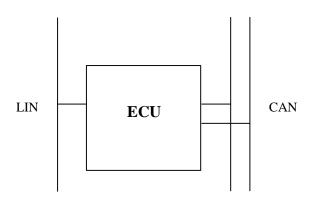


Change Description	A = Added D = Deleted C = Changed/Correct	Document Release Status	
		Date	Modification Count
		2017-11-20	

# **Network Requirement Specification**

# SAIC Motor Network Requirement Specification FVCM EP21 EP2 V07



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# SAIC MOTOR SIGNAL SPECIFICATION FVCM

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EE.VI.EP21.024

EP21\_ V07 Volume No Page No 1 (72)

# **TABLE OF CONTENTS**

1 CH	ANGE INFORMATION	3
2 RE	FERRED DOCUMENTS	8
3 GE	NERAL	8
3.1	Document description	8
4 INT	TERFACE REQUIREMENTS	9
	Hardware interface	
	Overview of signals	
4.3	Transmitted signals	13
4.4	Received signals	25
4.5	Constant signals	72

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Document No	Issue Index	Volume No	Page No
EE.VI.EP21.024	EP21_ V07		2 (72)

V07

### 1 CHANGE INFORMATION

Revision	Date	Description A=Added C=Changed/Corrected D=Deleted
EP21-V01	2016/07/07	First version
	2016/07/14	EP21 Network NCF: 1040766501
		A: CCPCROFVCM /Rx
		A: CCPDTOFVCM/Tx
		Add subscribe to following signals:
		BCMAvIbly
		BPMMstrAvlbly
		ECMAvibly
		FICMAvIbly
		HCUAvibly
		IPCAvibly
		SDMAvIbly
		TBOXAvIbly
		TCMAvIbly
		VehCofignAC
		VehCofignBodyCtrlrTyp
		VehCofignCCTyp
		VehCofignEnTyp
		VehCofignHybLvl
		VehCofignInftnTyp
		VehCofignParkngBrkTyp
		VehCofignSlipCtrlTyp
		VehCofignSpSt
		VehCofignSta
		VehCofignStrgTyp
		VehCofignTPMSTyp
		VehCofignTrnsfCaseTyp
		VehCofignTrTyp
		VehInfoBodyTyp
		VehInfoBrand
		VehInfoDrvHadlTyp
		VehInfoEmsnRegn
		VehInfoMdlYear
		VehInfoMkt
		VehInfoPf
Revision	Date	Description A=Added C=Changed/Corrected D=Deleted
EP1-V02	20/11/2016	C: LKAHptWrnngReq to LKAHapticWrnngReq
		LKAHptWrnngDspCmd to LKAHapticWrnngDspCmd
		LDWSysSts encoding
		LDWWrnngIndReq encoding
		LDWSysFltSts /Tx LDWLaneDetnInd /Tx
	I	
		Document Title

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FVCM
Document Type

NETWORK REQUIREMENT SPECIFICATION				
Document No.	Issue Index	Volume No	Page No	

Document No	Issue Index	Volume No	Page No
EE.VI.EP21.024	EP21_ V07		3 (72)

	FVCMCalPrgsReq /Tx LKAWrnngIndReq /Tx LKALaneDetnInd /Tx NCFRefNoFVCM D: LKASysStsIndReq /Tx
EP2_V03 2017/05/08	EP22 Network NCF: 1040766503 2017.04.27 updated: Tx added: LKASysStsIndReq LKAHptWrnngDspCmd FCWSts LKAReqToqSts
	Rx added: LKAHptWrnngReq TrShftPtrnASts EPSFIrSts EPTEDUCIntPumpSts
	Tx changed: Change the encoding
	Rx changed: Change signal length Change the encoding
2017/05/13	Rx changed: encoding changed TrOtptRotlStsRotDircn  2017.05.12 updated: Tx deleted: LKASysStsIndReq LKAHptWrnngDspCmd FCWSts LKAReqToqSts LKAVbnReq
	Rx deleted: EPSFIrSts EPTEDUCIntPumpSts ParkBrkSwA LKAHptWrnngReq
	Rx added: EPTDrvngMdSwSts
	Tx changed: Change FVCM LDWSysSts  Document Title

