



# Minnesota Department of Public Safety



Project Update  
January 2017

Presented by:

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Dawn Olson, Director, Driver and Vehicle Services Division



# Public Safety Mission

## *A Safer Minnesota*

- To protect citizens and communities
- Prevent, prepare, respond, recover, educate, and enforce
- Focus on saving lives, providing efficient and effective services
- Maintain public trust and develop strong partnerships





# Department of Public Safety

## Transportation Policy and Finance Committees



**Minnesota State Patrol**



**Office of Traffic Safety**



**Driver and Vehicle  
Services**



**Office of Pipeline Safety**



**Administration and  
Related Services**

## Public Safety Policy and Finance Committee



**Alcohol and Gambling  
Enforcement**



**Fire Marshal Division**



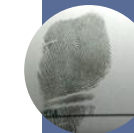
**Office of Justice Programs**



**Emergency  
Communication Networks**



**Homeland Security and  
Emergency Management**



**Bureau of Criminal  
Apprehension**



MNLARS

Licensing and Registration System

The logo for MNLARS features the letters "MNLARS" in a bold, sans-serif font. The "MN" is blue, the "L" is a dark blue silhouette of the state of Minnesota with a white winding road, and the "ARS" is red. A red car is positioned below the "L" and "A", appearing to drive on a red horizontal line that spans the width of the letters. Below the car and line, the text "Licensing and Registration System" is written in a black, sans-serif font.

# MNLARS Mission

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Mission

Need

Goals

Leaders

Budget

Early Years

Current

Forward

Outreach

Benefits

Schedule

Audit

To build and deliver the best secure driver and vehicle information system that is within budget, easy to use and maintain, and that allows for future enhancement.

# Need for MNLARS

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- The mainframe is a 30 year-old system, past its prime
- 2007 system analysis recommended replacement
- Layering today's security technology on an old system increases system vulnerability
- Limited ability to accommodate change
  - Minor changes require major development effort
  - Changes to one function may unknowingly affect other functions

# MNLARS Project Goals

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1. Reduce transaction processing times.
2. Improve data access, accuracy, consistency, and security.
3. Improve customer assistance and communications.
4. Standardize processes.
5. Reduce paperwork and paper flow.
6. Increase customer convenience.

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# Leadership/Governance Partnership

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- Provides project leadership
- Engages key business partners in planning
- Key staff serve as subject matter experts



- Provides project leadership
- Works with business subject matter experts to develop and test software
- Maintains aging legacy systems
- Responsible for ongoing maintenance of MNLARS as each phase is implemented



# Budget

- Mission
- Need
- Goals
- Leaders
- Budget**
- Early Years
- Current
- Forward
- Outreach
- Benefits
- Schedule
- Audit

	FY16	FY17	FY18
Consultants	\$ 8,600,000.00	\$ 16,229,850.00	\$ 15,834,250.00
Staff	\$ 2,021,021.00	\$ 2,700,000.00	\$ 3,683,000.00
Rent and space needs	\$ 206,292.00	\$ 300,000.00	\$ 300,000.00
Supplies, Misc, Other	\$ 78,480.00	\$ 50,000.00	\$ 50,000.00
Insurance	\$ 1,537.00	\$ 2,000.00	\$ 2,000.00
Statewide Indirect Costs	\$ 68,106.00	\$ 73,000.00	\$ 73,000.00
Enterprise Data Center (EDC) & Identity Access Mgmt (IAM)	\$ 975,443.00	\$ 2,890,000.00	\$ 6,313,000.00
	\$ 11,900,879.00	\$ 22,244,000.00	\$ 26,255,000.00

- Development Funding: Technology surcharge, which ended on June 30, 2016
- Maintenance Costs: DVS and MN.IT establishing ongoing MNLARS operation costs

# Early Years

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**2008**



Seeks funding to replace legacy system

**2009-10**



Identifies requirements to replace mainframe

**2011-12**



Searches for vendor to build MNLARS

**2014**



Ends contract with HP and takes different track

# Current Highlights

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**2015**

- We started new development with MN.IT
- Began outreach to deputy registrar
- First system demo



**2016**

- Hands on session with deputy registrars
- Added a practice and training phase
- Live demonstration at MDRA Annual Meeting
- Launched Read-Only phase in October
- Started deputy registrar transition to new system

- Mission
- Need
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- Leaders
- Budget
- Early Years
- Current**
- Forward
- Outreach
- Benefits
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# Looking Forward

