HRMS Software.

Agency Name   Gambling Control Board

Gambling Control Board

System Name	Description	Status	Enhancement	Retirement	Comments
Gambling Licensing Integrated Database	Incorporates the issuance & history of all lawful gambling licenses and permits with compliance reviews, disciplinary actions, board actions, organization requests and client education.	Production 08/15/1999	2000		System is in Production.

Agency Name   Governors Office

Office Information System	Constituent management and correspondence tracking	Operational			This system will contiunue to have incremental updates applied to it whenever they are sent by the vendor.

Agency Name   Government Innovation & Cooperation Board

Agency reported it has no systems

Agency Name   Health Department

Vital Statistics System Surveillance System	Vital Statistics System	Operational	2000		Legislative initiative to redesign death certificate and birth certificate operations begins operation
Minnesota Cancer Management System	Minnesota Cancer Surveillance System	Operational			
Laboratory Information	Laboratory Information Management System	Operational			
Health Dept Infrastructure and Support Systems	Health Dept. Infrastructure and Support Systems	Operational			
Family Health Information System	Family Health Information System	Operational			

Health Department

System Name	Description	Status	Enhancement	Retirement	Comments
Facility and Provider Compliance	Facility and Provider Compliance	Operational			
Environmental Health Information System	Environmental Health Information System	Operational			
Infectious Disease Information System	Infectious Disease Information System	Operational	2000		NEDSS development grant from Centers for Disease Control, begins transformation to a new more integrated system
Community Health Services Information System	Community Health Services Information System	Operational	2000		Converted to Oracle
HP & SC Information System	HP & SC Information System	Operational			
WIC Information System	WIC Information System	Operational			

Agency Name   Higher Education Facilities Authority

Agency reported it receives no state funding

Agency Name   Higher Education Services Office

System Name	Description	Status	Enhancement	Retirement	Comments
ISRDB	historical enrollment database	Operational			
Summer Scholarship	Scholarships for high school students.	Operational			
State Grant	Minnesota State Grant Program	Operational	1999		The COBOL code had to be modified extensively due to Y2K vulnerabilities.
SGO	state grant overpayment	Operational			

Higher Education Services Office

System Name	Description	Status	Enhancement	Retirement	Comments
SELF Defaulters	SELF loan defaults	Operational			
ITR	Interstate Tuition Reciprocity	Operational	1999		Rewritten in the Ingres RDBMS due to Y2K issues in the previous COBOL application. Will be completed in June, 2000
GRIP	loan consolidation program	Operational			
Program Inventory	higher education programs	Operational			Only used to keep track of programs that are approved under·MN Statute 141.

Agency Name   Historical Society

AskRon	Newspaper database	Operational			Version: 2.1
Citrix Metaframe	Remote Sites Network access	Operational			
Microsoft Exchange	E-Mail and Groupware	Operational	1999		Version: 5.5
KE Software EMu	Collections Management System	Development			Version: Build 5.04
Visual Resources Database	Manage visual resources metadata and images.	Operation			
PALS	The online catalog helps you find out what's available in the library's general collections.	Operational			Version: 15R1.W02

Agency Name   House of Representatives

Great Plains Dynamics	General Ledger, Purchase Order, Accounts Payable, Payroll	Transitional	2000		In the process of setting up reports and interface programs.
Fixed Asset System: created in house.	Tracks Office furniture	Operational		2001	Will be rewritten in ACCESS

System Name	Description	Status	Enhancement	Retirement	Comments
Legislative Electronic Timecard system	Tracks employee time	Operational			Replaced in house Paradox time entry system.
HRVantage	Human Resource tracking	Operational			Currently setting up procedures and creating custom reports.
Great Plains Accounting	General Ledger, Purchase Order, Accounts Payable, Payroll	Operational		2000	Moving to Great Plains Dynamics
HR System: created in house	Human Resource tracing	Operational		2000	Will be replaced by HRVantage

Agency Name   Housing Finance Agency

System Name	Description	Status	Enhancement	Retirement	Comments
Home Improvement Loan System	Process reservation, review, and approval of all loans.	Operational	1998	2002	
Tenant Accounting System	Administer federal section 8 rental assistance payments.	FY 2000 Operational			
SC (SHELTER+CARE)	Track rent assistance paid for homeless people.	Operational		1998	
Multi - Family Loan Processing System	Record applications for loans, track progress of proposed loans to closing	Operational		1998	
Loan Purchase	Authorize disbursements to buy approved loans.	Operational		2005	
IHTC	Low Income Housing Tax Credit, allocate tax credits, monitor compliance, report to IRS.	Operational		2004	
Multi☐Family Portfolio Management System	Record, report on data from multi☐family developments on financial, occupancy, physical status	Operational	1998	2008	
Investment	Manage MHFA investment portfolio, record buys, sells, value holdings.	Operational		2002	

Housing Finance Agency

System Name	Description	Status	Enhancement	Retirement	Comments
Home Mortgage Loan System	Process reservation, review and approval of mortgage loans purchased by MHFA.	Operational	1998	2002	
HAF Loan Servicing System	Housing Affordability Fund Loan Servicing System - track monthly payments received, balance outstanding.	Operational	2000		
General Ledger	Agency general ledger ☐control financing, produce financial reports.	Operational	2002		
FPAP	Track foreclosure prevention assistance.	Operational	2002		
ESCROW	Record payments, interest and disbursements Operational for multifamily developments.	Operational	1999		
Debt Service	Manage agency debt: bond principal, interest Operational payments.	Operational	2002		
Cash Management	Link MHFA with trustees, Norwest Bank, using EDI.	Operational		2005	
Home System	Administer federal home housing programs.	Operational		2007	

Agency Name   Human Rights

Case Tracking	Case Tracking Data Base	Operational	2000		PowerBuilder, SQL
Visual Basic,SQL	Data Base(Compliance division)	Operational	2000		New improved system, with future expansion capabilities and product support.
Compliance Fox Pro	Data Base (Compliance division)	Retired		2000	Replaced with Visual Basic, SQL
Compliance Fox Pro	Data Base(Compliance division)	Retired			Year 2K Compliance, completed 06/99

System Name	Description	Status	Enhancement	Retirement	Comments
Business Information System		Operational			

Agency Name   Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
Log Letter	Access 97 Keeps track of correspondence sent to the Commissioner and Deputy for response. Generates reports based on information in the system.	Operational			Needs updated or redesigned
Lawson General Ledger System	Provides standard accounting reports (Income Statement, Balance Sheet, etc.) for all State Operated Services	Operational			Stable
LCTS - Local Collaborative Time Study	Allocates social service activities and costs of collaborative partners and determines eligible expenses for federal reimbursements through Medicaid and Title IV-E.	Operational			Needs to be re-written.
Legislation/Reports required by legislation	reports, CSMD proposals, bill summaries and fiscal notes: Reports and proposals are separate databases; bill summaries and fiscal notes are combined. Tracks status and due dates for legislation by title, number, staff assigned to and dates. Bill summary	Operational			Stable
License access # 2 Appeals	Access 97. Keepse track of all Licensing Contected Cases 9 I.e. dates of issue and issue codes.	Operational			Stable
Log Letters	Shared database used by support staff and log letter writes forr Continuing Care. Tracks letters by log number, date received, date due, subject, supervisor, assigned to, and status. Reports: list of letters completed and due, overall and by superviso	Operational			Stable
MALien Client Server	Tracks MA liens	Operational			To be rebuilt

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
MARN, 616, Ward listing	Access 97. Interface to two Minnesota Area Resource Network "open cases" reports. The 616 report generates a report of missing information in the main adoptions system for all Minnesota counties. The Ward Listing report generates a report of data for all	Operational			Stable
MAXIMO	Utilized by SOS to schedule preventive maintenance and maintain mechanical stock inventory; additional features of the product may be implemented in the future	Operational			WAN upgrade version to be implemented in BY01
Merit Position Description Audit Database	Access Database tracking job audit data for Merit System county job audits	Operational			Stable
Merit System Employee Information Database	Access Database tracking county social service agency employee transactions	Operational			Stable
Microsoft Exchange	Departments Email System	Operational			Stable - Rebuilt for Y2k. Will upgrade to newer version soon.
MMIS: Prior-Authorization	The MMIS Prior Authorization system, together with the Medical Screening and Service Agreement systems provide service utilization control by documenting and authorizing designated Medicaid services for payment.	Operational			Stable and operational
MN Care	Interactive Voice Response system that provides information to health care providers regarding client payment eligibility.	Operational			
National Drug Code	Interactive Voice Response system that provides information to health care providers regarding client payment eligibility.	Operational			
ICWA - Indian Child Welfare Act	Determines IV-E administrative reimbursements to tribes.	Operational			Currently in Fox Pro 2.0. Needs to be rewritten.
MREP Client Server		Operational			To be rebuilt

System Name	Description	Status	Enhancement	Retirement	Comments
Recpt History	New system, part of health care rewrite. Web based interface to mainframe through oracle database.	Development			
EO Charges	Access 97. Recording and tracking discrimination charges filed with federal and state enforcement agencies.	Operational			Stable. Internal EO office confidential use only.
Estate Claims/Death Match	System to track outstanding Cost of Care accounts and file claims against estates after death of client.	Operational			MS Access system.
FACSys (EDMS)		Operational			Stable
Fair Hearings Database	Access 97, tracks fair hearings, is used for scheduling appeals and issuing notices in appeals . Also includes issue codes.	Operational			Stable but could benefit from updates and enhancements.
FFM - Federal Funds Management	Tracks use of federal letters of credit and grant authorizations and awards.	Operational			MS Access system. Stable.
FileNET (EDMS)	Data imaging system, scanner file manager.	Operational			new system in acceptance testing. Will replace the OpenDox system.
Fire Safety Advisor	OSHA Decision Support software	Operational			Stable
GenComp	Telnet program connecting to DOER Workers compensaton program	Operational			Stable
Information Warehouse	Statewide Employee information database containing archived SEMA4 data	Operational			Stable
Hospital Disp Share Match		Operational			Stable
IWP- Subsidized Adoptions	Cost Accounting - Issues payments through MAPS 2000.	Operational			Stable. MAPS has EFT functionality.

System Name	Description	Status	Enhancement	Retirement	Comments
IMRMS - Income Maintenance Random Moment Time Study	Gathers information to determine what program income maintenance county workers are dealing with at a given time. Used for allocating income maintenance costs across several programs.	Operational			Stable. Currently electronic using MAXIS e-mail. Phase 2 to further e-gov solutions, unfunded.
Non-Recurring Adoption Expense	Access 97. Record of payments under the NRAE system. Federal and State funded. Reports go to Finance for payment	Operational			Stable
Internal Audits Activity Recap	An Access database that tracks the work activity of the Internal Audits Office.	Operational			stable
International Adoptions Tracking	Access 97. Produces letters and reports to County agencies regarding international adoptions.	Operational			Stable
ITS (Information Transfer System)	Receives health care claims from providers for movement into MMISII.	Operational			System being rebuilt.
IWP - Interface Warrant Processing	Cost Accounting - Issues payments through MAPS 2000. Automated interface from each DHS system to use MAPS to issue payments and record accounting expenditure data.	Operational			Stable. MAPS has EFT functionality.
IWP- Financial Management PAs	Cost Accounting - Issues payments through MAPS 2000.	Operational			Stable. MAPS has EFT functionality.
IWP- MMIS - LTC	Cost Accounting - Issues payments through MAPS 2000.	Operational			Stable. MAPS has EFT functionality.
IWP- MMIS - Medical Vendor	Cost Accounting - Issues payments through MAPS 2000.	Operational			Stable. MAPS has EFT functionality.
GenRisk	Injury and Illnes database - risk management system	Operational			Stable

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
SSIS QA/Help System	Lotus Notes enterprise management system used currently to track Help Desk reports and system problem reports. Future plans include direct access by county workers via MNet (intranet).	Operational			Internal system stable and operational. Future plans for county access in development.
Rule 5	Determines the portion of the maintenance per diem which is claimable under Medicaid and IV-E.	Operational			Converted from Fox Pro 2.0 to 5.0. Needs to be rewritten.
SAMI	Employee Drug test encryption progam	Operational			
Scanner	Data imaging system, scanner file manager.	Operational			Will be replaced by File Net
SEAGR - Social Services Expenditures and Grant Reconciliation Report	Accumulates and reports on statewide county social service revenue and expense.	Operational			Stable. MS Access and VB. Should be upgraded to SQL.
Self Determination tracking		Development			
Seniority Database	Access Database tracking DHS employee seniority rosters	Operational			
SIGMA	Job application processing and tracking system	Operational			
RASCAL	Paradox 3.5	Operational			Unstable, System rebuild being planned
SOS Cost Accounting	Tracks cost of services provided by State Operated Services to generate federally required reports and establish fees.	Operational			New replacement system to be implemented in FY 01 and 02.
Respirator Advisor	OSHA Decision Support software	Operational			
SSTS - Social Service Time Study	Allocates social service activities and costs of county social service workers and determines eligible expenses for federal reimbursements through Medicaid and Title IV-E.	Operational			Stable - Currently being rewritten.

System Name	Description	Status	Enhancement	Retirement	Comments
State MR/RC waiver tracking		Operational			
Subsidized Adoptions	Access 97. Tracks post-adoption children and subsidy payments to families. Very large system with mainframe linkages.	Operational			Needs Dedicated and high-level support.
Title IV-E	Determines Title IV-E maintenance payments to counties for eligible foster care children.	Operational			Renovation near completion.
Title XX	Access 97. Tracks clients and costs for Title XX reporting	Operational			Converting from SAS to Access 97
VIEW	The VIEW function is a web-enabled GUI presentation of selected (and secured) MAXIS data to Employment Service providers. Service providers will use their choice of ISP to enter a URL that takes them directly to the ITG web server and the VIEW function	Development			
Welfare Fraud Statistic Software Program	a pc based statistical dbase program used in counties to collect and report welfare fraud activites. .	Operational			this is an outdated pc dbase software program that will be replaced with a reporting application contained in PIN
Single Audit Resolution	An Access database that tracks the department's compliance to the various requirements of the Federal Single Audit Act.	Operational			
Public/Private Adoption Initiative	Access 97. Eleven (11) Adoption Agencies in the State of Minnesota contract with the Department of Human Services to pay for services performed on behalf of children and families for a variety of pre- and post-adoption costs. Agencies provide budgets to t	Operational			Complex development in progress
Nursing Home tracking Databases	Access 97. Track private rooms, and vent out of state and room changes for nursing home clients,	Operational			Converted from Paradox to Access 97 in 1999. Everything works great!