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		Change FVOM I BWW.
		Change FVCM LDWWrnngIndReq
		Tx added
		LDWLKAVbnLvlReg
		LKAReqToqSts
		LKAReqToqV
		change LKAReqToqPV length /Tx
		change the encoding ChLKACtrlSts /Rx
	004=40=44=	
	2017/05/15	Tx changed:
		Change FVCM LDWSysSts Tx deleted:
		LKATogReqSts
EP2_V04	2017/05/24	EP21 Network NCF: 1040766504
2.2_00.	2011/00/21	NCFRefNoFVCM changed
		2017.05.24 updated:
		Tx added:
		HandOffStrgWhlDetnSta
		HandOffStrgWhlDetnStaV
		LDWLKADspCmd
		LDWLKAHapticWrnngDspCmd
		LDWLKALVsulznReq
		LDWLKARVsulznReq
		TJAICAS: pElesto
		TJAICASysFltSts TJAICASysSts
		TUAICAGYSGIS
		Tx deleted:
		ACCAEBBrkJerkLvlReq
		ACCAEBDclReqSts
		ACCAEBDclReqVal
		ACCAEBDclReqValPV
		ACCAEBToqReqSts
		ACCAIvRC
		ACCDetObjDistLvI
		ACCDrvrSeldTrgtDistLvl ACCDrvrSelTrgtSpd
		ACCDrvrTkovReq
		ACCGoNotfr
		ACCObjDet
		ACCSdsIReq
		ACCSysCanclReq
		ACCToqReqVal
		ACCToqReqValPV
		AEBDspCmd
		AEBPrflReq
		FCWDspCmd
		FCWrnngSts FCWSnstvtLvl
		FCWS/ISIVILVI FCWSysFltSts
		1 0110,01 11013
		Rx deleted:
		AccelOvrd
		AEBSwReq
		AutocTrGearShftDircn
		AutocTrGearShftDircnF

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	Document No.	Issue Index	Volume No	Page No

EE.VI.EP21.024	EP21_ V07	volume ivo	5 (72)
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**BntOpenSts BPMMstrAvlbly BrkPdIPosV CCPCROFVCM CCSwStsAlvRC CCSwStsCanclSwA** CCSwStsDistDecSwA CCSwStsDistIncSwA **CCSwStsOnSwA CCSwStsPV CCSwStsRsmSwA** CCSwStsSetSwA CCSwStsSpdDecSwA CCSwStsSpdIncSwA **CCSwStsSwDataIntgty ChACCAEBAIvRC** ChACCAEBDclReqResp ChACCAEBDclReqRespPV **CIPos CIPosV** DrvrDoorOpenSts EnToqActuExtdRng EnToqActuExtdRngV EnToqMaxExtdRng EnToqMaxExtdRngV EnToqMinExtdRng **EnToqMinExtdRngV EPBAppcnSts EPBAppcnStsPV EPBCCCanclReqd EPTDrvngMdSwSts EPTTrInptShaftMaxAvlbIToq** EPTTrInptShaftMaxAvlblToqV EPTTrInptShaftMinAvlblToq EPTTrInptShaftMinAvlblToqV EPTTrInptShaftToq **EPTTrInptShaftTogV** FCWSnstvtLvIReq **FCWSwReq** FrtPsngDoorOpenSts KeyDetIndx LKAHapticWrnngReq PtACCToqReqResp PtACCToqReqRespPV **PtADASAlvRC** RLDoorOpenSts RRDoorOpenSts RstrFctryDeftsReq TrCCCanclReq TrEmsnRltdMalfA TrlrHitchSwA TrNonEmsnRltdMalfA TrOtptRotlStsRotDircn **TrOtptRotlStsV TrShftPtrnASts** VehCofignAC VehCofignBodyCtrlrTyp

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NETWORK REQUIREMENT SPECIFICATION