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**Forward**

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2017

- Start dealer transition to new system
- Training for deputy registrars and DVS staff motor vehicle title & registration
- Training/Practice Phase
- Switch from Mainframe to MNLARS production
- Development of motor vehicle add-ons
- Development of driver's license part of MNLARS
- Begin driver's license phased implementation

2018

- Finish driver's license implementation
- Retire legacy systems

# 2016 MNLARS Stakeholder Outreach

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- DVS/MDRA Bi-monthly Strategy Meetings
- DVS/MDRA Monthly Stakeholder Committee Meetings
- DVS/MDRA Monthly Communication Team Meetings
- Monthly MNLARS System Demonstration
- MDRA representative imbedded in MNLARS team
- Presentation at MDRA Annual Membership Meeting
- Targeted Communication to deputy registrar office managers and Super Users
- “Try It” sessions for deputy registrars and DVS staff
- DVS/Dealer Association bi-monthly meetings
- Data access training for the data use representatives at deputy registrars and government offices
- New barcode reader for each office
- Gathered IT contact information for each office

VH10 BC: @

NEW MOTOR VEHICLE RECORD ENTRY

HELP 08:54:06

TRANS: LIENS: SUSPENSE:  
 PLATE: STICKER: EXPR: NEW LESSEE:  
 VEH CLASS: TITLE: NEW: DATE OF FIRST SALE:  
 FILE 1: FILE 2: FLAGS: ST/YR AID:  
 ODOMETER: COLOR: EMPTY WT: AXLES:

VIN: YR: MAKE: STYLE: SERIES: TAX BASE:  
 FUEL: MTRCYCL ENG:  
 ID: - DB RI  
 - -  
 - -

ADDR: CITY:  
 DATE OF LIEN:  
 1ST SECURED PARTY:  
 ADDR: CITY:  
 TECH SUR: WTC: WTF: @

MONTH'S(PARTIAL REG):  
 REG: TE: PLTFEE: ARR: FEE: SPV: TRFTX:  
 SRV: TITLE: SLS TX: PENLTY: SPEC: TOT:

MOTOR VEHICLE GENERAL HELP SCREEN

11/13/15

VH20

F KEYS FOR THIS TRAN HELP

11:53:16

F1 KEY HELP VALUES (IN HELP FIELD)

BLANK - GENERAL HELP SCREEN

1 - LONG ERRMSG (MV ENT/UPD/COR)

2 3 - FILE CODE SCREENS

4567[]\ - FLAG CODE SCREENS

\$ - REFUND FLAGS SCREEN

89() -= - SUSP CODE SCREENS 1 THRU 6

A - VEH CLASS / GEN'D OPER-IDS

B - PROCESSING AID SCREEN

C - TRANSACTION, SPEC FEE CODES

D - COLOR, MC STYLE, CONJ CODES

E - PSGR STYLE CODES

F - TRUCK STYLE CODES

G - MISC HELP SCREENS INDEX

H - Z - MISC HELP SCREENS H THRU Z

F1	F2	F3
HELP	NOT USED	END FUNC
F4	F5	F6
DSPL MENU	DV02 TRAN FOR 1ST ID	DSPL RNWL NOTICE
F7	F8	F9
PAGE BACK/ SUSTXT INQ	PAGE AHEAD- VEH SEL SCREEN	DSPL INVEN INQ SCREEN
F10	F11	F12
MV DISPLAY SCREEN	DSPL ADDL LH SCREEN	DSPL SUSP LETTER INQ

F5 KEY HELP VALUES (VH10/11 12/13 70) ALSO

A - Z - STD CORP NAMES (EXCPT L) --- F2=SHOW PRV NAM/ID(VH21/35/36/40)

L - STD LIEN NAMES -- F5=DV02 INQUIRY (VH20/21)

/ - STICKER INVEN RANGE TBL - F9=fmt RUNNING TOT RCPT(VH11/13)

- F9=fmt SUSP FREETXT (VH30/31)

VH20

MOTOR VEHICLE SUSPENSE HELP SCREEN 1

HELP ■ 11:54:4

CODE MEANING - REQUIREMENTS ('@' IS SEPARATOR CHAR)

AD - ADMINISTRATIVE TITLE - SELLER NAME @ BUYER NAME

AE - ABOVE MARKET VALUE (SUB. LOWER PUR. PRICE) - \$\$\$\$\$.CC @ \$\$\$\$\$.CC

-

AG - ADMIN IMPOUND GENERATED - (NO ENTRY) - GENERATED BY VH10/11/12/13

AI - ADMINISTRATIVE IMPOUND - TYPE OF APPLICATION

AJ - PLT IMP - PLT @ ARE/ARE NOT @ VIOLATOR @ MM/DD/YY

AO - PLT IMP - PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY (INC DT) @ NO. IN SUB