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
OCLC	worldwide library catalog database	Operational			Stable
PALS	Free standing database maintaining library catalogs for all member libraries	Operational			Stable
Parental Fee	AS400/RPG Accounting System to bill and collect fees for parents with children receiving State services. CITA used to send fees to MAPS 2000.	Operational			CITA used to send fees to MAPS 2000.
PATS - Placing Agency Time Study	Determines what part of an administrative rate that counties pay vendors is IV-E reimbursable.	Operational			Currently in Fox Pro 2.0. Needs to be rewritten.
Protected Group Database	Access Database monitoring the the hiring process, vacancy status	Operational			
Public Assistance Statistical Reports - Federal Reports	Submits federally mandated statistical reports for cash and medical assistance programs.	Operational			Methods and systems change often.
RSL Database	HIV records, reports	Operational			
Public Guardianship		Operational			
RSDI	System to track clients eligibility for RSDI and/or SSI. Federal County Clients				Stable VB/SQL system
Purchase of Services	Access 97. Payment tracking system for State and Federally Funded program for special legislated services by Counties. Reports go to Finance for payment of these funds.	Operational			
Eligibility Verification System (EVS)	Interactive Voice Response system that provides information to health care providers regarding client payment eligibility.	Operational			
Receipts Processing - WFS	Image based reciepts processing system which interfaces with MAPS, MMIS, and Surcharge providing reports and image archive services.	Operational			Wausau Financial System.

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
PIN-Program Integrity Network	The PIN is designed as an access device using Web Browser technology as the interface for connecting counties to the DHS datawarehouse Recipient Profile and Welfare Fraud Statistical Reporting applications. The PIN is housed on a Web server under the con	Operational			County access to the PIN is currently being piloted in six counties, pending state rollout approval from ITS in the 4th quarter of calendar year 2000. Is scheduled for statewide deployment in 1st quarter 2001
Referrals	Access 97. Produces letters and tracks referrals of personal requests for adoptions information. 14 separate letters generated	Operational			
Refugee Self Sufficiency Database	MS Access 97 and MS Visual Basic 6.0. Keeps track of refugees, Amerasian and asylees who enrolled in the refugee Self Sufficiency Project and Non-employment Services. This database will also keeps tract of the Refugee Referral and Outreach Services star	Operational			It's been working without any problems.
Relative Hardship Waiver	Database containing data on the Relative Hardship Waiver program. It is also the "vehicle" to print the letters that are sent to providers and consumers about the determination	Operational			
Nursing Home Database on DHS public website	SQL Server database accessed by the public via the DHS web site. Data is updated periodically using Visual Basic modules.	Operational			Stable.
Public benefit counselor	a web based application that provides information to seniors about eligibility requirements for public programs.	Operational			
Public Assistance Statistical Reports - DHS Reports	Publishes statistical reports for public use.	Operational			Methods and systems change often.
Audits Division	applications used to calculate rate elements for nursing home rates.	Operational			
APPLIX	Track reported MMIS system problems and responses	Operational			Needs dedicated support

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
AIM (NAPIS-Natl. Aging Program Information System)	power builder, the data base contains information about seniors who participate in the senior dining program.	Operational			
Affirmative Action Goal Achievement	Excel. Monthly reports to Human Resources and managers supervisors summarizing status of protected group representation in DHS workforce for affirmative action plan compliance, from downloaded IA warehouse data .	Operational			Could be updated by automating download and distribution
Adult Maltreatment	Access 97. Keeps track of allegations of maltreatment of adults	Operational			Needs dedicated high level technical support. Needs tested backup and recovery.
ACD Vu	Help Desk call reporting software	Operational			To be installed in 2 weeks implementation problems to be addressed. Then needs dedicated support
Accounts Receivable Reporting for SOSS	Reports receivables from BHIS.	Operational			MS Access/VB system.
2.0 County tracking for MR/RC		Operational			
MAPS ER - MAPS Electronic Reports	Provides electronic data reports about MAPS 2000 and SEMA4 transactions.	Operational			MS Access system that utilizes the Dept. of Finance IA warehouse.
CIS		Retired			
RTC: Billing System (MVS version)		Retired			
Budget Forecasts -- Cash Assistance Programs	Econometric forecasts of program costs.	Operational			Methods and systems change often.
FCARS - Moved into SSIS system		Retired			Functions moved to SSIS in 1999/2000

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
CSES-Child Support Enforcement System		Retired			
CSED-PRISM	PRISM is a federally mandated system to support the child support enforcement program. It is a mainframe system that runs at ITG. The primary users are approximately 1,300 county workers. The major business functions of the application are paternity establishment, child support collection.	Operational			Stable, but requires constant modifications and enhancements for federal and state policy changes and user needs.
MMIS/MMIS II-Medicaid Management Information System	MMIS-II is a mainframe system which supports the administration of Minnesota's Health Care programs through an automated system which collects client eligibility information and processes and pays medical claims.	Operational			Stable and operational
EBT-Electronic Benefits Transfer	Automated delivery system that manages, supports, and controls electronic payments and distribution of Food Stamp and cash benefits distributed by the MAXIS system to public assistance recipients. The EBT system utilizes an existing commercial infastructu	Operational			Stable. However the current vendor contract ends September 30, 2001. We might be converting to a new vendor's system or to a new platform (for administrative services only) with the existing vendor between 1/01 and 9/01.
MAXIS	Platform components include MVS, CICS, Natural, ADABAS. Automates eligibility determinations for economic assistance and health care programs.	Operational			Stable mainframe system in constant development and maintenance.
Long Term Care Rate Settings	SAS programs running on Intertech mainframe computers. The programs calculate Medicaid reimbursement rates for Nursing Home residents and residents of Intermediate Care Facilities for the Mentally Retarded.	Operational			Stable. Requires yearly updates to reflect changes in laws related to how rates are calculated.

System Name	Description	Status	Enhancement	Retirement	Comments
LIS - Licensing Information System	Custom Visual Basic application, data stored in SQL-Server. It contains information on all entities licensed by DHS, on Applicant Background Studies, on complaints against licensed entities, and on complaints of maltreatment in licensed entities.	Operational			Stable; enhancements being programmed.
HSIS - dietary and pharmacy modules	Utilized by SOS hospitals for internal documentation and information management	Operational			Stable
Fixed Asset System	Coveres fixed and capital assets of DHS for over 400 sites throuhghout Minnesota. Ensures autit ability, budgeting and security of state assets.	Operational			Upgraded in 1999. Stable
EIS Data warehouse	Legacy system data warehouse, research and reporting tool.	Operational			stable
DANNES	Client server NT 4.O OS, HP3000, COBOL, Meets federal reporting of compliance to federal alcohol substance abuse and mental health block grant program guides.	Operational			Stable Operational
IWP- CCDTF	Cost Accounting - Issues payments through MAPS 2000.	Operational			Stable. MAPS has EFT functionality.
EDP (Equipment Distribution Program) Database	Access 97 keeps track of clients served by the EDP. In addition, it tracks equipment inventory, both devices in circulation and in storage.	Operational			The data base is up and running. Staff will receive training on how to use it in mid October. We will be working to determine what reports will be run from the data, the format of those reports, etc.
CSIS-Community Services Information System/CSIS II		Operational			
DRAMS (Drug Rebates Anaysis and Management system)	Tracks drug usage for rebates	Operational			acceptance testing.

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
EDI Clienr Server	Customer support reporting software	Operational			Paradox system needs update, looking at commercial package.
SSIS-Social Services Information System	Statewide client server case management and client tracking system for county social workers.	Operational			Stable production system with 3000 county users statewide; all support to counties provided via MNet from DHS in St.Paul.
DSS Unit Tracking	System used to keep various info on all data requests coming into the Data & Systems Support unit of CSMD	Operational			Stable
Budget Forecasts -- Medical Programs	Econometric forecasts of program costs.	Operational			Methods and systems change often.
DOER Benefits	Mainframe system for looking up employees' benefit information	Operational			Stable
Doer Audit Database	Access database job audit / reclassification requests	Operational			Stable
Diversity Training Records	Access 97. Recording participation in introductory course and quarterly reporting employee completion status to managers and supervisors within DHS Central Office. Interfaces with SEMA4 and IA warehouse for current employee data.	Operational			Could be further updated by automating download and distribution
DHS Electronic Timesheet	Used by DHS employees to report on hours worked per pay period.	Operational			VB application currently in testing phase. Needs to be moved to SQL and web enabled, unfunded.
DHS Class Query	Access query for pulling job class data out of the information warehouse	Operational			
Daylog - Group Facilities	Determines the portion of the per diem which is claimable under IV-E maintenance for feds.	Operational			Currently in Fox Pro 2.0. Needs to be rewritten.

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
CUBS	Collection system. State County Client Insurance Company. Proprietary system running on NT server. CITA used to receive payment and charge information from MAPS 2000.	Operational			Proprietary system running on NT server. CITA used to receive payment and charge information from MAPS 2000.
CSSA tracking system	Database containing plans counties has to put together under the Community Social Service Act	Development			
CSMD Reports		Operational			Stable
COCR - Central Office Cost Reporting	Determines the statewide indirect administration costs to allocate to federal programs.	Operational			Stable. Plans to expand e-gov solutions unfunded.
CAC tracking system	Data Base is the only place we save RHW data. It is also the "vehicle" to print the letters that are sent to providers and consumers about the determination	Operational			
CACR - County Income Maintenance Cost Reporting	Determines how much to bill each federal program for county income maintenance costs.	Operational			Stable. Phase 2 to further e-gov solutions, unfunded.
Caseload Summary report	Monthly report of number of clients receiving specific services	Development			
Catch II (Child and Teen Check Up)	Tracks children's use of medical, notifies families of CHIP program. Delphi, Access 97 system.	Operational			Rewrites to fix bugs and conform to business needs in 2000.
CCH - Commerce Clearing House	modem hookup to the "Medicare and Medicaid Guide." used by our Federal Relations unit	Operational			
Clinical Work Station	Electronic medical record components, including patient assessments, treatment planning, and progress notes. Utilized in most state operated health care programs. Data base for program evaluation.	Development			To be implemented in FY01-02
Bulletins	Tracks status of bulletins by title, supervisor and staff assigned to, and routing dates. Reports: list of bulletins in progress and completed	Operational			

Human Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
Confined Space Advisor	OSHA Decision Support software	Operational			Stable
Contracts Database	Access 97 Keeps Track of all DHS contracts (I.e date funds encumbered, amount, start and end dates, etc.).	Operational			Stable but could benefit from updates and enhancements.
CSED-VIPRS	VIPRS is a client server application that is used to collect financial transactions and pre-process them for uploading to PRISM for posting. It allows payments to be processed, without interruption, when PRISM is down for batch processing. It also increa	Operational			Stable, but needs upgrade for new operating system.
DT&H Vendor Tracking	Database tables, forms and reports containing information about the DT&H program.	Operational			Stable
Cost Analyses/Fiscal Notes/Special Studies	Statistical analyses & fiscal notes for mgmt. collaborating researchers.	Operational			Methods and systems change often.
CSED-IVR	Interactive Voice Response system that provides information to a number of audiences. The majority of the callers are the general public (to learn about the child support enforcement program, its procedures, etc.) and parents with cases on PRISM (to lear	Operational			Stable, but needs hardware and Network Operating System upgrades.
CEP-Central Entry Points/VADB-Vulnerable Adults Database	Access, it contains information about vulnerable adults	Operational			

Agency Name   Humanities Commission

Agency reported it has no systems

Agency Name   IISAC

System Name	Description	Status	Enhancement	Retirement	Comments
Agency reported it has no systems					

Agency Name   Indian Affairs Council

Agency reported it has no systems					

Agency Name   Investments Board

Financial Controls System	Accounting Investment Management	Operational	1998		

Agency Name   IRRRB

Wincats 2000	Client activity tracking and reporting system	Operational			
Helmsman 95	Financial reporting system.	Operational			
Access Loan Database	Loan activity tracking, reporting and invoicing.	Operational			
Mailing/Contact Database	Mailing list and contact database	Operational			

Agency Name   Judicial Standards Board

EDM	Communication	Retire	1998		
Boardstat	Data base	Enhancement	1998		

Agency Name   Labor and Industry Department

Labor and Industry Department

System Name	Description	Status	Enhancement	Retirement	Comments
CSMS - OAH	Case scheduling and management system designed for OAH WC Division. Built within imaging system and updating shared database.	Operational	2000		Created in partnership with OAH. Also used by Workers' Compensation Court of Appeals.
GenComp	Case management system used by Special Compensation Fund staff. DOER "owns" the system and our agency uses it.	Operational	2001		Would like to upgrade to Windows-based system.
Rehab	Relational database with information on client contacts	Operational			
Photocopy	Database system used in worker's comp to track requests and fees for photocopy.	Operational			
Investigative Services Unit Casefile Mgmt.	Creates a file and logs all of complaints that are received.	Operational			
IMIS ☐Consultation	Records and reports on consultation efforts with state employees. Receives and transmits information from federal OSHA.	Operational	1998		
Code Services Information System	Applications designed to support Code licensing and inspection functions. Moves them off of MAPPER.	Development			B00-01 budget initiative. Phase 1 to implement 1/01. Phase 2 scheduled for 5/01.
Imaging System	Document imaging system used by worker's comp system to handle cases.	Operational			
Computer Inventory Track-It	Tracks inventory of PC's, laptops, printers, handhelds, servers. As above, also includes Helpdesk calls.	Operational		2000	Replaced by Track-It system.
Benefit Summary	Tracks payments made to an individual and is reconciled with what is paid out	Operational			

Labor and Industry Department

System Name	Description	Status	Enhancement	Retirement	Comments
MAPPER	Legacy System supporting WC, Labor Standards and Apprenticeship Units. Agency is has undertaken an on-going effort to move business applications from MAPPER to a shared enterprise database and applications.	Operational		2003	Being Replaced
IMIS □Compliance	Records and reports on inspections. Receives and transmits information to federal OSHA.	Operational	1998		Feds indicate they plan to replace this system. No firm date has been determined.

Agency Name   Labor Interpretive Center

System Name	Description	Status	Enhancement	Retirement	Comments
Membership	Database written for Labor Int. Ctr.	Operational	1998	2000	

Agency Name   Law Examiners Board

System Name	Description	Status	Enhancement	Retirement	Comments
Bar Examiniation	Business basic custom system and Access 2.0 database.	Operational	1998	2005	

Agency Name   Law Library

System Name	Description	Status	Enhancement	Retirement	Comments
Cost Control Program	Collection costs of publications	Operational			
Minnesota Legal Periodical Index	Bibliographic Index	Operational			
Shared Depository System	Tracks distributed federal documents to state agencies	Operational			
PALS (Project for Automated Library Services)	Online library catalog and interlibrary loan system	Operational			This is the system used by all state government libraries and other Minnesota libraries since 1987. It will be replaced by MnLINK (Minnesota Library Information Network) within the next five years.