Document No Issue Index Volume No Page No

VehCofignCCTyp VehCofignEnTyp VehCofignHybLvI VehCofignInftnTyp VehCofignParkngBrkTyp VehCofignSlipCtrlTyp VehCofignSpSt VehCofignSta VehCofignStrgTyp VehCofignTPMSTyp VehCofignTrnsfCaseTyp VehCofignTrTyp VehInfoBodyTyp VehInfoBrand VehInfoDrvHadlTyp VehInfoEmsnRegn VehInfoMdlYear VehInfoMkt VehInfoPf Rx added: **EPSFIrSts** LDrvnWhlRotDircn LDWLKAHapticWrnngReq LDWLKASwReq LNonDrvnWhlRotlDircn ParkBrkSwA RDrvnWhlRotDircn RNonDrvnWhlRotlDircn **TJAICASwReq** 2017.05.25 Tx deleted: **CCPDTOFVCM LDWDspCmd** LDWLaneDetnInd LDWWrnngIndReg LKAAdoWrnngDspCmd LKADspCmd LKAHapticWrnngDspCmd LKALaneDetnInd LKASnstvtLvl LKAWrnngIndReq Rx deleted: EPSDlvrdTotToq **EPSDlvrdTotToqV EPSFIrSts LDWSwReq** LKAAdoWrnngReq LKASnstvtLvlReq LKASwReq 2017.05.26 Change: LDWLKASwReg encoding changed Rx deleted: LDrvnWhlRotDircn,RDrvnWhlRotDircn Document Title

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Document Type

| NETWORK REQUIREMENT SPECIFICATION | Document No | Issue Index | Volume No | Page No |

		Rx added:
		LDrvnWhlRotlDircn,RdrvnWhlRotlDircn
		Rx change:
		VehSideLghtSts initial value changed
		venerae gritete iritiar varae enangea
	2017.05.27	Rx deleted:
		ParkBrkSwA
		BrkPdlPos
	2017.06.08	Tx changed:
	2017.00.00	LDWSysSts initial value changed
	2017.07.18	Rx added:
	2017.07.10	
		RstrFctryDeftsReq
		BPMMstrAvibly
EP21_EP2_V0	2017.10.30	EP21 EP2 Network NCF: 1040766507
7		Tx deleted:
		ACCSysFltSts
		ACCSysSts
		AEBSysFltSts
		AEBSysSts
		·
	2017.11.01	NCFRefNoFVCM updated
		Tx deleted:
		LKAAdoWrnngDspCmd
		LKASnstvtLvl
		El d'Ioliotte
	2017.11.20	Tx deleted:
	2017.11.20	LKASnstvtLvl
		LKAAdoWrnngDspCmd

### 2 REFERRED DOCUMENTS

References are made to the following documents:

- [1] SMTC 2 800 002 CAN Node Design Requirements
- [2] SMTC 2 800 003 LIN Node Design Requirements
- [3] "Volcano Concept Overview, V5-gen-006 rev C
- [4] "Volcano 5 signal timing model, V5-cfg-003 rev 03

### 3 GENERAL

### 3.1 Document description

This document (Network Requirement Specification, doc type: NRS) is a complementary document to the specification for the ECU. It is automatically generated from the network design tool. NRS is the update version of SWRS(Software Requirement Specification), and covers all content of SWRS. In addition the information of hardware interface is added to NRS.

The signal definitions in this document (Signal specification) shall be regarded as the valid definition, if the information in the NRS specification and the Signals Database are contradictory.

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		EE.VI.EP21.024	EP21_ V07		8 (72)

### 4 INTERFACE REQUIREMENTS

### 4.1 Hardware interface

In EP21 program, FVCM isn't regular termination node, high impedance termination concept or non termination concept should be used according to referred document [1].

### 4.2 Overview of signals

**Transmitted Signals**AutoMainBeamLghtReq

Subscriber Nodes
Body\_Controller, IPK

DiagnosticRespFVCM Diagnostics

DistSinceTrgtCamr VCU
DTCInfomationFVCM TBOX
FVCMBlkd FICM, IPK

FVCMCalPrgsReq IPK

FVCMFltSts EPS, FICM, IPK

HandOffStrgWhlDetnSta IPK HandOffStrgWhlDetnStaV IPK

LDWAdoWrnngDspCmd FICM, IPK LDWLKADspCmd FICM, IPK LDWLKAHapticWrnngDspCmd FICM

LDWLKALVsulznReq FICM, IPK LDWLKARVsulznReq FICM, IPK EPS, FICM LDWLKAVbnLvlReq LDWSnstvtLvl **FICM LDWSysFltSts** FICM, IPK **LDWSysSts** FICM, IPK LKAAlvRC **EPS** LKADrvrTkovReq EPS, IPK LKAReqToq **EPS EPS** LKAReqToqPV LKAReqToqSts **EPS EPS** LKAReqToqV

LKASysSts EPS, FICM, IPK
SpdAstReqStsCamr VCU
TJAICADspCmd FICM, IPK
TJAICASysFitSts EPS, FICM, IPK

