



MNLARS Project Update

January 2017

MNLARS Mission

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.



Leadership/Governance Partnership

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Schedule



- 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

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	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 2016

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

- 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



Looking Forward

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- 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

Mission

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Outreach <

Benefits

Schedule

- 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):

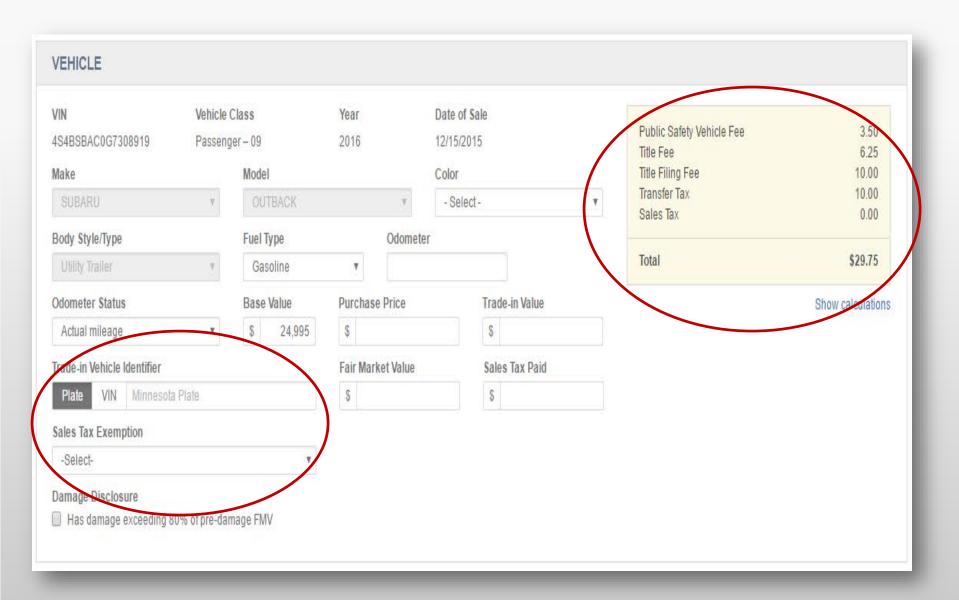
REG: TE: PLTFEE: ARR: FEE: SPV: TRFTX:

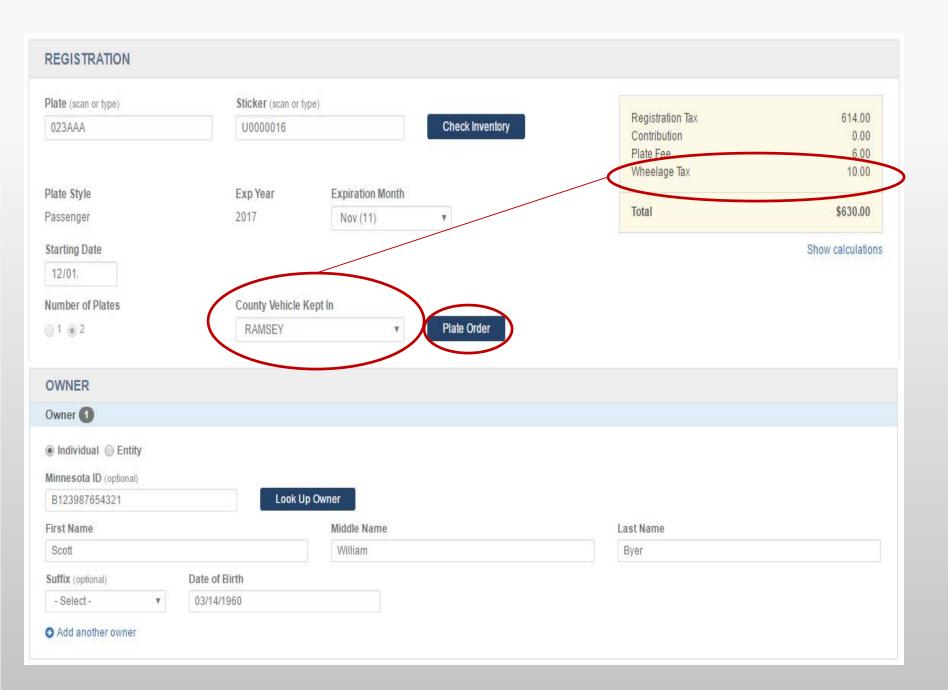
SRV: TITLE: SLS TX: PENLTY: SPEC: TOT:

MOTOR VEHICLE GENERAL VH20		THIS TRAN H	11/13/1 ELP 11:53:1
F1 KEY HELP VALUES (IN HELP FIELD) BLANK - GENERAL HELP SCREEN 1 - LONG ERRMSG (MV ENT/UPD/COR) 2 3 - FILE CODE SCREENS	F1 HELP	F2 NOT USED	F3 END FUNC
4567[]\ - FLAG CODE SCREENS \$ - REFUND FLAGS SCREEN 89()-= - SUSP CODE SCREENS 1 THRU 6 A - VEH CLASS / GEN'D OPER-IDS	F4 F5 DSPL MENU DV02 TRAN FOR 1ST ID		F6 DSPL RNWL NOTICE
B - PROCESSING AID SCREEN C - TRANSACTION, SPEC FEE CODES D - COLOR, MC STYLE, CONJ CODES E - PSGR STYLE CODES	F7 PAGE BACK/ SUSTXT INQ		F9 DSPL INVEN INQ SCREEN
F - TRUCK STYLE CODES G - MISC HELP SCREENS INDEX H - Z - MISC HELP SCREENS H THRU Z	F10 MV DISPLAY SCREEN	F11 DSPL ADDL LH SCREEN	F12 DSPL SUSP LETTER INQ
F5 KEY HELP VALUES (VH10/11 12/13 70) A - Z - STD CORP NAMES (EXCPT L)		 PRV NAM/ID(\) INQUIRY	