System Name	Description	Status	Enhancement	Retirement	Comments

Agency Name   Layers Professional Responsibility Office

System Name	Description	Status	Enhancement	Retirement	Comments
Atty Discipline Record System	Maintains all attorney discipline records both public and private.	Operational	2000		Built by Macro Group
Advisory Opinion Database	Maintains advisory opinions given and tracks statistics	Operational			Built by Macro Group

Agency Name   Legislative Auditor

System Name	Description	Status	Enhancement	Retirement	Comments
Staff Performance Evaluation System	Used to enter/track auditor performance evaluations; supports financial audit division	Operational			
Time Management System	Staff time reporting/project management system; supports financial audit, program evaluation and support service functions	Operational	2001		Under continued development

Agency Name   Legislative Coordinating Committee

System Name	Description	Status	Enhancement	Retirement	Comments
Great Plains Dynamics	General Ledger, Accounts Payable, Payroll	Development	2000		In the process of setting up reports and interface programs.
HR System: created in-house	Human Resource tracing	Operational		2001	Uses Paradox Database. Will be replaced by HRVantage
Electronic Timecard system	An in-house system that tracks employee time	Operational	2000		Uses a SQL Database and interfaces with HrVantage. Replaced in house Paradox time entry system.
HRVantage	Human Resource tracking	Operational			Uses an Access Database. Currently setting up procedures and creating custom reports.
Great Plains Accounting	General Ledger, Accounts Payable, Payroll	Operational		2000	Moving to Great Plains Dynamics

Agency Name   Legislative Reference Library

System Name	Description	Status	Enhancement	Retirement	Comments
Agency reported it has no systems					

Agency Name   Marriage & Family Therapy Board

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing System	Licensee tracking.	Operational			

Agency Name   Mediation Services Department

System Name	Description	Status	Enhancement	Retirement	Comments
Case Management	Case tracking and scheduling.	Operational			

Agency Name   Medical Practice Board

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing System	Used to license physicians and other health related occupations that are under the Boards administration.	Operational	1998	2001	
Cash Management System	Handles license / registration fees.	Operational	1998	2001	
E-Mail, Internet Access	E□mail and access the Internet, Word processing application.	Operational			
Discipline System against any profession that the Board administers.	Used to track / monitor all complaints filed	Operational	1998	2001	

Agency Name   Military Affairs

System Name	Description	Status	Enhancement	Retirement	Comments
Agency reported it has no systems					

Agency Name   Minnesota Racing Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing	Licensing, Data Collection and Reporting	Operational	2000		

Minnesota Racing Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Veterinary System	Data Collection and Reporting	Operational	2001		
Pari-mutuels	Auditing and Reporting	Operational			
Breeders Fund	Data Collection, Accounting, & Reporting	Operational	1999		

Agency Name   Minnesota Technology, Inc.

System Name	Description	Status	Enhancement	Retirement	Comments
Services & Results Database	IVIS Access 2.0 database used to track services provided and results.	Operational	2000		

Agency Name   Minnesota State Lottery

System Name	Description	Status	Enhancement	Retirement	Comments
ICS	On-Line Lottery Ticket Control System	Operational			
Player Hotline	Player Communications	Operational			
BPCS	Accounting System	Operational			
ACCLAIMS	Instant Ticket System	Operational			

Agency Name   MnSCU

System Name	Description	Status	Enhancement	Retirement	Comments
Student Systems	Prospective Students, Communications, Applicants, Admissions, Registration, Student Accounts Receivable, Financial Aid, Student Payroll	Development			
Administrative	Accounting, human resources, payroll, purchasing, financial reporting	Operational	1998		
ISRS	Student record system (to replace SRS). (Metro U)	Operational	1998		

System Name	Description	Status	Enhancement	Retirement	Comments
PCs	Purchasing Control System (Metro U)	Operational			
Raiser's Edge	Alumni donor tracking/fund raising (Metro U)	Operational			
SCUPPS	Person nel/Payroll System (Metro U)	Operational			
SRS	Student registration, admission, financial aid, billing (Metro U)	Retire		1998	

Agency Name   Natural Resources Department

System Name	Description	Status	Enhancement	Retirement	Comments
Land Ownership System	HEAT: HelpDesk Expert Automation Tool (GoldMine Software Corp.)is PC/LAN-based help desk automation software for help desks and call centers providing internal and external customer support. HEAT features a complete suite of call logging and tracking tools, management and analysis reporting, knowledge-based problem solving assistance and add-on knowledge bases, automatic call escalation and messaging, call record import, and easy DOS-to-Windows data conversion. HEAT's help desk automation features streamline internal efficiency and improve customer service.	Operational			

Natural Resources Department

System Name	Description	Status	Enhancement	Retirement	Comments
HEAT: HelpDesk Expert Automation Tool	An internet-based spatial data acquisition site that allows users to download raw computer-readable data for use in their Geographic Information System, image processing system, or database. The site includes links to extensive and summary level data descriptions (metadata). The web search interface is written in Javascript and Java with system support functions provided by Perl scripts. The spatial display, query, and reporting functions are provided by the University of Minnesota's MapServer software. A variety of integrated data processing support functions are written in Perl and Arc Macro Language (AML). The site is an integrated system of data storage, access, maintenance, documentation, and distribution. The site contains data that is assembled from the DNR GIS Core Database. An update process is executed on a weekly schedule.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
GIS Data Deli	The GIS Core Database is an outgrowth of a traditional ARC/INFO database architecture that relies on remotely mounted file systems to access data across various portions of the network. Data are organized in tile-based extent, and are generally only accessible through proprietary software. Spatially continuous data access is provided through ARC LIBRARIAN data structures. Data are redundantly stored at separate key access sites to improve performance of GIS applications, and better support user requirements. Data may also exist in different file formats, particularly in ARC/INFO coverages and Shape files. Data are accessed extensively through both desktop (Windows) and UNIX-based environments. File systems are shared through Samba server processes to desktop clients (the "v" drive), or through the use of NFS networking protocols between UNIX workstations. Portions of the Core Database have found their way into web-based applications, although the data has typically required additional pre-processing.	Operational			
GIS Core Database	Information on forest campgrounds for management purposes. Platform: Access '97.	Operational			
Forest Campgrounds Administrative Database	Application used to develop annual work plans and budgets. Process starts at area offices and rolls up to division work plan and budget. Uses data from Fleet Management System and SEMA4 to calculate equipment costs, staff costs, and resources. Application developed by Rick Nelson, Fisheries Biologist. Potential for use throughout DNR. Modification underway to include Capitol Budget Program (Linda Erickson-Eastwood). Platform: Visual dBase. Projected completion date is July 2001.	Operational			

Natural Resources Department

System Name	Description	Status	Enhancement	Retirement	Comments
Fisheries Work Planning & Budgeting	Application tracks the stocking of public lakes. Data, including the species, strain, size, and number of fish stocked, is entered and maintained in the Central Office. Platform: dBase IV; release of new web-based application scheduled for January 2001.	Operational			
Fisheries Stocking Database	Application maintains data for the aquatic education program. Goal of the program is to inform the public about life history, habitat requirements, and management of the aquatic species of the state, and to promote understanding of the issues related to balancing social, environmental, and economic demands. Database contains information about the activities of the program, volunteer time, and donations, and is stored in the Central Office. Platform: Visual dBase.	Operational			
Mineral Rights Information System		Operational			
Fisheries MinnAqua Database	Application organizes physical, chemical, and biological data concerning habitat, water quality, and fish populations in Minnesota lakes. Allows Fisheries to develop management plans, evaluate management techniques, and monitor long term changes or trends in aquatic environments. Lake reports generated by the system are very popular with the public and are available in printed form or on the DNR Web Site. Data is maintained at area offices, and combined at Central Office into a statewide database. Platform: dBase IV; will be replaced by a web-based application (interface written in PHP) in 2002.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Fisheries Lake Survey Database	Application to help Fisheries managers reach decisions regarding the best management of lakes, prepare and implement plans, and evaluate results. Platform: dBASE IV; plan to replace the program with a web-based application in 2001. See also under "Development / Testing" in this chapter.	Operational			
Fisheries Lake Management System	Database contains detailed and summary statewide data from Creel, Lake Survey, and Stocking databases. Users connect to the database via LAN, WAN, or dial-in, and use SQL-compliant software (e.g. Microsoft Access, ArcView, Crystal Reports, Quattro Pro) to access the data. Platform: Oracle 8i.	Operational			
Fisheries Data Mart	Application estimates fishing pressure: hours of fishing per time period; catch per unit effort (CPUE = number of fish caught per unit of fishing effort); total catch as identified by anglers surveyed. Developed by Division of Fisheries. Data maintained in fisheries area offices. Platform: dBase IV.	Operational			
Fisheries Creel Survey Database	Project initiated Fall 1996 to integrate four databases and applications: Facilities Management, Fleet Management, Fixed Asset Inventory, and Safety Programs. Application continuing to be developed by Vision Technologies. Platform: AS/400 with VB6.0 client. Y2K investment of $405,000. Total invested to date is $785,000. Annual maintenance estimated to be $80,000. Need migration plan.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Field Services Consolidated Database (CODA)	Consolidated database of environmental review information and a common application for accessing that database by parties involved in the receipt, review, and response to environmental review documents. Developed by Vision Technologies in 1999. Y2K investment was $42,400. Total investment to date is $125,000. Platform: Oracle 8i; Visual Basic 5.0 client.	Operational			
Environmental Review Database	Provides status of survey and design projects, both in-house and under contract. Platform: Access 2000. Need network access to database. Contracted with Wendy Nelson in July 1999 to upgrade functionality and reporting options.	Operational			
LandView	System to manage all DNR-owned surface land and mineral rights. Developed by CCSI 1983-85. Accounts receivable, and billings for land sales, gravel, and professional services added 1988-1992. System has been cobbled together over the last ten years and is seriously out-of-date. A Project Definition JDASM was held in March 1999 to begin defining needs for a new system. The FY00/01 budget initiative was not funded. LCMR Proposal FY02/03: $2,875,000. DNR should set a highest priority on developing an integrated land information system. Platform: AS/400.	Operational			
State Parks Facility Database	DOS-based system developed by The Nature Conservancy for managing SNA biological and conservation data. SNA program budget data is maintained in Lotus. Goal is to integrate components. Met with Carol Pearson 11/24/98 to discuss options for system upgrade. Met with Terry Johns (volunteer) 12/3/98. Platform: Advanced Revelation. Need migration plan.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Engineering Project Management	Mission critical system maintains records of DNR-issued warrants pertaining to fish, game, and recreational vehicle law violations. Developed by CCSI 1985. Platform: AS/400. Major modifications by MIS in 1995 to accept transfer of data from the Total Court Information System (TCIS). Minor fixes by Born Consulting in July 1999. FY00 maintenance: $25,000. Need migration plan.	Operational			
PlatViewer	Database stores casework the laboratory has handled since 1992, including all testing, recommendations, and reports. Developed by Pathology Lab staff. Application meets user needs at this time. Platform: Access '97.	Operational			
Timber Sales System and Scale Report	Systems will be replaced by FORIST, described under "Development / Testing" in this chapter. Y2K compliance investment of $189,000 for the two systems.	Operational			Visual Basic on SQL server
Real Estate Management Decision Support System	Graphical interface designed to facilitate access to the Land Information System for viewing project information and status. DSS also tracks employee workload and skill sets. Application developed by Vision Technologies, 1999. Platform: AS/400; Visual Basic 5.0 client. Not currently in use. Estimated investment $92,000.	Operational			
License, Registration, and Decal Inventory (LRDI)	Tracks inventory of fishing, hunting, and x-country ski licenses that are sold by DNR and license agents. Interface to REVSYS for receipts. Developed by Born Consulting 1995; technology upgrade complete December 1999 at a cost of $100,000. Current platform is Access 2000 and Visual Basic 6.0 client. ELS will eliminate need for system.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
License Refund System	System maintains information on issued refunds. Interfaces with MAPS. Developed by License Bureau staff in 1988 and re-written in 1995. Platform: AS/400. Function will become part of Oracle Financials implementation.	Operational			
Boat and Recreational Vehicle Registration	Application tracks boat and recreational vehicle registrations. Developed by CCSI 1985. Platform: AS/400. Electronic Licensing System (ELS) will replace system in May 2001.	Operational			
Watercraft Titling System	Database used by staff for planning, reservation data, and public brochures about park facilities. Contains everything about park facilities from miles of trails to counties that the parks are in. Primary database for the web team to extract data from and to share with others in DNR.Manages watercraft titling transactions. Developed by CCSI 1991. Platform: AS/400. Need migration plan.	Operational			Platform: Access '97.
ArcView Extensions (GIS Tools)	Stream Mode Digitizing Extension (Version 1.05 - 8/15/2000) Provides the functionality to do on-screen stream digitizing of lines and polygons.	Operational			
Revenue Management System (REVSYS)	The PlatViewer program allows users to interactively browse Rockford Plat maps that are stored in digital format. The plat information is created by township and the users can select a township of interest by specifying either a Public Land Survey (PLS) section or by browsing through the townships organized in county folders. The application allows users to view the plat information and create printouts that they can take into the field. Platform: Visual Basic with ESRI MapObjects Light add-ons.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Enforcement Violations, Arrests, and Confiscations System	Point of Sale system manages the sale of hunting and fishing licenses. Developed and operated by Central Bank, Jefferson City, MO. System operational in 1700 locations as of March 2000. See also under "Development / Testing", this chapter. FY00/01 budget is $2.7 million.	Operational			
LandView	LandView is a program designed for non-GIS users to view a suite of geographic data that would otherwise require learning complex data storage techniques. Basemaps such as Digital Orthophoto Quads (DOQs), Scanned USGS Quadrangle Maps (DRGs), National Wetland Inventory (NWI), Digital Plats Books, and DNR Land Ownership are tiled (stored in many pieces) because of their large size. This program will foster GIS knowledge. Users will become familiar with information available and will be empowered to use spatial data in their work. Some users will want more and will move on to more complex software such as EPIC and ArcView. This software is not a replacement for ArcView or EPIC, but is designed to fill a gap in our information access technologies. Platform: Visual Basic 6.0.	Operational			
Pathology Lab Management	"Campground Manager," a packaged application developed by Mission Management Information Systems Inc., Ontario, Canada is being implemented. Functions include: camp site reservations, customer tracking, revenue tracking, and various accounting functions and reports. Implemented in 19 state parks in 1999, 15 more in 2000. Parks allocated operating funds to implement after FY00/01 initiative failed. Estimated investment to date is $500,000.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Parks Campground Management	DNR Waters has managed a statewide network of water level observation wells since 1944. About 700 observation wells are monitored currently. Data from these wells are used to assess ground water resources, determine trends, interpret impacts of pumping and climate, plan for water conservation, evaluate water conflicts, and otherwise manage the water resource. Soil and Water Conservation Districts under contract with DNR Waters measure the wells monthly and report the readings. The U.S. Geological Survey also monitors some wells using continuous recorders. Readings are also obtained from volunteers at other locations. Platform: NT network server; FoxPro 2.6; web-enabled access: ASP and Visual Basic.	Operational			
Observation Well Records (OBWELL)	NHIS provides information on Minnesota's rare plants, animals, native plant communities, and other rare features. The database is continually updated as new information becomes available, and is the most complete source of data on rare or otherwise significant species, natural communities, and other natural features. The most commonly-used component of NHIS is the Rare Features Database. It began as a compilation of historical records from museum collections and published information. This has been supplemented with data from years of field work on rare features. Platform: DataFlex / PC-UNIX. System needs to be upgraded. Meetings with Natural Heritage staff May-July 2000 to explore delivery of NHIS data over the web. See also under "Proposed New Applications" in this chapter.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Natural Heritage Information System (NHIS)	Database manages annual work plan proposals and budgets, generates annual spending plans, staff time allocations, and tracks work plan accomplishments for performance reporting. Vision Technologies conducted JAD session March 1999. Perry Canton, Minerals engineer, developed conceptual, logical, and physical data models, and implemented the system in Access '97.	Operational			
Minerals Work Planning Database	An OpenSource development environment for building spatially-enabled Internet applications. The software builds on other freeware systems like Shapelib, FreeType, Proj.4, libTIFF, Perl, and others. MapServer will run on Linux/Apache platforms, is known to compile on most UNIXes, and will run under Windows NT/98/95. MapServer supports MapScript, which allows scripting languages such as Perl, Python, Tk/Tcl, Guile, and Java to access its C API. MapScript provides a rich environment for developing applications that integrate disparate data. If the data has a spatial component and you can get to it via a scripting environment, then you can map it. Originally developed by the University of Minnesota ForNet project (Steve Lime) in cooperation with NASA and the Minnesota DNR. Enhancements made by DNR and the Minnesota Land Management Information Center. Current development is funded by the TerraSIP project, a NASA sponsored project between the University and a consortium of land management interests.	Operational			
MapServer	Maintains information associated with mailing DNR publications. Developed by MIS 1995. Platform: AS/400. Need migration plan.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Map & Brochure Distribution System	System manages sale of hunting and fishing licenses, park permits, and cross-country ski passes at the License Bureau counter. Interface to LRDI, Registrations, Lotteries, and Titling systems. Platform: Visual Basic 6.0.	Operational			
License Point of Sale System	This is an Internet version of the LandView system described above. Both applications are needed due to limited high-speed access to the Internet.	Operational			
Scientific and Natural Areas Database	Processes revenues of over $100 million per year and makes deposits to 400 distinct account distributions. Majority of transactions and revenues grouped in nine business areas: mining rents and royalties; water permits and pumping fees; timber sales; park permits and merchandise sales; vehicle and boat registrations; arrests and confiscations; real estate sales and leases; and fleet usage. Originally developed by Born Consulting; rewritten by CCSI for MAPS. REVSYS is seriously out-of-date.	Operational			
ArcView Extensions (GIS Tools)	DOQ/DRG Tools Extension (Version 1.3 - 12/21/98) Variety of tools for viewing DOQ's and DRG's. Allows the user to create DOQ Themes straight from a USGS County based DOQ CDROM without having to uncompress.	Operational			
Electronic Licensing System (ELS)	DNRnet is the department's Intranet, introduced in November 1998. The DNR Web Team designed an overall architecture, and business units are contributing content. Site is growing, but needs additional staff support if it is to continue to grow.	Operational			
ArcView Extensions (GIS Tools)	DNR Forestry CSA Utilities (Version 1.0 - 07/12/2000) Written for DNR staff using Cooperative Stand Assessment (CSA) data.	Operational			