EPS, IPK

EPS, FICM, IPK

TrgtSpdReqCamr VCU

LKASysFltSts

**TJAICASysSts** 

Received Signals Publisher Node

ABSA SCSABS
ABSF SCSABS
AccelActuPos Tester
AccelActuPosV Tester
AccelEfctvPos Tester

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Document Type

Document Title

NETWORK REQUIREMENT SPECIFICATION

EE.VI.EP21.024 Issue Index FP21 Volume No Page No Page

AirbagDpl **SDM** AirbagDpllnvsn **SDM BCMAvlbly** GW GW **BPMMstrAvIbly** BrkPdIDrvrAppdPrs **SCSABS** BrkPdlDrvrAppdPrsAlvRC SCSABS BrkPdIDrvrAppdPrsV **SCSABS** CalendarDay IPK CalendarMonth **IPK** CalendarYear **IPK EPS ChLKAAlvRC ChLKACtrlSts EPS** ChLKARespToq **EPS** ChLKARespToqPV **EPS** ChLKARespToqV **EPS** ClstrDspdVehSpd IPK

DiagnosticFuncAddrReq Diagnostics DiagnosticReqFVCM Diagnostics DipdBeamLghtOn Body\_Controller DircnIndLampSwSts Body\_Controller

DrvrSbltAtc **SDM** DrvrSbltAtcV **SDM EPS** DrvrStrgDlvrdToq DrvrStrgDlvrdToqV **EPS** DspMeasSys **IPK ECMAvIbly** GW En12VoltStrMotCmddOn Tester EnASSSta Tester EnRunA Tester EnSpd Tester **EPTAccelActuPos** VCU **EPTAccelActuPosV** VCU **EPTAccelEfctvPos VCU** EPTBrkPdlDscrtInptSts **VCU** EPTBrkPdlDscrtInptStsV **VCU EPTRdy VCU EPTStCmdOn** VCU **FICMAvIbly** GW

Body\_Controller FrtFogLghtOn FrtWiperParkPosA Body\_Controller FrtWiperSwSts Body\_Controller FrtWshrPumpA Body\_Controller

**HCUAvIbly** GW **IPK** HourOfDay **IPCAvIbly** GW

Body\_Controller LDircnIndLghtF **LDircnIO Body Controller** 

LDrvnWhlRotlDircn **SCSABS** LDWAdoWrnngReq **FICM** LDWLKAHapticWrnngReq FICM LDWLKASwReq **FICM** 

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NETWORK REQUIREMENT SPECIFICATION

Document No	Issue Index	Volume No	Page No
EE.VI.EP21.024	EP21_ V07		10 (72)

FICM LDWSnstvtLvIReq LNonDrvnWhlRotlDircn **SCSABS** Body\_Controller MainBeamLghtOn MinuteOfHour **IPK** GW OtsdAirTemCrVal GW OtsdAirTemCrValV PtBrkPdlDscrtInptSts Tester PtBrkPdlDscrtInptStsV Tester PwrMdMstrAccryA GW PwrMdMstrRunCrkA GW **Body Controller** RDircnIndLghtF **RDircnIO** Body\_Controller RDrvnWhlRotlDircn **SCSABS** RNonDrvnWhlRotlDircn **SCSABS** RrFogLghtOn Body\_Controller RstrFctryDeftsReq **FICM SDMAvIbly** GW **SDMRC SDM** SecsOfMinute **IPK** SpdAstMdECM VCU SpdAstSysStsECM **VCU** SpdAstSysTrgtSpd **VCU** StrgWhlAng **EPS** StrgWhlAngAlvRC **EPS** StrgWhlAngExtdPV**EPS** StrgWhlAngGrd **EPS** StrgWhlAngSnsrCalSts **EPS** StrgWhlAngSnsrChksm **EPS** StrgWhlAngSnsrFlt **EPS** StrgWhlAngSnsrInid **EPS** StrgWhlAngSnsrMultCapb EPS StrgWhlAngV **EPS** SysBPM Body\_Controller SysBPMEnbd Body\_Controller SysOpnlMd GW GW SysPwrMd GW SysVol SysVolMd GW SysVolMdV GW SysVolV GW **TBOXAvIbly** GW **TCMAvlbly** GW **TCSA SCSABS TCSOpngMd SCSABS TCSOpngSts SCSABS TJAICASwReq FICM** TrEstdGear **VCU** TrEstdGearV **VCU** TrgtSpdSrcSts **VCU** TrShftLvrPos **VCU TrShftLvrPosV** VCU Document Title