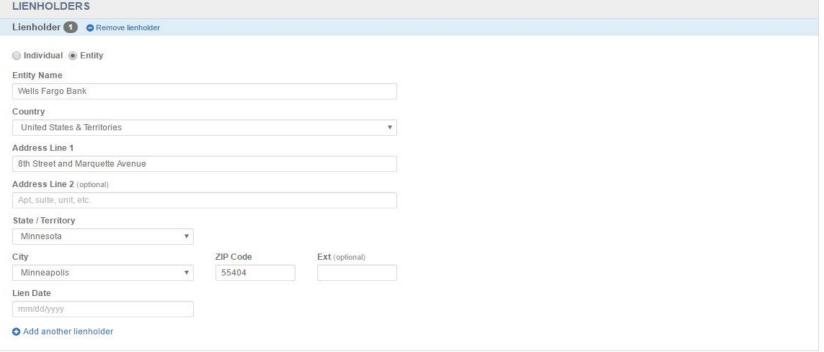
F5 KEY HELP VALUES (VH10/11 12/13 70) ALSO F2=SHOW PRV NAM/ID(VH21/35/36/40 A - Z - STD CORP NAMES (EXCPT L) --- F5=DV02 INQUIRY (VH20/21) L - STD LIEN NAMES -- F9=FMT RUNNING TOT RCPT(VH11/13) / STICKER INVEN RANGE TBL - F9=FMT SUSP FREETXT (VH30/31)

```
HELP 11:54:4
VH20
             MOTOR VEHICLE SUSPENSE HELP SCREEN 1
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 - $$$$$$.$$ @ $$$$.$$ @ $$$$.$$
```





TITLE ADDRESS Title Certificate Address Country United States & Territories ۳ Address Line 1 450 Carlton Street Address Line 2 (optional) Apt, suite, unit, etc. State/Territory County RAMSEY Minnesota ٧ ZIP Code Ext (optional) 55106 Saint Paul Add a mailing address



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

OWNER(S) SCOTT WILLIAM BYER SARAH BRIN BYER PLATE NUMBER 012AAA STICKER NUMBER U0000045

Commercial		OAITAIT BITING BITEIT		
/EHICLE				
an .	4S4BSBAC0G7308919	Odometer	10	
/ehicle	Passenger = 09	Odometer Status	Actual mileage	
fear	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	
uel Type	Gasoline	Damage Disclosure	Has not sustained damage i	n excess of 80% o
TO STORY			actual cash value.	
REGISTRATION	012AAA	Number of Plates	2	
Plate Sticker	U12AAA U0000045	County Vehicle Kept In	2 RAMSEY	
Plate Style	Passenger	Expiration	November 2017	
Tate Style	Passenger	Expiration	November 2017	
OWNER(S)				
lame	Scott William Byer	Date of Birth	03/14/1960	
Minnesota ID	B123987654321			
lame	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)			
NSURANCE				
Company Name	State Farm Insurance	Expiration Date	12/12/2016	
Policy Number	SF123			
JENHOLDER(S)				
Intity Name	Wells Fargo Bank	Lien Date	12/15/2015	
Address	8th Street and Marguette Avenue			
	Minneapolis, MN 55404			
	United States of America (USA)			
(WE) CERTIFY I (WE) AM (ARE) OF LEGAL	AGE, HAVE PURCHASED THIS VEHICLE	~		
SUBJECT TO LIENS SHOWN AND NO OTHERS. I(ME) 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.		X		
				DATE
		X		
LL INFORMATION COLLECTED ON THIS A ISED TO IDENTIFY THE MOTOR VEHICLE.	PPLICATION IS REQUIRED BY LAW AND IS FAILURE TO PROVIDE REQUIRED	^		
INFORMATION MAY RESULT IN DENIAL OF THE REQUESTED ACTION, EXCEPT FOR				DATE
EBTAIN LIGHE DEBMITTED BY SECTION	CERTAIN USES PERMITTED BY FEDERAL AND STATE LAWS, PERSONAL INFORMATION CONTAINED IN YOUR APPLICATION MAY NOT BE DISCLOSED TO ANYONE WITHOUT			
ERTAIN USES PERMITTED BY FEDERAL CONTAINED IN YOUR APPLICATION MAY N	OT BE DISCLOSED TO ANYONE WITHOUT			
ERTAIN USES PERMITTED BY FEDERAL	OT BE DISCLOSED TO ANYONE WITHOUT	X		
ERTAIN USES PERMITTED BY FEDERAL XNTAINED IN YOUR APPLICATION MAY N YOUR EXPRESS CONSENT. WY PERSON WHO SHALL COMPLETE OR	OT BE DISCLOSED TO ANYONE WITHOUT SUBMIT A FALSE OR FRAUDULENT MOTOR		OVAFBS NEST SICK	DATE
ERTAIN USES PERMITTED BY FEDERAL CONTAINED IN YOUR APPLICATION MAY N YOUR EXPRESS CONSENT. WY PERSON WHO SHALL COMPLETE OR WHICLE PURCHASER'S CERTIFICATE WI	OT BE DISCLOSED TO ANYONE WITHOUT		OWNERS MUST SIGN	DATE

Benefits

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Schedule

- 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



MNLARS Motor Vehicle Schedule

Mission

Need

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Leaders

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Early Years

Current

Forward

Outreach

Benefits

Schedule •

Audit

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