Natural Resources Department

System Name	Description	Status	Enhancement	Retirement	Comments
ArcView Extensions (GIS Tools)	ArcView Tools Extension (Version 1.3) Contains a number of utility tools: Clipping, Mosaic, Buffer, etc.	Operational			
ArcView Extensions (GIS Tools)	Roadway Symbology Extension (Version 1.4) Creates roadway symbols in ArcView. Supports the automatic generation of four types of road symbols and works off a roads database.	Operational			
ArcView Extensions (GIS Tools)	Garmin GPS Utilities (Version 1.4 - 08/3/2000) Allows users to upload and download Waypoints and Tracks from a Garmin GPS receiver and ArcView GIS.	Operational			
Boat and Water Safety Records	DataAccessTools - Developed for GIS users who need access to spatial data. The software allows users to select a subset of information they need to do the task at hand without knowledge of where the data is and in what format it is stored. Platform: ESRI Arc/Info Arc Macro Language (AML).	Operational			
Commercial Game & Fish Licensing	System used to produce biennial Capital Budget. Developed by Vision Technologies in 1997 at a cost of $63,000. Platform: Access; Visual Basic 4.0. Need to integrate with facilities management system.	Operational			
Conservation Officer Training	Tracks commercial game and fish licenses issued. Developed by CCSI in 1986. Platform: AS/400. Need migration plan.	Operational			
Division of Enforcement Activity Reporting System (DEARS)	Tracks Conservation Officer training. Developed by CCSI in 1985. Platform: AS/400. Need migration plan.	Operational			

Natural Resources Department

System Name	Description	Status	Enhancement	Retirement	Comments
DNR Web Site	Manages Conservation Officer activity, time, expense, and budget reports. Developed by Vision Technologies 1997-2000. Platform: AS/400; Visual Basic 4.0 client. $125,000 investment. Enhancements and Oracle 8i migration planned for FY01.	Operational			
DNRnet	An informative, educational and entertaining web site whose purpose is to facilitate citizen access to natural resource and recreation information. Popular applications are the lake survey reports and maps, river level reports, state parks, community forums, and the GameFinder. Platform: SUN E250; Apache Web Server; MYSQL databases; Perl, Java, Javascript.	Operational			
Capital Budget System	Data associated with watercraft accidents. Developed by MIS in 1995. Platform: AS/400. Need migration plan.	Operational			
ArcView Extensions (GIS Tools)	ArcView - EPPL7 Extension (Version 2.04 - 5/7/99) Integrates ArcView with the raster GIS EPPL7 and works with GeoTiff files. Gives the user some raster analysis capabilities including image rectification, clipping and rotation.	Operational			

Agency Name   Nursing Board

System Name	Description	Status	Enhancement	Retirement	Comments
NHA Licensing	Keep track of currently licensed administrators	Operational			

Agency Name   Nursing Home Administration Board

System Name	Description	Status	Enhancement	Retirement	Comments
NHA Licensing	Keep track of currently licensed administrators	Operational			In the next month, we will be proposing a transition to the Access data base for our licensees. We currently use an outdated Fox Pro and the Board has dedicated resources for this update. Access has already been purchased. Updated hardware (2PC's or o

Agency Name	**Ombudsman Crime Victims**				
CVRB Claims System	Database □This system has been enhanced by the programmer from DPS and is now Year 2000 compatible.	Operational			This is not our system. It is the system used by Crime Victim Services.
Ombudsman System	This system will be replaced by a new database system which will be Year 2000 compatible. The target completion date for the new database system is 6/30/98.	Operational	1999	1998	This new system went online in January of 2000.

Agency Name	**Ombudsman for Mental Health and MR**				
Lotus Notes, V. 4.6.5	Tracking of client information and death reviews; email, internet access, word processing	Operational	2000		With Small Agency Budget Infrastructure Initiative funds, the server, 19 work stations, a scanner and two printers were replaced.

Agency Name	**Optometry Board**				
Licensing System	Licensing & CE System.	Operational	1998		

Agency Name	**Podiatric Medicine Board**				
Licensing Database	Licensing of Podiatrist.	Operational			

Agency Name	**Pollution Control Agency**				

Pollution Control Agency

System Name	Description	Status	Enhancement	Retirement	Comments
AQ Vehicle Testing	Contains all vehicle testing records not .currently stored by the vendor.	Operational			
WO AEPS	Annual Evaluation & Planning Survey	Operational		1998	
WQ Agwaste	Tracks Agricultural Waste	Operational		1998	To Be Transferred
WQ BCDC	Tracks Treatment Plant Construction	Retired			
Arbiter	Allows easier connection to EPA's GRTS (not Retired needed with Lotus)	Operational			
Q Clean Lake Labels	Clean Lake program information	Operational			
IGWIS	This comprehensive information system was developed to centralize all groundwater monitoring related data	Operational			
O Bypass Log	Tracks bypasses of sewage	Operational		1998	
Arc/Info	System used to manage, store, analyze spatial information.	Operational			
Closed Landfill Tracking System	System used to maintain site information and track status for closed landfill program.	Operational			
GW RP2M	Site tracking and project management for cleanup projects.	Operational			
GW SWIS	Tracking system for solid waste facilities.	Operational			
GW Waste Lan	Site tracking and project management for cleanup projects.	Operational			
GWMAP	System used to store ambient groundwater monitoring data.	Operational			

Pollution Control Agency

System Name	Description	Status	Enhancement	Retirement	Comments
IGPRO	Program development to assist in data entry and upload of data into Integrated Ground Water Information System.	Operational			
MES	Maintain and track MPCA Facility Information.	Operational			
Op Cert	Track Landfill Operators and Certification	Retirement status.			
Ruclus	EPA database that tracks the municipal needs list (retired)	Retired			
Solid Waste DELTA	Solid Waste permitting, compliance and enforcement management system.	Operational			
SRSystem	Database to support activity tracking and site status information.	Operational			

Agency Name   Post Board

System Name	Description	Status	Enhancement	Retirement	Comments
Post Project I	Licensing information systems	Operational			
MNET	Electronic E☐mail and networking.	Operational			

Agency Name   Psychology Board

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing Management System	Operational	Retired		2001	Rplbecause of Year 2000 problem
Enforcer		Retired		1999	Rplbecause of Year 2000 problem

Agency Name   Public Defense Board

System Name	Description	Status	Enhancement	Retirement	Comments
Law Office Database	Client and case information gathering, storage, and retrieval.	Operational	1998		

Public Defense Board

System Name	Description	Status	Enhancement	Retirement	Comments
Central Office Database	Case and client statistics	Operational	36130		
Statewide Connections	Web access to LODB	Development			Funded by 1999 Legislature; planned deployment by 1/02
Law Office Database	Client and case information gathering, storage, and retrieval.	Operational	36039		

Agency Name   Public Employees Retirement

Agency reported it receives no state funding		Operational			

Agency Name   Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
Prorate Audits	Maintains Data for operation of the Prorate Program area.	Operational			Vendor
Duty Officer Database	Track spills/reports and requests for state assistance	Operational			Database
GIS Mapping	Create and maintain GIS based maps for power plants 50 IPZ area	Reevaluate			Vendor
State Capability Assessment for Readiness	Capability assessment to determine future goals, objectives and prioritizing activities	Reevaluate			
Plan Review Data Base	Tracks county/local plans with required content of the MNWALK	Reevaluate			Database
TRIP Drivers License	Maintains Driver's names and addresses	Operational			Arcview 3.X
TRIP Motor Vehicles	Maintains vehicle registration information	Reevaluate			Database

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
TRIP Accident Records	Maintains detailed information about accidents taken from individual accidents taken from individual accident reports, law enforcement reports, insurance reports, hospital reports and others	Operational			Database
Prorate/Lockheed	Maintains interstate commercial vehicle tax information so that taxes can be collected and distributed across states. VISTA System.	Operational			Database
System – IRP		Operational			Application
Disability Certificate	Maintains disability parking certificate information	Operational			Database
DVS Bad Check System	DBC	Operational			Application
Real EMWINS	Real time weather RADAR/Flood Gauge Information	Operational			Database
Prorate Permits	Maintains Data for operation of the Prorate Program area	Operational			Application
Dialogic	Automated Notification System for responders	Operational			Web based ASP
Prorate Warrants	Maintains Data for operation of the Prorate Program area.	Operational			Application
Prorate Receivables	Maintains Data for operation of the Prorate Program area.	Reevaluate			Database
Prorate Payables	Maintains Data for operation of the Prorate Program area.	Operational			Application
Prorate Refunds	Maintains Data for operation of the Prorate Program area.	Operational			Database

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
Prorate MCDP	Maintains Data for operation of the Prorate Program area.	Operational			Database
Prorate Enforcement	Maintains Data for operation of the Prorate Program area.	Operational			Application
Prorate Point of Sale	Maintains Data for operation of the Prorate Program area.	Operational			Application
Deputy Download	Deputy Registrar's transmit daily report information along with cash receipts to the Title and Registration Web site. Registration information is uploaded to the host to update records.	Operational			Application
Aspect Telephone System	Processes all phone calls form the public for Customer Services and DEV.	Operational			Application
Accident Report Optical Imaging	Stores Accident Records Files Electronically	Operational			Application
Inspection System	Database of results of facility fire safety insp.	Obsolete			Application
Fireworks System	Database of firework operator licensing & display reports	Reevaluate			Database, Web Application
IFTA (fuel tax)	Maintains Fuel tax information for interstate carriers so that taxes are collected and distributed to states.	Operational			Database
BCA Invest MNSCAP (Minnesota Sex Crimes Analysis Program)	Information regarding sex crimes is recorded in this application and then analysis of crimes can be performed.	Operational			Vendor
BCA Intoxilyzer Oper Training	INTOX – No longer used	Obsolete			Application
BCA lab Breath Inst. Maint	LB – No longer used	Obsolete			Application

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
BCA Lab Case Mgmt System	BCM – To be replaced sometime in the next 18 months. Preparing an RFP for a new system.	Operational			Application
BCA Lab Purchase Order Sys	LPO	Operational			Application
BCA Lab Training	BLT	Operational			Application
BCA Admin Personnel Tracking System	PTS - this application tracks all current positions assigned to the BCA and records pertinent personnel information.	Operational			Application
BCA Pursuit Reporting System	PSUIT	Operational			
BCA Shots Fired Reporting	FDS	Operational			
BCA Suppl Homicide Reporting	HOM	Obsolete			
BCA Invest Time Sheet Data	This program is used to record information generated on the BCA agent time sheets	Operational			Application
BCA Training Information System	ITI	Operational			
Contacts Database	Coordinated contact information for all response personnel and stakeholders	Operational			Vendor
BCA Invest Multifile System	This application provides a synopsis of data available on persons/businesses entered into any of the DEC alpha systems	Reevaluate			Application
BCA Invest Evidence Tracking	EVID - Data regarding the evidence submitted to the non-drug evidence facility is recorded in this application	Obsolete			Application

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
BCA Invest Precursor Reporting System	Used to record the mandated registrations of the manufacture/transportation/sale of precursor chemicals in the state of Minnesota	Reevaluate			Application
BCA Invest SHOTS - Phase 1	This application is designed to track information regarding sex/sex related homicide offenders and crimes and provide a tool for case analysis	Obsolete			Application
CJDN Billing System	BILL	Operational			Application
CJDN Conference Reg System	ICJ	Operational			Application
BCA T&D Crime Alert/US West Fax	IBF – Link to the independent company Expedite for the Crime Alert Network then the answer stands.	Obsolete			Application
Reparations System (VCS)	System for maintaining information on reparations claims payments and receipts, and generating statistical reports.	Obsolete			Vendor
Domestic Abuse Report System	System for maintaining law enforcement reports on domestic abuse cases.	Operational			Application
ERC Tracking System	Track TRI/Tier 2 chemicals per facility; bills facility	Operational			Database
Investigation System	Inventory aspects of Fire Investigations	Operational			Vendor
BCA Court Orders	BCT	Operational			
BCA Invest Corrections Photo	CPS - Information from release photos received from correctional facilities is recorded in this application	Operational			Application
Tier 2 Query	Online query for Tier 2 facility and chemical information. Downloadable forms for fee collection.	Operational			Database

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
Bias Offense Reporting System	BIAS	Operational			
LEADRS	Law Enforcement record system including case assignments and tracking. Being replaced by Alcohol and Gambling records integration program.	Obsolete			DOS
Fire Incident Reporting System	Inventory Fire reports from fire departments	Operational			Optical Network
BCA Ammo Reference	AMMO	Operational			Application
Fire Protection System	Database of sprinkler licensing and permitting	Operational			Vendor Application
CJIS Access (DL, MV, DNR, BK)	Connect DVS-CJIS	Obsolete			Application
Computerized Criminal History	CCH	Operational			Application
BCA Lab- BATS - Breathalyzer	Breathalyzer – Being phased out	Operational			Application
BCA Lab- BATS -Blood	Blood Alcohol Results	Obsolete			Application
BCA Investigative Case Index	Person/Business information entered from Investigative Case Files	Operational			Application
BCA Invest-Explosive Permits	Permit file - Information regarding licenses issued by the BCA and permits issued by local police departments and sheriff's offices are recorded in this application.	Operational			Application
BCA Invest Gun Relics System	Information regarding the mandated registrations of weapons appearing on the Federal Curios and Relics list is recorded in this application	Operational			Application