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NETWORK REQUIREMENT SPECIFICATION

| Same Index | Volume No | Page No | | EP21 | V07 | | T1 (72)

VehDynYawRate **SCSABS** VehDynYawRateV **SCSABS** VehOdo GW VehOdoV GW VehSideLghtSts Body\_Controller **SCSABS** VehSpdAvg VehSpdAvgAlvRC **SCSABS** VehSpdAvgDrvn **SCSABS** VehSpdAvgDrvnV **SCSABS** VehSpdAvgNonDrvn **SCSABS** VehSpdAvgNonDrvnV **SCSABS** VehSpdAvgPV **SCSABS** VehSpdAvgV **SCSABS VSELatAcc SCSABS VSELatAccV SCSABS** VSELongtAcc **SCSABS** VSELongtAccV **SCSABS VSEMd SCSABS VSESts SCSABS VSESysA SCSABS** WhlGndVelDrvnChksm **SCSABS** WhlGndVelDrvnRC **SCSABS** WhlGndVelLDrvn **SCSABS** WhlGndVelLDrvnV **SCSABS** WhlGndVelLNonDrvn **SCSABS** WhlGndVelLNonDrvnV **SCSABS** WhlGndVelNonDrvnChksm SCSABS WhlGndVelNonDrvnRC **SCSABS** WhlGndVelRDrvn **SCSABS** WhlGndVelRDrvnV **SCSABS** WhlGndVelRNonDrvn **SCSABS** WhlGndVelRNonDrvnV **SCSABS** 

### **Constant Signals**

NCFRefNoFVCM

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NETWORK REQUIREMENT SPECIFICATION

EE.VI.EP21.024

Issue Index Volume No EP21\_ V07

12 (72)

Page No

# 4.3 Transmitted signals

Interface: FVCM\_HSC2

	AutoMainBeamLghtReq							
Size [bits] Type Unsigned Info Type State			<b>Generatio</b> <b>Type</b> Periodic	1	Group I		Update Bit No	Initial Value 0
Timings:	Interface N	lode Pub	Latency [ms	s] W	rite Interv	al [ms]		
	FM_Normal_HS 10.000 0.000							
Encoding	ding Name: AutoMainBeamLghtReqET							
type:	Size: 2	2 bits						
	Values: 1	Гуре	Value	Scale	Offset	Interpret	tation	
	l L	_ogical Value	e 0			No Request		
	L	ogical Value	e 1			Request	ON from car	mera
	L	₋ogical Value	e 2			Request	OFF from ca	amera
	Logical Value 3 cannot detected the environment							

	DiagnosticRespFVCM											
Size [bits]	<b>Type</b> Bytes	Info Type State	Generation Type Sporadic	Group Name DIAG_PhysResp_FVCM	<b>Update</b> <b>Bit</b> No	Initial Value 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x0						
Timings:	Interface N	/lode Pu	ıb. Latency [ms]	Write Interval [ms]								
	FM_Norma	al_HS 5.0	000	10.000								
	FM_Quiet_	HS 5.0	000	10.000								
	FM_Silent_	_HS 5.0	000	10.000								
Description:	Description: Diagnostic response from FVCM											

			DistS	inceTrgtC	amr		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	<b>Group Name</b> N/A		Update Bit No	Initial Value
Timings:	Interface N FM_Norma		Latency [ms]	Write In	terval [ms]		
Encoding type:	Name: Size: Values:	DistSince 8 bits Type Physical F	TrgtCamrET	<b>Value</b> 0 - 255	<b>Scale</b> 8.235	Offset -100	Interpretation m

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		EE.VI.EP21.024	EP21_ V07		13 (72)