AP/2P PLT IMP- PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY @ NOSUBD @ LAW ENF

AQ/2Q PLT IMP- PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY (INC DT) @ NSUBD(1998

AR - ADDL REG TAX - \$\$\$\$.CC (TOTAL DUE) @ \$\$\$\$.CC (AMT PD) @ \$\$\$\$.CC (ADDL DUE)

AS - ALTERED SALE DATE - SELLER NAME @ BUYER NAME

AT - APPLICATION FOR TITLE - NAME @ SECTION TO BE COMPLETED

AX - PLT IMP - PLT @ OWNER @ VIOL @ MM/DD/CCYY(DOB) @ MM/DD/YY(INC DT) @ NSUB

AY/2Y PLT IMP- PLT @ OWNER @ VIOL @ MM/DD/CCYY(DOB) @ MM/DD/YY @ NSUBD (1998)

-

-

AZ - ARIZONA SALES TAX - \$\$\$\$\$\$.\$\$ @ \$\$\$\$\$.\$\$ @ \$\$\$\$\$.\$\$

-



## VEHICLE

VIN: 4S4BSBAC0G7308919  
Vehicle Class: Passenger - 09  
Year: 2016  
Date of Sale: 12/15/2015

Make: SUBARU  
Model: OUTBACK  
Color: - Select -

Body Style/Type: Utility Trailer  
Fuel Type: Gasoline  
Odometer:

Odometer Status: Actual mileage  
Base Value: \$ 24,995  
Purchase Price: \$  
Trade-in Value: \$

Trade-in Vehicle Identifier: Plate VIN Minnesota Plate  
Fair Market Value: \$  
Sales Tax Paid: \$

Sales Tax Exemption: -Select-

Damage Disclosure  
 Has damage exceeding 80% of pre-damage FMV

Public Safety Vehicle Fee	3.50
Title Fee	6.25
Title Filing Fee	10.00
Transfer Tax	10.00
Sales Tax	0.00

<b>Total</b>	<b>\$29.75</b>
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[Show calculations](#)

## REGISTRATION

Plate (scan or type)

023AAA

Sticker (scan or type)

U0000016

Check Inventory

Plate Style

Passenger

Exp Year

2017

Expiration Month

Nov (11)

Starting Date

12/01.

Number of Plates

1  2

County Vehicle Kept In

RAMSEY

Plate Order

Registration Tax	614.00
Contribution	0.00
Plate Fee	6.00
Wheelage Tax	10.00

**Total** \$630.00

[Show calculations](#)

## OWNER

Owner **1**

Individual  Entity

Minnesota ID (optional)

B123987654321

Look Up Owner

First Name

Scott

Middle Name

William

Last Name

Byer

Suffix (optional)

- Select -

Date of Birth

03/14/1960

[+ Add another owner](#)

## TITLE ADDRESS

### Title Certificate Address

Country

United States & Territories

Address Line 1

450 Carlton Street

Address Line 2 (optional)

Apt, suite, unit, etc.

State/Territory

Minnesota

County

RAMSEY

City

Saint Paul

ZIP Code

55106

Ext (optional)

[Add a mailing address](#)

## LIENHOLDERS

Lienholder **1** [Remove lienholder](#)

Individual  Entity

Entity Name

Wells Fargo Bank

Country

United States & Territories

Address Line 1

8th Street and Marquette Avenue

Address Line 2 (optional)

Apt, suite, unit, etc.

State / Territory

Minnesota

City

Minneapolis

ZIP Code

55404

Ext (optional)

Lien Date

mm/dd/yyyy

[Add another lienholder](#)

10/17/2016

MNLARS

PLATE BARCODE

STICKER BARCODE

DOCUMENT BARCODE

**APPLICATION TO TITLE/REGISTER A VEHICLE**

MINNESOTA DEPARTMENT OF PUBLIC SAFETY  
Driver and Vehicle Services Division  
445 Minnesota St., St. Paul, MN 55101-5185  
Phone: (651) 297-2126 TTY: (651) 282-6555  
dvs.dps.mn.gov

VEHICLE IDENTIFICATION NUMBER

**4S4BSBAC0G7308919**

PLATE NUMBER

**012AAA**

STICKER NUMBER

**U0000045**

OWNER(S)

**SCOTT WILLIAM BYER  
SARAH BRIN BYER**

**VEHICLE**

VIN	4S4BSBAC0G7308919	Odometer	10
Vehicle	Passenger - 09	Odometer Status	Actual mileage
Year	2016	Base Value	24,995.00
Date of Sale	12/15/2015	Purchase Price	28,000.00
Make	SUBARU	Trade-In Value	12,000.00
Model	OUT	Trade-In Vehicle Identifier	Plate: 234UHC
Color	Green (GRN)	Fair Market Value	
Body Style/Type	Utility Trailer	Sales Tax Paid	1,040.00
Fuel Type	Gasoline	Damage Disclosure	Has not sustained damage in excess of 80% of actual cash value.