System Name	Description	Status	Enhancement	Retirement	Comments
BCA Invest - DL Photo System	Information regarding requests for copies of Driver License photographs is recorded in this application	Operational			Application
LEMS Message Switch	CJDN switch	Operational			Vendor Application
BCA Chemical Inventory	BCI	Reevaluate			
Background Check Program	Runs CJIS criminal history checks, maintains record of activity, and prints reports. Being replaced by Alcohol and Gambling records integration program.	Operational			DOS
BCA Invest / Lab Billing & Invoice	BBI – No longer used	Operational			Application
Liquor Licensing System	Tracks the issuance and renewal of retail liquor licenses, Brewers, Distillers etc. Being replaced by Alcohol and Gambling records integration program.	Obsolete			DOS
Exchange	Email system	Obsolete			Database
HEAT	Problem tracking software used by OTSS Help Desk, Fiscal & Admin Services, and DEM	Operational			Access Database
Y2K Firmware	Maintains Department wide firmware inventory	Operational			Database
Y2K hardware	Maintains Department wide hardware inventory	Obsolete			Database
Project Tracking	Maintains work activities and schedule for projects. Management of information technology project work activities and schedules.	Obsolete			Application
Personnel Tracking System	Used to track audit status and manage vacancies	Operational			sheet

System Name	Description	Status	Enhancement	Retirement	Comments
FAS Records Warehouse	Inventory of all records stored at the warehouse. Retention & disposal of records.	Operational			Spread-
Inventory System FAIS	Inventory of all items over $2,000.00 and sensitive items. Keep an accurate and up-to-date inventory of department assets	Obsolete			Database
Town Square Key Card System	TSQ employee access card	Obsolete			Database
Photo ID System	TSQ - Identification cards for all employees	Operational			Database
FAS CTS	Grant Tracking Program. Used to track the status of a grant.	Operational			Database
FAS Warehouse Inventory	Warehouse inventory management system. Tool for managing the ordering, stocking & resale of materials & supplies	Operational			Database
Hot Files	Contains info regarding warrants, orders for protection, MN gang members, impound vehicles and automated attempts to locate.	Operational			Application
School Bus Inspection System	Tracks and maintains school bus inspections	Operational			Application
Arson Suspect Pointer System	Database of reported arson suspects	Operational			Application
Tank Plan Review System	Inventory status of Tank Plan Reviews	Operational			Application
SFMD Internet Web Site	Stet website for SFMD	Development			Application
OPS System	OPS System Database for tracking Inspections	Reevaluate			Application
GIS Mapping	Mapping pipelines and public/environmentally sensitive areas	Obsolete			Application

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
Pipeline Safety Web Site	State website for Pipeline Safety	Operational			Application
Intranet and Extranet Grant Management System	A web-based system that automates four specific parts of administering grants programs: Grant Application, Grant Review, Grant Award, and Financial and Progress Reporting.	Obsolete			Application
Commercial Vehicle Crash Analysis	Geographic Information System (GIS) application which categorizes crashes and locates them on a State Highway Map	Operational			Database
Asset Mgmt System	Tracks and manages State Patrol assets	Operational			Arcview
Criminal Justice Reporting	Crime Reporting	Operational			Application
Incident Record Management	Maintains incident reports	Operational			Internet application, Database
Time-keeping	Tracks employee time	Operational			Application
Activity System	Tracks Trooper activity	Obsolete			Application
Grant Tracking System	Reimbursement of money spent on federally funded projects	Operational			Application
Commercial Vehicle Inspection Systems	Manages commercial vehicle inspections	Obsolete			Internet application
Claims System	Tracking the finances on federally funded projects	Operational			Application
SP personnel system	Maintains State Patrol personnel data	Obsolete			Application
CAP Key Card System	Manages controlled access to building locations	Operational			Application
CAP Inventory	CIN-Manages assets (FANS)	Operational			Application

Public Safety Department

System Name	Description	Status	Enhancement	Retirement	Comments
CAP Incident Reporting	Aleir manages information related to incident reporting	Operational			Application
CAP Emergency Information	Manages emergency contact information for locations and personnel	Operational			Application
CAP Daily Events and Scheduling	Manages scheduling of daily events and personnel	Operational			Application
Training Records	Registrar application manages training records and related information	Operational			Application
Pursuit Records Sys	Manages statewide information related to MSP pursuits.	Obsolete			Application

Agency Name   Public Service

System Name	Description	Status	Enhancement	Retirement	Comments
Assessment System	Microsoft FoxPro database for billing utility companies for services.	Operational			
Imaging System	Mars imaging system. Provides access and backup of rate case filing papers.	Operational			
Docketing System	Microsoft FoxPro database for tracking utility rate cases.	Operational			
WINWAM	System for gathering data collected by field inspectors.	Operational			
Lab Mate/Lab View	System for compiling data collected from laboratory analyses.	Operational			
PIS	Microsoft FoxPro database	Operational			
Vehicle Maintenance	Microsoft FoxPro database for tracking vehicle maintenance.	Operational			

Public Service

System Name	Description	Status	Enhancement	Retirement	Comments
Web Server		Operational			
Inspection Billing System	Microsoft FoxPro database for billing for Weights and Measures services.	Operational			
ANTELOPE	Data gathering system.	Operational			

Agency Name   Public Utilities Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Service List	Tracks PLIC Docket information and tracks service lists.	Operational		2001	Legacy system. To be replaced by MS Access 97 application, under development.
Complaint Tracking System	Tracks consumer complaints from inception to resolution.	Operational			MS Access 97.

Agency Name   Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Bi-Weekly Time Reporting (Excel)	Time Reporting Vol2\IITax\Timekeep	Operational			Replacement needed
ARC-111 Remittance	Enter payment information into the "Mail Payment Log". This includes dollar amount, business or individual, account or ss number, name, city, secure payment information, project type, and responsible collector.	Operational			
ASIST	A report writer	Operational			
Assessment Abstract Edits	Series of programs which edit assessment data sent by assessors. All property tax payers are covered by this application. There are approximately 6,000 unique taxing areas.	Operational			
ATM	Adobe Type Manager to manage the postscript fonts in windows	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
ATT Remittance Processing/RPX	Sales Tax remittance processing on NCR. Remittance processing reads MICR related data, encodes MICR data and works exclusively with payments and payment stubs.	Operational			Enhancements needed
Audit Program	Program used by all outstate auditors	Operational			Replacement needed
Auditronic 32 (AKA A-32)	This is a mainframe software (stored at Intertech in COB). Auditronic 32 is also a programming environment where the programmer/user can define the code with 4-digit or 2-digit year	Operational			
CA/7 - Job Scheduler	MVS Job Scheduler	Operational			
Bankruptcy & Chapter 13 reporting	Bankruptcy tracking	Operational			Replacement needed
Appeals Inventory	Inventory of Active and Completed Appeals	Operational			
Biennial Budget System	Biennial Budget System	Operational			
Bill Explanations	Files for summarizing and explaining property tax bills introduced each year by the legislature. Run daily from January to June. Used by DOR for legislative presentations.	Operational			
Billing (Collections)	Mainframe Billing of collections accounts	Operational			
BMF/BRTF	This system holds federal 1041, 1065 and 1120s information for auditing purposes and fed id matching.	Operational			
C	A programming language	Operational			
C Development Toolkit	Programming Environment Utility	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
CACS+	Collections Plus system	Operational			Enhancements needed
Auditronic 32 OS (AKA A-32)	Auditronic 32 (A-32) is a mainframe application which is stored at Intertech in COB. A-32 was produced by Ernst & Young and is leased through them.	Operational			
Acrobat	File exchange and electronic publishing	Operational			
Freelance	Graphics Utility	Operational			
Financial Accounting	Tax systems controls and reconciliations	Operational			
Abstracts Tax Lists/Manufactured Home Abstract Edits	Series of programs which edit tax lists and manufactured home data sent to DOR by the counties. Runs daily April thru June. Contains data on all tax payers and includes information from 6200 unique taxing areas.	Operational			
Access	A database management system from Microsoft	Operational			
Accounting/Procurement (MAPS)	Entry of adjustment to A/R to be sent to Mainframe A/R system.	Operational			Overhaul needed
ACD System	Automated Call Distribution	Operational			
ACF2	Mainframe Security Utilities	Operational			
Appworx	Unix Batch Scheduler	Operational			
ACL 5.0 Workstation Version	PC software that allows you to read, analyze and report on data from any mainframe, mini or PC. Used in auditing SUT taxpayers.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Applix iEnterprise	Applix is an integrated customer service package that includes 7 different applications. We will start by using the iHelpDesk piece.	Operational			
Adobe Illustrator	Drawing and Painting Utility	Operational			
Adobe PhotoShop	Drawing and Painting Utility	Operational			
Aircraft Database	Aircraft taxes	Operational			
Airflight Property Valuations	Spreadsheets that compute airflight property values. Run many times from July to December. Forty airlines are covered by this application.	Operational			
AIX	AIX Operating System	Operational			
ALC Time Reporting	Access Database for tracking activities times for Appeals, Legal & Criminal Division	Operational			
Amortization and Supplementary Amor	Programs used to calculate these aids. Majority of work is done during January and February. Covers approximately 30 cities.	Operational			
PC/FOCUS	A programming language	Operational			
ACL 5.0 LAN Version	PC software that allows you to read, analyze and report on data from any mainframe, mini or PC. Used in auditing SUT taxpayers.	Operational			
PASCAL	A micro computer programming language	Operational			
Enterplan/DR	Disaster Recovery Software	Operational			
ER/Win	Used to generate and maintain data base schema	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
ESQL/C Development Compiler	Compiler for compiling ESQL/C logioc modules into executable	Operational			
ESQL/C informix	ESQL/C developer used by Monarch for TRPS application	Operational			
eXceed	X-Windows server emulator for DOS/Windows workstations	Operational			
Excel	Spreadsheet software from Microsoft	Operational			
EZTRIEVE	A programming language	Operational			
C++	Programming Language	Operational			
FaxPress	Fax Software	Operational			
Electronic Data Interchange	EDI at DOR recieved electronic filing transmissions from taxpayers or their service agencies over telephone lines in EDI ANSI standard format. EDI then edits each transmission's returns, sends an edit acknowledgement back to the originating transmitter, a	Operational			
Payment Processing	PP is used for transaction entry for all documents associated with four tax types which are individual estimated deposits, corporate estimated deposits, accounts receiveable and MCE payments. Payment transactions for A/Rs and deposits for individual and	Operational			
Federal Annuity	Withholding of federal annuitants	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Federal Audit Reports on Computer (FARC)	Federal Audits manually entered into FoxPro db. After 400 audits, data sent to MF for tax order processing (about twice a year). This FoxPro application is used daily by several staff in the Income Tax Compliance unit who manage the relationship between	Operational			
FoxPro	Language and data base tool used to develop LAN based applications	Operational			
Fiduciary Tax	Fiduciary return processing. Some of this information is uploaded to TPA.	Operational			Replacement needed
State Fire Aid	Programs used to calculate and distribute state fire aid. Run during months of July and August and covers approximately 765 fire departments. Currently in process of converting ASIST to EZTRIEVE.	Operational			
PB 2000	Year 2000 Analysis tool for Powerbuider (*** NO LONGER REQUIRED **)	Operational			
Family Preservation Aid (FPA)	Programs used to calculate FPA and create forms for certification. Run during June and July and covers 87 counties and impacts all taxing districts.	Operational			Enhancements needed
Computer Assisted Selection (CAS)	Used to select audit cases.	Operational			
File Folder	Individual Income Tax Registration data	Operational			
Gift and Inheritance Tax	Maintains gift / inheritance and estate tax accounts. Used to process Gift, Inheritance and Estate tax returns	Operational			
CICS	On line transaction monitor and manager. Customer Information Control System.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Cigarette Tax	Manages cigarette tax stamp inventory sales to cigarette distributors, processes distributor tax returns and processes manufacturer invoice data. Maintains license base of distributors. Performs all accounting functions for Cigarette tax	Operational			Overhaul needed
Claims for Refunds (ST)	Keeps track of business taxpayers who apply for various types of sales/use tax refunds	Operational			
Clipper	A database management system	Operational			
COBOL	A programming language	Operational			
Electronic Funds Transfer	Initiates transfer of funds from taxpayer accounts to DOR accounts. Also Matches EFT payments with tax returns. Assigns validation number and files them in batches. Taxpayer history and unmatched payment report also available.	Operational			Overhaul needed
Compliance	Sales Tax Compliance (part of the Sales Tax - Profile C/S application)	Operational			Overhaul needed
Electronic Filing System	Front end for TRIPOD & IITS system that receives M-1/M-1PR/Telefiled returns electronically.	Operational			Enhancements needed
Consumption tax model	Used in estimating the impact of law changes in the sales tax area.	Operational			
DMS	Backup and Restore utilities	Operational			
Dragon Dictate	Voice Recognition Software Engine for Windows	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Drivers Vehicle Services	Drivers license and registration NOTE: This system was developed by DOT and Revenue has view ability only. Used to determine addresses and validate SSN's. (Data Security is point of contact for DPS.)	Operational			
Duplicate Homestead	Detect multiple homestead taxpayers	Operational			Replacement needed
DYL280	Mainframe Scripting Utility	Operational			
EcoTool	Server Utility Software	Operational			
Fiduciary Viewing	Used for viewing old year Fiduciary information	Operational			Replacement needed
Code 1	Edits address and formats address for postal mailing compliance.	Operational			
Norton Utilities	A group of utilities to manage the desktop	Operational			
Net3270	Middleware	Operational			
NetSatisFAXtion	Net work fax server	Operational			
Netware	Network Operating System	Operational			
Nexus	Database of corporate franchise tax nexus investigations	Operational			
Nexus Information System	Tracking of Corporate Nexus Investigations	Operational			
Non Resident Entertainer Tax System	Tracks the withholding tax paid by Non Resident Entertainers	Operational			
Nonfiler Archived - IRMF	Daily non-filer activity tracking. Federal Non-filers from 1988-89	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Gambling Tax	Track Gambling returns filed. Gambling Tax system processes monthly tax returns submitted by charitable gambling organizations. Receives licensing information from the Gambling Control Board System. -- Keeps track of the Gambling tax returns filed by lic	Operational			Enhancements needed
NonResident Partnership	Non Resident Partnership Historical Information	Operational			Replacement needed
MVS (OS/390)	S/390 Operating System	Operational			
Fortran	A mathematical and engineering based programming language.	Operational			
Forms Inventory	Tracks the inventory of all forms used by and issued by the Department. Keeps track of when forms were ordered, when the forms were received, when the forms were received and whom the forms were issued.	Operational			Enhancements needed
Forms Distribution	Forms Distribution	Operational			
FontMinder	Manages fonts	Operational			
FolioVIEWS Infobase Manager - Workstation Version-laptops	Used to create Listings of Statutes, Rules and Fact Sheets - currently on 17 servers - will be replaced with FolioVIEWS when Windows 95 rolls out.	Operational			
FolioVIEWS Infobase Manager - LAN Version	Used to create listings of Statutes, Rules and Fact Sheets - currently on 17 servers - will be replaced with FolioVIEWS when Windows 95 rolls out.	Operational			
FolioVIEWS Builder - Workstation Version	Allows changes/development on FolioVIEWS information; currently on ISD Lab workstation for testing purposes (Upgrade to FolioVIEWS 3.1 Infobase Production Kit)	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
NonFiler-IRMF	Daily non-filer activity tracking. Federal Non-filers dating back to 1990-95	Operational			
Main Frame Utilities	Utilities used manipulate files	Operational			
MCE Accounts Tracking (MATS)	New non-DOR debtor account tracking system for CACSplus cases not associated with DOR liabilities.	Operational			Enhancements needed
MicroFocus COBOL	Client/Server programming Language	Operational			
Migrate	Used to migrate objects across the various client server platforms, from development to production.	Operational			
Mini Abstract and 5-year comparison	Programs which edit the mini abstract and produce the 5-year comparison reports used for State Board of Equalization. Used during April thru June and contains information on all property tax payers in 3,000 taxing districts.	Operational			
Minnesota Care	Keeps track of MNCare taxpayers and their accountings.	Operational			
Mosaix - Predictive Dialer	Turnkey system consisting of Unix server (HP9000-747), telephone switch, PC, modem, PC application software, etc. Uses input from CACSplus to automatically call debtors and route calls to collectors. Creates output file to CACSPlus. Located in DOR Ely of	Operational			
Mantis	Online development tool used with COBOL/CICS applications	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Navigation System: MF	The Navigation System is a collection of utilities and routines used to support the mainframe "Integrated System". It provides functions like: logon, logoff, menus, program-to-program flow control, security and system access control, process usage, CACS	Operational			
Mainframe Data Backup System	Daily backup of all SUPRA/TOTAL and shared VSAM files for production and test.	Operational			
Navigation System: C/S	Utility to provide a means to share key information between Windows applications	Operational			
LRP/CRP	Used to keep track of LRP/CRP recipients and create a mailing list.	Operational			
Lotus Notes	Software that is used for electronic mail and application development	Operational			
Local Government Aid (LGA) Certification	Programs used to calculate LGA amounts and create forms for certification. Project is worked on from June to August. Contains information on approximately 2600 taxing districts.	Operational			
Library Control	Library control utilities for all platforms. Moves programs entities among environments, provides miscellaneous programmer functions. All platforms involved.	Operational			
Railroad Valuation	Spreadsheets that compute the railroad values for approximately 20 railroads and 2000 properties. Run daily from April thru June	Operational			
Levy Survey	Semi-annual survey of proposed and final levies for counties, cities, towns, SDs, and special taxing districts.	Operational			
PEFS Return Processing	PEFS Return Processing	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
OnTime	A calendaring and meeting scheduling software	Operational			
Manifest	Mailing software for outgoing packages	Operational			
Income Tax Data Entry	Data entry application for income tax filing process. The TARTAN system Uses a Z80-A processor. The operating system is REI's own operating system.	Operational			
Levy Limits	Documents and files used to determine and certify levy limitaitons, provide instructions and forms for the claiming of special levies authorized outside of the overall levy limitations, and for the certification of approved special levies.	Operational			
Insurance	Processes tax returns received from insurance companies. Also will receive data from NAIC system in Kansas City. Insurance Premium Tax system for licensed insurers -- doing business in Minnesota. The program also keeps track of the tax type accounting	Operational			Enhancements needed
Informix	For PARTNR's Tax Return Processing System (TRPS)	Operational			
Information Warehouse	Warehouse of DOR data used for end-user queries. Maintains information for "on demand" reporting.	Operational			
InfoPac	Mainframe report distribution utility	Operational			
Income/Property Database (aka Voss database)	This database contains data on homeowner market values,property tax, income, and county/city/schooldistrict location.. It is created every two years.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Income Tax Templates	Excel spreadsheet templates for tax years. Templates for each of the tax years between 1980 and 1995. Full sets of Minnesota forms exist for all years since 1985; the set is limited for prior years. Some federal forms. This application is also install	Operational			
Interactive Voice Response System	Wygant is the vendor of the software, route calls to the various divisions in Collections, Sales, Individual, Bus. Registration, MNCare and Withholding. If someone calls up and wants to find out when their return is to be processed they can punch in thei	Operational			
Income Tax Sample	Research data entry project for sample of income tax data not normally captured. Data entry project involving entry of federal and state tax information not captured during normal processing. There is a new version of this application each fall. In Oct.	Operational			
Interlink	Data Communications Software	Operational			
Income Property Tax (IPT) - Early Returns	Income Property Tax (AKA Early Returns) is used to determine return status. Used when a taxpayer wants to know if we have received his/her return. Information hits this database before reaching the Integrated System. Also used by the phone system.	Operational			
House Income Tax Simulation (HITS) model	Estimate impact of law changes in income tax area. During the legislative session being without it for even a day could be a major problem. Off-season, a few days or more might not be too critical depending on what special projects and deadlines we had	Operational			
HotMetal Pro	HTML Editor	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Honeywell XSM Security System	Physical security system for 600 N. Robert	Operational			
Hijack	Converting graphic file formats.	Operational			
HACA Certification	Series of programs which calculate HACA amounts and create forms for certification. Application runs daily from May thru August. Contains data on nearly all local units of government: counties, cities, townships, school districts, and special taxing dist	Operational			
Global Payment Processing	Payment Processing Application for DOR tax payments	Operational			
Market Values by Parcel	Computer files which include market value, use classes, and net tax capacities for all parcels of real estate in each county. The files are used as the data source for market values when calculating sales ratios.	Operational			
Income Tax System (IITS)	Income Tax Processing System. Maintains information on Individual Income Tax and Property Tax Refund filings	Operational			Overhaul needed
FloWare Activity Manager	Activity Manager for Tax Return Processing System(TRPS)	Operational			
General Ledger Accounting System - Platinum	General Ledger AccountingSystem used to record monthly transactions for accounting purposes.	Operational			
Open Client	Software that operates on the client and interfaces the server data base to the client software.	Operational			Replacement needed
Open Client/Server for AIX	Handles the interface between SQL Server and application programs.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Open Server for CICS	Software that provides connectivity to CICS from the SQL Server	Operational			
Operators Console	Allows for the starting/stopping of daemons, the viewing of error the logs and the queue of transactions that have not been posted to the mainframe TPR application.	Operational			
PageMaker	Publication and graphic design	Operational			
Panvalet	Source Code storage, retrieval, and edit facility	Operational			
Integrated System Utilities	DOR Utilities used on MF to handle navigation, table maintenance, etc. Standard utility programs used in the integrated systems, and to manipulate files	Operational			Overhaul needed
FloWatch	Activity monitor used for Tax Return Processing System(TRPS)	Operational			
Legislative Session (Support)	The Legislative Session support is not a single application, but more of a process that includes several applications.	Operational			
Fixed Asset Management System	System designed to manage fixed assets.	Operational			
Financial Reporting Graph Meas	Performance Measurement graphical presentations	Operational			
LapLink Professional	For remote control or machine to machine link	Operational			
Job Control	A procedural language to communicate with the operating system the execution order of application programs and the files used by those programs.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
IVR System	Interactive Voice Response	Operational			
IT Time/Inv Reporting (FoxPro)	Income tax time reporting. This FoxPro application is a time/inv reporting tool used by both regional and local Supervisors and Secretaries.	Operational			
ISD Time Reporting	Project/Task and activity time reporting. Data base used to collect and report time data	Operational			Enhancements needed
Internet NorthStar Content for DOR	DOR's portion of the NorthStar State-wide Internet Delivery Pages	Operational			
Partnerships/ S Corporation System	This is a system for processing Partnership and S Corporation returns. Some of this information is uploaded to TPA.	Operational			Replacement needed
Development XREF	Utility to cross reference (where used) development components within applications	Operational			Enhancements needed
Custom Plus	Software used in the ACD phone system to manage groups	Operational			
Customer Survey	contains customer survey information	Operational			
Customs	contains customs information for SUT	Operational			
DataCard Badge System	Used by HRM to input Facility Security Access information and print security badges.	Operational			
DB2	Enterprise Database Engine	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Declaration Payments	Maintains information on estimated individual and corporate income payments. Corporation and Individual generation of Dec Payment forms. There is an annual job identifying tax payers who have claimed declared income tax payments, and to prepare records	Operational			
Delinquent Personal Property Taxes	Files for each section of the Delinquent Personal Property Tax Manual (Manufactured Homes). Used periodically during the year by county treasurers. Sections are updated on a quarterly basis.	Operational			
State Board of Equalization and Tax Court Studies	Calculates and reports Median Ratios by property type for cities and counties. Used for equalization by above named groups. Input file of over 100,000 certificates. Output reports to county assessors. Programs were rewritten within the last two years	Operational			
Deposit Control	System prepares the daily bank deposit and maintains deposit data for the fiscal year.	Operational			
Crisp Editor	Editor for the R6000	Operational			
Disparity Reduction Aid certification	Series of programs which calculate disparity reduction aid amounts and create forms for certification.	Operational			
DMPCY	A utility written by a consultant that permits file interogation.	Operational			
Special Homestead Classification	Data Base of Applicants for the special homestead class for disabled individuals. Contains information on approximately 5000 homeowners. Volume is heavy for one person who works on the program	Operational			
SPF/WIN	Text Editor for PC applications	Operational			Replacement needed

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
SPFPC	Editor	Operational			
SQL	Data base management system	Operational			
SIGMA - Application Processing	Central state system for processing state employment applications. Owned by DOER. (5/21, C.Hilger - application processing, DOS - clipper-based, no historical data)	Operational			Replacement needed
Delinquent Real Property Taxes + Ta	Files for each section of the Delinquent Tax and Tax Forfeiture Manual. Used periodically through out the year by county auditors and land commissioners. Sections are updated on a quarterly basis.	Operational			
PEFS Viewing	PEFS Viewing	Operational			
Skill Search (Resumix)	Central state system for handling resumes and skill searches. Owned by DOER.	Operational			Replacement needed
SNA Services for AIX	Software from IBM that handles the protocol between the RS6000 and the Mainframe	Operational			
Sniffer	Network Telecommunications Utility	Operational			
Control Number System	Maintains control numbers for document assignment. Generates control numbers for each batch of returns and receipts. The Control Number System is used by Document Processing to keep track of documents. Interfaces with EFT, OCR Scanning and EFS.	Operational			Overhaul needed
CorelDRAW	Drawing and Painting Utility	Operational			
Corp FEIN	Used to verify federal ID numbers.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Corp Tops Inventory	Database of Corporate Franchise Tax orders issued.	Operational			Replacement needed
Crystal Reports	Report writer	Operational			
Corporate Audit Report Template	Used to generate corporate audit reports	Operational			
Cross Check	Tacks inventory of gambling equipment from manufacturer to distributor gambling organization doing business in Minnesota. Assures that proper tax has been paid on gambling equipment and that all equipment used is approved by the State of Minnesota. The	Operational			Replacement needed
Corporation Income Tax	Corporation Income Tax Processing System	Operational			
Query	File Lookup/Maintenance Utility	Operational			
Corporation Inventory	Database of Corporate Franchise Tax audits conducted.	Operational			Replacement needed
County Auditor and Treasurer Traini	Files for the syllabuses and examinations for teaching the county auditors and treasurers training courses. Used periodically during June through September by county auditors and treasurers. Syllabuses and examinations are updated each year.	Operational			
County Criminal Justice Aid (CCJA)	Programs used to calculate CCJA and create forms for certification. Run during June and July. Covers all 87 Minnesota counties and impacts all taxing districts.	Operational			Enhancements needed
CRIM/Case Tracking	Data base that assists in division reports and monitoring cases being AD.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Criminal Justice Information System	Computerized filing sytem of criminal justice information	Operational			Overhaul needed
FileAid	File Maintenance utility	Operational			
Corp-Nexus Inventory	Database of corporate franchise tax nexus investigations conducted	Operational			Replacement needed
Sybase Net Gateway	Software that translates TCP/IP (Unix communication protocol) to SNA (mainframe communications protocol)	Operational			
Tax Levy Authorizations and Limitat	Summary of all laws and statutes that apply to local governments and special taxing districts.	Operational			
Tax Increment Financing	Documents and files used to provide instructions and forms for reporting and recording local contributions made to TIF districts, and for submitting TIF Supplements and recording the information reported. Potentially affects all municipalities with TIF d	Operational			
Tax Incidence Database	Database created every two years to analyze the incidence of all state taxes. It's mandated by the legislature.	Operational			
Targeting Model	Used to model targeted property tax refunds	Operational			
System Z	Converted TI-990 applications only	Operational			
System Architect	Used to create and maintain data models	Operational			
Sysback	Utilities on the R6000 used to backup and restore data.	Operational			
State Board of Assessors	Education and Licensing Data	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Sybase/MF Bridging	Utilities used to bridge betwen sybase and mainframe applications	Operational			
Taxpayer Accounting (TPA)	Taxpayer Accounting Processing system. Tracks taxpayer accounting information	Operational			Enhancements needed
Sybase DBMS	Sybase database management system	Operational			
SUPRA	Data base management system	Operational			
Supplemental Benefits Reimbursement	Programs used to log and prepare a payment file of these reimbursements. Run during November to February and overs approximately 270 fire departments.	Operational			
Sunrise	Backup/Recovery Utility	Operational			
Summary of Property Tax Laws	Files for each section of the summary of the changes in the property tax laws made by the legislature each year. Run daily from July thru December. 900 copies of the summary are published each year.	Operational			
Statutes, Rules and Fact Sheets	Listing of Statutes, Rules and Fact Sheets; is on currently in the ISD Lab for time being - testing - will eventually go on 17 servers (Upgrade to FolioVIEWS 3.1 Infobase Manager -LAN version)..will be rolled out with Windows 95 (doesn't work with Windows	Operational			
State Peace Officer Aid	Programs used to calculate and distribute state peace officer aid. Crucial months are July and August and approximately 460 police/sheriff departments are covered.	Operational			
Syncsort	Sort and extraction/reporting tool	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Utility Valuations	Spreadsheets that compute Utility Company values for 87 counties.	Operational			
File Maker Pro	Flat file database	Operational			
Windows 98	work station OS	Operational			
Windows 95	Now replaced by Windows 98	Operational			
Watermark	Imaging Software	Operational			
Voice Mail System	Voice Mail System	Operational			
Visual Cafe	Software Development Environment Utilitiy	Operational			
Visual Basic	A programming language	Operational			
Tax Order Processing System	Maintain information on liability recomputations for taxpayers with returns adjustments	Operational			Enhancements needed
Ventura	A desktop publishing tool	Operational			
Tax Return Processing System, ATT Document Scanning/TRPS	This application scans sales tax returns	Operational			
Utilities	GUI Application Control (GACS), Security, Error Log	Operational			
TSO/ISPF	An online facility used to display & manipulate mainframe files and Jobs	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Truth in Taxation Certifications of	Truth in Taxation Cerifications of Compliance Forms for years 91, 92, 93, 94 and 95. Run daily December thru March. Contains information on 1400 local governments (counties, school districts, cities and metropolitan special taxing districts.) 42,000 to	Operational			
TRIPOD	State & Federal Income tax filing information display. Displays state and federal individual income tax filing data by year, also state M1-PR forms.	Operational			Enhancements needed
Transact SQL	A Structured Query Language from Sybase used to retrieve and report on information in the Sybase databases	Operational			
Touch Tone Filing	Allows a pilot group of taxpayers to file their returns or cancel responsibility by phone.	Operational			
Taxpayer Registration (TPR)	Taxpayer Registration. Registration of individual tax payers, inquiry of business taxpayers. Note: Some agencies/individuals outside of DOR have inquiry capability.	Operational			
Corporate Returns Filed	Database of Corporate Tax Returns filed from 1983 to 1995 and updated yearly.	Operational			Enhancements needed
Visio	Drawing Utility	Operational			
Powersoft Powerbuilder Desktop	Application Development Language and Environment	Operational			
Property Tax Refund Model	Used to analyze proposed changes to the property tax refund program	Operational			
Windows NT	Operating system	Operational			
PERL	Scripting Language	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Petroleum Processing	Tax return processing. Listing of accounts, billings and refunds. System reports are also generated from processing.	Operational			
Pkzip	Zip and Unzip utilities	Operational			
Political Contribution Refund	Maintains information on political contribution refunds.	Operational			Enhancements needed
Political Contributions Refunds (data entry)	Political Contributions Refunds (data entry) - Political Contribution data entry system.	Operational			
PowerBuilder	Development Tool used to design Client/Server Applications using Sybase	Operational			
Withholding Refund Tracking	Track Refunds for Withholding	Operational			Enhancements needed
Powerpoint	Presentation development and maintenance software from Microsoft	Operational			
Withholding Tax	Track withholding tax transactions	Operational			Overhaul needed
Powertool	Client Server development library	Operational			
Print Engines	Handles the printing of sales tax information - Rewritten for 32 bit operations	Operational			
ProComm for Windows	General purpose communication software for BBS access,etc.	Operational			
Corporation Inquiry(CI)	Corporation Inquiry returns processing.	Operational			
Progress	For Document Processing Remittance Processing only	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
SEMA4 - Payroll	Process payroll transactions. Owned by Department of Employee Relations (DOER)	Operational			
Property Tax - Data Entry	Data entry appplication for property tax filing process.	Operational			
Property Tax Aid Distribution & Payment	Series of programs which create a file that can interact with the statewide accounting system to print aid checks for local governments. Payment programs run many times monthly, July and December being especially busy. All property taxpayers affected by	Operational			
Property Tax Manual	Tecnical manual for property tax administers	Operational			
PowerPlan Analyzer	Database Query Analyzer	Operational			
Concord Network Health	Historical reporting tool for network activity	Operational			
Penalty and Interest	This is a subroutine used by all integrated tax systems to calculate due dates, penalty, and interest for Taxpayer Accounting (TPA) tax types.	Operational			
Performance Measurements	Various procedures used to capture and report on DOR performance statistics	Operational			
Xtree	File Management Utility	Operational			
Network Infrastructure	Replaced when we moved into building in 1999. Consists of fiber optic cabling and a switched network.	Operational			
Fireproof	Firewall load balancing software	Operational			
Web Server Director	Web Server load balancing software	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Secure	Firewall	Operational			
Network Associates Sniffer	Packet Analyzer	Operational			
Windows NT Server	Server Operating System	Operational			
Concord First Sense	Performance reporting tool for Windows Applications	Operational			
Project	Microsoft's project information management system	Operational			
Site Scope	Red/Green indication of network components	Operational			
Cisco IOS	Operating system for routers and switches	Operational			
Xpediter/SQL	Debugging tool for SQL	Operational			
X Windows for AIX	GUI for AIX, FIPS 158, For UNIX workstations	Operational			
Working Family Credit	Filemaker Pro Database describing working family credit network -- names of people and what they order	Operational			
Work Scheduling	Used to schedule staffing for data entry and processing functions based on projected mail receiving patterns.	Operational			Enhancements needed
Word	Word processing software from Microsoft	Operational			
Withholding Viewing System	Withholding EDI Returns Processing	Operational			
Withholding Tax Order System	System processes Withholding Tax Orders.	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Forethought/Foundation	Switch Management Tool	Operational			
Sales Tax	Processes sales tax filings and payments, and maintains sales tax filing information.	Operational			
RE Cards	System keeps track of employee time spent on various tasks associated with their work. Usually data entry of different tax types	Operational			
Reachout	Provides remote access(remote control) to employees to a LAN attached workstation. It allows users to access their MDOR Win 3.1 desktop. Remote communications in remote control mode using modems.	Operational			
Remi Model	Macroeconomic forecasting model from Regional Economic Models, Inc. Copies are shared with several other state agencies.	Operational			
ProFile	On-line system which keeps track of Business Taxpayer demographics. It also keeps track of filing and compliance information.	Operational			
Research and Development Database	Database to keep track of R&D audit information. The R&D area assigns project codes based on SIC codes. Assigned projects are tracked via this database. One database with approximately 20 tables. Each table includes approximately 6 reports and an inpu	Operational			
Return History Upload	TARY1006: Tax return history upload to mainframe.	Operational			
Revenue DBA Management Tools	Schema compare programs and buffer utilization reports, reset statistics and print statistics.	Operational			
RUMBA	Micro computer mainframe protocol (3270) emulator	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
Rational Analyst Suite	Rational design tools (Rose, etc)	Operational			
Sales Ratio Study	Series of programs to inventory, enter and edit CRV dataThe application includes a series of programs to inventory, enter, and edit the CRV to create a data file for calculating sales ratios. Reprogramming is almost finished. Initial main frame programs w	Operational			
Refunds Processing (RPM)	Refunds system. Processes refund requests and taxpayer claims. Will issue a warrant or a notification based on the amount remaining on the refund request after the offsetting of all taxpayer claims.	Operational			
Sales Tax (filing background process)	This sub-system operates in the batch (or background) mode, performing a number of operations associated with sales tax filing processing.	Operational			
Sales Tax Regional Inventory	Database for tracking taxpayers which are being audited, and who is assigned to the audit. Both Sales Tax audits and field Income Tax audits are included. (Phyllis' Database). File presently has information on approximately 10,000 audits. Records are	Operational			
Sales Tax Template FoxPro Version	An audit tool for sales/use tax Revenue Tax Specialist to use when auditing taxpayer for sales/use tax compliance. Version 1.0 released October 1997; Version 2.0 released March 1998	Operational			
SAS	A file retrieval and statistical report writing application	Operational			
SAS for Windows	A statistical manipulation and reporting tool	Operational			