**REGISTRATION**

Plate	012AAA	Number of Plates	2
Sticker	U0000045	County Vehicle Kept In	RAMSEY
Plate Style	Passenger	Expiration	November 2017

**OWNER(S)**

Name	Scott William Byer	Date of Birth	03/14/1960
Minnesota ID	B123987654321		
Name	Sarah Brin Byer	Date of Birth	12/31/1963
Minnesota ID	B12345678987		

**ADDRESS(ES)**

Residence	450 Carlton Street St Paul, MN 55106 United States of America (USA)
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**INSURANCE**

Company Name	State Farm Insurance	Expiration Date	12/12/2016
Policy Number	SF123		

**LIENHOLDER(S)**

Entity Name	Wells Fargo Bank	Lien Date	12/15/2015
Address	8th Street and Marquette Avenue Minneapolis, MN 55404 United States of America (USA)		

I (WE) CERTIFY I (WE) AM (ARE) OF LEGAL AGE, HAVE PURCHASED THIS VEHICLE SUBJECT TO LENS SHOWN AND NO OTHERS, I (WE) ATTEST BY THIS TRANSACTION THAT THIS VEHICLE IS AND WILL CONTINUE TO BE INSURED WHILE OPERATED UPON THE PUBLIC STREETS AND HIGHWAYS. ALL OF MY (OUR) DECLARATIONS ARE TRUE AND CORRECT.

DATE

ALL INFORMATION COLLECTED ON THIS APPLICATION IS REQUIRED BY LAW AND IS USED TO IDENTIFY THE MOTOR VEHICLE. FAILURE TO PROVIDE REQUIRED INFORMATION MAY RESULT IN DENIAL OF THE REQUESTED ACTION, EXCEPT FOR CERTAIN USES PERMITTED BY FEDERAL AND STATE LAWS. PERSONAL INFORMATION CONTAINED IN YOUR APPLICATION MAY NOT BE DISCLOSED TO ANYONE WITHOUT YOUR EXPRESS CONSENT.

DATE

ANY PERSON WHO SHALL COMPLETE OR SUBMIT A FALSE OR FRAUDULENT MOTOR VEHICLE PURCHASERS CERTIFICATE WITH INTENT TO DEFEAT OR EVADE SALES TAX SHALL BE GUILTY OF A MISDEMEANOR AND FOR EACH OFFENSE SHALL BE FINED NOT MORE THAN \$500 OR BE IMPRISONED IN THE COUNTY JAIL FOR NOT MORE THAN ONE YEAR OR BOTH.

DATE

ALL PURCHASERS/OWNERS MUST SIGN

# Benefits

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- MNLARS calculates all fees
- MNLARS eliminates the need for a deputy registrar to prepare a daily financial report
- MNLARS updates records in real time
- MNLARS improves data accuracy with a user interface that employs system edits, drop downs, auto-fill fields etc.
- MNLARS reduces letters to customer with required fields, such as insurance information, motorcycle engine number, odometer reading etc.
- MNLARS improves user access security and data access auditing
- MNLARS increases system stability

Mission

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**Benefits**

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# MNLARS Motor Vehicle Schedule

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## Read Only – Implemented October 2016

- Stands up MNLARS infrastructure (the foundation for the entire system)
- Introduces the new user management system
- Converts production data from mainframe to MNLARS
- User group: authorized government and private entities that look at record information

## Adoption Phase

- Stand alone production-like practice environment
- User group: Deputy registrars and DVS staff

## MNLARS Production Phase – Implementation Spring 2017

- Begins actual production activities in MNLARS
- Closes (retires) the motor vehicle portions of the mainframe
- User group: DVS staff, deputy registrars, dealers, and law enforcement

# Audit

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## Overall Project Health

Reporting period, Aug 27 – Nov. 25, 2016

Summary Category	MNLARS Status
Cost	Green
Quality	Green
Schedule	Green
Scope	Green
Staffing	Yellow

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**Audit**

**DVS**  
Driver &  
Vehicle Services

**mi** MINNESOTA  
IT SERVICES

# Questions?