Revenue Department

System Name	Description	Status	Enhancement	Retirement	Comments
School Adjusted Net Tax Capacity Calculations	Calculates adjusted net tax capacities for school districts. Starts with CRV file and assessment abstracts and School tax reports. Some programs date from early 1980's. Others were rewritten with the last two years. Application is used during certific	Operational			
Security	Client Server application security and access control.	Operational			
SEMA4 - Human Resource Management	State of Minnesota implementation of the PeopleSoft personnel application. Owned by DOER.	Operational			
Sales and Use Tax Auditing	The process of sampling and auditing Sales and Use Tax Taxpayers	Operational			
Quattro Pro	Spread Sheet	Operational			
Property Tax Returns	Maintains information on property tax returns	Operational			Enhancements needed
Repeat Penalty	This sub-system evaluates repeats of different penalty conditions and determines it penalty should be automatically abated, reapplied, or expanded.	Operational			
Q + E	Database Query and Editor. Was Q + E, then Data Direct Explorer. Now new vendor has renamed back to Q + E	Operational			
Fortran/Pc	High Level mathematical language for PC application developement.	Operational			Replacement needed
Railroad & Utility Apportionment	Series of programs that apportion value and produce orders to be sent to the counties. Covers 120 railroads and utility companies. Worked March thru June. System costs about $9000 per year to operate and contains about 15,000 property records.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Property tax simulation model	Used for estimating the impact of law changes in the property tax area. The application is updated annually. During the legislative session being without this application for even a day could be a major problem. Off-season, a few days or more might not	Operational			

Agency Name   Reviser of Statutes

System Name	Description	Status	Enhancement	Retirement	Comments
X Text Entry	A UNIX based X Window WYSIWYG version of text entry currently being designed and written.	Operational			
Text Entry	An online text entry and publication system being used for the entry editing and publication process required by legislature for all legislative data for which the Revisor's Office is responsible. Examples, MN Statutes, Admin Rules, House & Senate Bills.	Operational			
Batch Programs	We have many batch programs which are used to assist legislative staff in their daily work. Many batch programs have also been written to convert and format our data for use on the Internet or for search purposes.	Operational			
BASIS	A database and text search package used for all of our searchable data whether it is in-house, or on the internet.	Operational			

Agency Name   Science Museum

System Name	Description	Status	Enhancement	Retirement	Comments
Accounting System	Account software	Operational			
Ticketing & Membership System	Membership database and ticketing system.	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments
Agency Name	**Secretary of State**				
Notary	Notary☐, verification and validation of notaries.	Operational	2000		
CNS	Central Notification System; Filing and statewide repository for notices of farm product liens.	Operational		2001	
IRS	Tax Liens; Electronically filed federal tax liens, information from federal tax liens filed on paper and state tax liens.	Operational		2001	
UCC	Uniform Commercial Code; Filing and statewide repository for information from financing statements.	Operational		2001	
Fiscal MAPPER	Fiscal Receipt; OSS Fiscal Information, receipt tracking and reporting.	Operational		2001	
Service of Process	Service of Process; Record service of process activities.	Operational	2001		
BS	Business Services; Repository for information on all business services filings and entities, active and inactive.	Operational		2001	The BS, CNS, IRS, UCC, and fiscal functions will be included in one system beginning 7/2/01
ENR	Election Night Reporting System	Operational	2000		
County Computer	County Equipment & Access to Oss System; All Minnesota county auditors and recorders	Operational			
Voter Registration	Voter Registration; Centralized voter information for State of Minnesota	Operational		2001	
Agency Name	**Senate**				

System Name	Description	Status	Enhancement	Retirement	Comments
Accounting System	Customized DMAS accounting, including: accounts payable, accounts receivable, payroll and general ledger.	Operational	1999	2000	Replace all functions with Lawson Financials, Payroll and HR System
Constituent Tracking System	Tracking of constituent letters, correspondence, etc.	Operational			

Agency Name   Sentencing Guidelines Commission

System Name	Description	Status	Enhancement	Retirement	Comments
Electronic Sentencing Worksheet	A web-based application for use by probation officers in submitting sentencing guidelines worksheets electronically to the guidelines office. The system will also be available to other criminal justice professionals needing access to previously completed worksheets.	Development			The system is currently being tested in a number of counties. Additional counties will be added to the test/pilot project through the end of FY01. Full implementation will begin in July 2001.
SGIS Monitoring Database	Database containing information from sentencing worksheets and court informationon felony sentencing practices.	Operational			
SGIS Analytical Files	Analytical files containing information extracted from the SGIS (Sentencing Guidelines Information System) Monitoring database.	Operational			

Agency Name   Social Work Board

System Name	Description	Status	Enhancement	Retirement	Comments
Database (Clipper System)	Licensure records of social workers in State of Minnesota.	Operational	1992	2000	Still Operational, but only used (infrequently) to verify data conversion to GLS (see below)
Database (GLS)	Licensure records of social workers in Stateof Minnesota.	Operational	1999		Database has been in use since Dec 1999. However, we are still working with the vendor to iron out some bugs in it.

Agency Name   State Auditor

System Name	Description	Status	Enhancement	Retirement	Comments
Accounts Receivable	Client Billing System	Operational			No change
Financial Statement Preparation Package	Preparation of Financial Statements	Operational			No change
Investment Analysis	Analyzing Reported Investment Information	Retired		1998	This system has been replaced with a new Investment Analysis System

Agency Name   State Fair

Competition	Competitive events	Operational	1998		
Box Office	Ticket Sales	Operational	1998		
General Ledger	Accounting	Operational	1998		

Agency Name   State Retirement Board

Agency reported it receives
no state funding

Agency Name   State Treasurer

Warrants	Warrant Mgmt System	Operational	2002		Evaluating Imaging Capability
Receipts	State/Agency Bank Deposits	Operational	2002		Evaluating Imaging Capability and EGS Readiness
Investments	Investment Management	Operational	2002		
Debt Service	Manage agency debt: bond principal, interest.				
Cashfax	Banking Transfers	Operational			

System Name	Description	Status	Enhancement	Retirement	Comments

Agency Name   Strategic & Long Range Planning

System Name	Description	Status	Enhancement	Retirement	Comments
DATANET	Datanet is a series of on☐line databases summarizing commonly used statistical information to monitor the state's progress, and identify trends and changing conditions. Their system currently serves 550+ registered organizations.	Operational	1998		

Agency Name   Supreme Court

System Name	Description	Status	Enhancement	Retirement	Comments
SJIS	State judicial information system. Predata warehouse; subset of TCIS.	Operational		2000	
CJAD	Data Warehouse (OLAP) for Criminal and Juvenile Cases	Operational			
Civil SJIS (SQL)	Statistical/Case Tracking for Civil, Probate and Family Cases	Operational			
TCIS	Total court information system. Record keeping, case and financial system for trial and appellate courts.management,	Operational		2005	Retirement depends on the vendor proposals for MNCIS for providing and modifying proposed packaged court software applications
OFP	Orders for Protection. Statewide database for Development domestic abuse.	Operational			
MARS	MN attorney registration system. Collects registration fees.	Operational		2006	
MNCIS	Replacement System for TCIS and depending on the vendor offering, MNCIS	Development			

Agency Name   Tax Court

Tax Court

System Name	Description	Status	Enhancement	Retirement	Comments
Case Management System	This custom□developed program is used to manage our court case load.	Operational	1998		

Agency Name   Teachers Retirement Association

System Name	Description	Status	Enhancement	Retirement	Comments
Refunds	Returns teacher contributions to teachers who Operational 2000 terminate				
Membership Accounting	Records members, their retirement contributions and status	Operational	2000		
Employer Contribution Reporting	Provides demographic and contribution information about active teachers	Operational	2000		
Benefit Payments	Generates monthly benefit payments to retired or disabled teachers	Operational	1999		
Annuity Estimates	Provides estimated benefit payments to teachers who are retiring	Operational	1999		
Annuity Calculations	Provides actual calculated benefit to retiring or disabled teachers	Operational	1999		

Agency Name   Trade and Economic Development Department

System Name	Description	Status	Enhancement	Retirement	Comments
Electronic Licensing and Permits	License information, this application supports economic development by providing the public and business users with license and permit via the Internet.	Operational	2001		
Network and Desktop Applications	Network and Desktop applications, supports staff productivity through operation of a Novell Network, central file and database servers and 250 desktops running Windows NT and Coral Word Perfect Suite and Groupwise. Business Applications developed internally or for the Web using in Microsoft SQL Server with VB or Access front ends.	Operational	2001		Migration from Windows NT to Windows 2000 and from Corel Word Perfect to Microsoft Office 2000 planned for end of FY 2000.

Trade and Economic Development Department

System Name	Description	Status	Enhancement	Retirement	Comments
Explore Minnesota Extranet	Promotes Tourism, allows Travel industry to update information on travel properties.	Development	2001		
Tourist	Tourist Information, supports promotion of tourism through fulfillment of tourists' requests for travel information.	Retired		1999	
DTED Document Management Imaging System	Record Maintenance, supports electronic record keeping through document management imaging for current and historic contract documents and human resource and fiscal records.	Operational			
BILS Database	Industry Statistics, Supports economic analysis of state's economy through comparative industry data.	Operational			
Journey	Tourist Information, supports economic development through promotion of Tourism by fulfilling tourist travel information requests and evaluating and targeting marketing efforts.	Enhancement	7/1/1 000 2000	2005	
Internet and Intranet Sites	Economic Development Information, DTED's Internet web site supports economic development by providing information and services to the public and includes 3 interactive databases:· Community Profiles, supports economic development providing community information to businesses and others.· Explore Minnesota which provides online fulfillment of Tourist inquiries.· Translation Database which provides information on companies that provides translation and Export services .DTED's Intranet site contains information/services used in the internal operations of the department.	Operational			The Community Profiles database which is part of DTED's Internet is the successor application to the retired Dylan application.The Explore Minnesota data is copied from the Journey database to a replicated database at the Internet Site.
Central Mailing Database	Mailing Database, supports communication function with Department's clients and economic development partners through use of mailing lists.	Operational			

Trade and Economic Development Department

System Name	Description	Status	Enhancement	Retirement	Comments
Relief	Client Tracking Software, supports small business assistance by providing SBDC client information.	Retired		1999	SBDC Wincats is the successor database application to the Relief database.
Manufactures Export Database	Export, supports economic analysis and program evaluation of state's exports efforts.	Operational			
Integrated Database	Project Tracking, supports economic development by providing information analysis, and evaluation of DTED's financial, training, and technical assistance programs to communities and businesses.	Operational	2002	2003	
Firm File Release	Client Database, Supports economic development through promotion of experts by Minnesota Companies.	Operational		2003	
DYLAN	City Information, supports economic development of local communities by providing community information to businesses and other interested parties.	Retired		1999	This database is now known as Community Profiles and is part of DTED's Internet Web Site.
SBDC Wincats Database	Client Tracking Software, supports small business assistance by providing Information on the 3-4,000 business clients of the state's Small Business Development Centers	Operational			Is the successor database application to the Relief database application that was retired.
ComDev	Project Tracking, supports economic development function through tracking of financial assistance projects.	Retired		1999	This system was replaced by DTED's Integrated Database.

Agency Name   Transportation Department

System Name	Description	Status	Enhancement	Retirement	Comments
Right of Way Information System (ROWIS)	Parcel acquisition and management	Operational			

Transportation Department

System Name	Description	Status	Enhancement	Retirement	Comments
Network Infrastructure	Data, radio, and microwave transmission capacity among MN/DOT's metropolitan area locations, outstate offices, field locations, and mobile devices	Enhancement			
Land Management Spatial Information System	Centralization and automation of "work map" data and products to streamline the Right of Way acquisition process	Under development			
Mn/CARS	Dissemination of statewide data on traffic incidents, weather, road conditions, current and planned lane closures, and related information	Enhancement	2001		
Mn/Model	Archeological Predictive Model Maintains key information, analyzes multiple variables and uses GIS tools to improve the archeological review process.	Enhancement	2001		
Motor Carrier Information Systems (MCIS/CVISN/ Routebuilder)	Motor carrier safety and compliance (credentials, permits, financial transactions)	Enhancement	2001		EGS enhancements under development
Location Data Management System	Provides stable location information to Mn/DOT's management systems. Also, provides location integration and translation services.	Development			
Operations Management System (OMS) &	Captures transportation system maintenance work accomplished and associates that with time and materials consumption data	Operational		2001	WMS will replace OMS
Work Management System (WMS)		Development			
Pavement Management System (PMS)	Pavement management	Enhancement	2001		

Transportation Department

System Name	Description	Status	Enhancement	Retirement	Comments
Project and Program Management System (PPMS)	Project management for projects in the transportation improvement program; managing the allocation of local, state, and federal funds to transportation improvementprojects	Enhancement	2001		Replaced system known as Artemis.
Road Weather Information system	System of weather sensing installations throughout the state providing real time road weather information	Development			Nearly complete
Laboratory Information System	Capture, store and maintain construction materials tests to support certification	Operational			This system and ConLab are complimentary, dealing with different materials
Pontis and VERTIS systems	Bridge management systems based upon AASHTO software modules	Enhancement	2001		
Control and Cadastral systems	Inventories of land survey data, land parcels, legal descriptions and related data pertaining to construction and transportation infrastructure maintenance and operation	Enhancement	2001		
State Aid Finance	Accounting for state aid allotments and payments to cities and counties	Operational	2002		
Aircraft Registration System & On-line Aircraft Registration System	Aircraft registration	Operational		2002	Replacement providing electronic government services is under development
Statewide Automated Materials Management System (SAMMS) &	Materials (sand, salt, auto/truck parts, paint, etc.) inventory and management.	Operational		2001	M4-Inventory will replace SAMMS.
Resource Consumption Application (RCA)	Employee and equipment time reporting and material consumption data collection	Operational	2002		
Automated Facilities Management System (AFMS)	Traffic signals and related assets management	Enhancement	2001		Platform conversion underway.

Transportation Department

System Name	Description	Status	Enhancement	Retirement	Comments
Automated Timesheet System (ATS)	Employee time reporting	Operational		2001	RCA is rolling out now and replacing ATS.
Contract Administration and Records System (CAARS)	Field collection of data on construction contracts, work orders, change orders, and work/quantities accepted.	Operational	2002		
GroupWise	Electronic mail, calendar and schedule management	Operational			
Construction Management System	Tracking and management of all contract administration aspects of construction projects	Operational	2002		
CSAH/MSAS Needs	Maintains information about the physical characteristics and use of state aid routes and allocates state aid funds according to the (statutory) state aid needs formula.	Enhancement	2001		
Equipment Management System (M4)	Mobile equipment management	Operational			
Electronic Bidding	Enhance the efficiency of construction bid processing while streamlining the bidding process for construction contractors	Development			Depends upon authorization of electronic signatures
FANS ☐ Fixed Asset Network System	A fixed asset system distributed by Fiscal Services in Administration	Operational			
Geopak/Microstation	Design and drafting for civil engineering projects.	Enhancement	2001		
ConLab	Provide direct input of field grading and base testing data to support construction material certification	Development	2001		This is a revision of an existing system that was discontinued
Public Transportation Management System	Inventory and condition information about transit fleets and other public transportation system assets	Operational		2002	Replacement project in planning stage.

Transportation Department

System Name	Description	Status	Enhancement	Retirement	Comments
Traffic Management System	Traffic congestion monitoring, freeway operations, incident response for the metropolitan area.	Enhancement			
Transportation Information System (TIS)	Inventory and analysis of roadway and bridge characteristics, traffic volumes, crashes, rail lines and rail grade crossings.	Enhancement	2001		Platform conversion underway.
TRNS*PRT	Bid analysis (including bid☐rigging analysis); contract management and partial payments	Operational			Renamed from BAMS by vendor.
Video Log	Record video data on road and roadside conditions on all trunk highways	Enhancement	2001		
Web presence	Web portal for citizens and partners to gain access to Mn/DOT's information and services	Enhancement			
M4-Inventory		Development			

Agency Name   Veterans Affairs

System Name	Description	Status	Enhancement	Retirement	Comments
Veterans Information Management System	Claims Processing	Operational	2000	2000	Recently upgraded to a Windows version
Benefits 2000	State Soldiers Assistance program	Operational	2000	2000	The old software was discontinued, and is not supported by the manufacturer. Recently converted to a Delphi program.
LibertyNet Image Management System	Provide copies of veterans' discharge papers to appropriate parties.	Operational	2000	2000	The old software was discontinued, and is not supported by the manufacturer. This new imaging system was just installed

Agency Name   Veterans Home Board

System Name	Description	Status	Enhancement	Retirement	Comments
Veterans Information Manager	Personal veterans information manager	Operational			

Veterans Home Board

System Name	Description	Status	Enhancement	Retirement	Comments
Volunteer Services Tracking	Volunteer Services Tracking Database	Operational			
Resident Activity Tracking System	Tracks resident attendance in Rec Therapy activities	Operational			
Premise	MN statutes	Operational			
Long Term Computing Systems	Medical Records/Patient Information	Operational	1998		
Facility Audit	Facility Audit software package	Operational			
EDM Connect	Electronic Data Management connection service to update software for state programs	Retired	1997		
Donations Tracking System	Track Donations Given to MVH Homes	Operational			
Alternate Holiday Tracking System	Tracks Alternate Holidays Used by Employees Operational			1997	Replaced by SEMA4
Admission Tracking Database	Resident admission, discharge and death tracking database	Operational		1998	Replaced by Long Term Care Systems
License Tracking System	Tracks employee license plates and location Operational of employee	Retired		1998	Replaced by an Excel Spreadsheet
ArchiBus	Facility Management System	Operational	2000		Used to facilitate building maintenance In conjunction with DoA Facility Mgt

Agency Name   Veterinary Medicine Board

System Name	Description	Status	Enhancement	Retirement	Comments
Licensing System	Database of license veterinarians and candidates.	Operational			

Agency Name   Vietnam Veterans Council

Vietnam Veterans Council

System Name	Description	Status	Enhancement	Retirement	Comments
Members	Database	Operational			

Agency Name   Vocational Technical Education Council

Agency reported it has no
systems

Agency Name   Voyagers National Park Commission

Agency reported it has no
systems

Agency Name   Water & Soil Resources Board

System Name	Description	Status	Enhancement	Retirement	Comments
Contact Management	Client/contact database/application	Development			Replaces "Mailing Database", Visual FoxPro
Geographic Information System	Data and software to perform geographic analysis and provide results through maps and reports.	Operational			Work with DNR, MPCA to closely to build on each others data.
Web based business tools. eBWSR	Many different moduls to allow BWSR to conduct much of it's business via the web		2001		Web based Grants tracker, web based reporting. Receive Easement applications via the web. Receive State Cost-Share applications via the web. Many other possibilities. Under consideration Still defining project NOT being developed yet
Wetland Banking	Database/application used to record deposits/withdrawls and sales of wetland credits.	Operational			Visual FoxPro
Timecard	Automated timecard.	Operational	2000		Migrated from Quattro Pro to Excel

Water & Soil Resources Board

System Name	Description	Status	Enhancement	Retirement	Comments
RIM Database	Database of RIM people addresses in state.	Operational	1999		There is a desire to retire this DB and start From scratch. (could be in eBWSR)
Mailing Database	Database for client addresses.	Operational		2001	Replaced with Contact Management
LARS	LGU annual reporting system	Operational		2002	Retirement depends on successful development of a succesor. (eBWSR)
Grants Tracker	Maintain status information on Annual grants	Operation		2002	Visual FoxPro

Agency Name   Workers Compensation Court of Appeals

ZyIndex	Legal Research	Operational			

Agency Name   Zoological Garden

Razor's Edge/Blackbaud	Membership/fundraising	Operational			
ARKS,MEDARKS	Animal records systems	Operational			
TARS	Ticketing, admissions, registration (new system 1998)	Operational	1998		
SYS 36	Consumable inventory.	Operational			Removed from service due to Y2K
Engineering	Utilities, maintenance	Operational			
Retaill Pro	Inventory / POS for Gift Store and Stockroom	Operations			Replaced IRIS and System 36
Chief	Maintenance	Operational			
Phone	Switchboard communications, voice mail system	Operational			Replace with Siemens phone system 12/99

Zoological Garden

System Name	Description	Status	Enhancement	Retirement	Comments
IRIS	Gift store point of sale and perpetual inventory system.	Operational	2000	36495	Removed from service due to Y2K
Mas 90	Accounting	Operational	2000		
Life Support	MEC/Discovery Bay Life Support systems, pumps. etc	Operational			
Siemens Model 90 Phone Switch	New Phone System	Operational			Replaced old phone system

Agency Name   Materials Management Division

System Name	Description	Status	Enhancement	Retirement	Comments
Surplus Business Operations System	Macola - Upgrade to version 7.5.102c, completed July, 2000	Operational			
Web/Business Operations Interface	Commerce Connector - Application interface to move web generated orders to internal business software application, completed April, 2000.	Operational			
CStores Web Site	Using fourthchannel's Profit Launch, leased and hosted, site produced and published in April, 2000 with roll out to customers continuing on a daily basis.	Operational			
Database Management Support System		Operational			Upgrade from Btrieve to PSQL for database management for the business software application, completed November, 2000
Stores Business Operations System		Operational			Macola - Upgrade to version 7.5.103c, completed November 13, 2000
File Transfer Services	Novell FTP Server retired October, 2000 with FTP services taken over by upgraded MMD web server.	Operational			

Materials Management Division

System Name	Description	Status	Enhancement	Retirement	Comments
Solicitation Announcements	Created an automated, interfaced process for providing data for new "Solicitation Announcement" pages for MMD's web site. Combined data from MAPS and an active server page into an expanded service and provide Comm.Media with a direct feed of data for support of subscriptions provided by them.	Operational			
Database Management Support System	Upgrade from Btrieve to PSQL for database management for the business software application, completed May, 2000	Operational			
Distributed Access	Citrix MetaFrame 1.8 for Windows 2000 Server implemented as a new application to support classroom G25 in Administration office building.	Operational			Implementation completed June, 2000.
LAN/Desktop FAX services	Unimessage Pro for Windows 2000 replaced HydraFax Gold Version 3.51(51) for managing the Panafax Uf-M500. Supports MMCAP and Voice/FAX customers, in addition to providing desktop FAX capabilities to other staff	Operational			. Upgrade by replacement completed November, 2000.
Remote Access	Citrix MetaFrame 1.8 for Terminal Server 4.0 replaced Citrix WinFrame 1.7 for remote access by Administration building personnel	Operational			Upgrade by replacement completed December, 2000.
Vendor Registration System	WebVen, a new application, is a web-based vendor registration system with an automated interface to MN's state accounting and procurement software (MAPS).	Operational			Projected completion date is January, 2001.
Vendor Management System	Vendor Manager running on Windows NT 4.0 and SQL Server 7. 0 was converted/rewritten from an IBM OS2, IBM DB2, token-ring system. The new system automatically updates data on the division's web server pages and Voice/Fax System	Operational			Upgrade by replacement completed June, 2000.

Materials Management Division

System Name	Description	Status	Enhancement	Retirement	Comments
Voice/FAX Document Distribution System	Voice/Fax System underwent a major conversion/rewrite from Windows 3.11 platform to Windows NT 4.0 with direct and automated interfaces with the MMD web server	Operational			Upgrade by replacement completed October, 1999.
MN Multistate Contracting Alliance for Pharmacy (MMCAP)	Group Purchasing Systems (GPS) Version 6.0.45 replaced GPS Version 6.0.35 for support of MMCAP.	Operational			Upgrade completed September, 2000.
MMD Web Site	MS IIE 4.0 on a Windows NT 4.0 Server replaced Purveryor/WebDBC on Windows 3.51 Server as the web management platform for the division's web site	Operational			Upgrade by replacement completed November, 2000.