			DTCInfo	omationFVCM		
Size [bits] 56	<b>Type</b> Bytes	Info Typ State		<b>Group Name</b> N/A	Update Bit No	Initial Value 0x00 0x00 0x00 0x00 0x00 0x00 0x00
Timings:	Interface N FM_Norma		Pub. Latency [ms]	Write Interval [ms] 1000.000		
Description:	DTC Infoma The length Byte 0 is M For each by Byte 0: Bit (7-4): D Bit (3-0): Re Byte 1: Bit (7-0): D Byte 3: Bit (7-0): D Byte 3: Bit (7-0): D Byte 4: Bit (7-0): D Byte 5: Bit 7: warni Bit 6: testNo Bit 5: testFa Bit 4: testNo Bit 5: testFa Bit 4: testNo Bit 5: pendi Bit 1: testFa Bit 0: testFa Byte 6: Byte	ation of F of DTC in SB (most yte, Bit 7 i TC Seriou eserved  TCHighBy TCLowBy TCFailure ngIndicat otComple ailedSince otComple medDTC ngDTC ailedThisC ailed TC Type	offormation signal is a significant byte), are is msb (most significant byte). The construction of the con	nd Byte 6 is LSB (least scant bit), and Bit 0 is Isb		

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			F	VCMBI	kd			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	•	Update Bit No	Initial Value false
Timings:	Interface N FM_Norma		Latency [ms]	<b>Write</b> 0.000	Interval [m	ıs]		
Encoding type:	Name: Size:	FVCMBII 1 bit	<b>kdET</b>					
	Values:	<b>Type</b> Logical V Logical V	alue (	<b>/alue</b> ) I	Scale	Offs		t <b>erpretation</b> ulse ue

			FVC	MCalPr	gsReq			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	Group Name N/A		Update Bit No	Initial Value 0
Timings:	Interface M	lode Pub	. Latency [ms]	Write	Interval	[ms]		
	FM_Norma	I_HS 10.0	00	0.000				
Encoding	Name:	FVCMCalPr	gsReqET					
type:	Size:	3 bits						
	Values:	Туре	Value	Scale	Offset	Interp	retation	
		Logical Valu	ie 0			no rec	quest	
		Logical Valu	ie 1			0% (C	alibration S	tarted)
		Logical Valu	e 2			25%(0	Calibration in	n progress)
		Logical Valu	ie 3			50% (	Calibration i	n progress)
		Logical Valu	e 4			75% (	Calibration i	n progress)
		Logical Valu	ie 5			100%	(Calibration	Finished)
		Logical Valu	ie 6			calibra	ation failed	
		Logical Valu	ie 7			reserv	⁄ed	

			F۱	/CMFIt	Sts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A		Update Bit No	Initial Value 0	
Timings:	Interface M	lode Pub.	Latency [ms]	Write	Interval [m	s]		
	FM_Norma	I_HS 10.0	00	0.000				
Encoding	Name:	FVCMFIt	StsET					
type:	Size:	2 bits						
	Values:	Type	V	/alue	Scale	Off	set Int	erpretation
		Logical V	alue 0	)			No	Fault
		Logical V	alue 1				Fa	ult
		Logical V	alue 2				Re	served
		Logical V	alue 3	1			Re	served

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		15 (72)

			HandOff	StrgWh	IDetnSta			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Group Name N/A		Update Bit No	Initial Value 1	
Timings:	Interface N	lode Pub	. Latency [ms]	Write	Interval [m	s]		
	FM_Norma	I_HS 10.0	00	0.000				
Encoding	Name:	HandOff	StrgWhlDetnSta	ET				
type:	Size:	2 bits						
	Values:	Type	V	alue	Scale	Off	set Int	terpretation
		Logical V	alue 0				Ha	ands Off
		Logical V	alue 1				Ha	ands On
		Logical V	alue 2				un	know
		Logical V	alue 3				Re	eserved

			HandOffS	StrgWh	DetnStaV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	•	Update Bit No	Initial Value
Timings:	Interface N FM_Norma		Latency [ms]	<b>Write</b> 0.000	Interval [m	s]		
Encoding type:	Name: Size:	1 bit	StrgWhlDetnSta			0.00		
	Values:	<b>Type</b> Logical V Logical V	alue C	/alue	Scale	Off	V	<b>nterpretation</b> ′alid nvalid

			LDWAdd	Wrnng	DspCmd			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A		Update Bit No	Initial Value 2	
Timings:	Interface M	lode Pub.	Latency [ms]	Write	Interval [m	s]		
	FM_Norma	I_HS 10.0	00	0.000				
Encoding	Name:	LDWAdo	WrnngDspCmd	ET				
type:	Size:	2 bits						
	Values:	Type	V	/alue	Scale	Offs	et Int	erpretation
		Logical V	alue 0	)			Un	available
		Logical V	alue 1				off	
		Logical V	alue 2	!			on	
		Logical V	alue 3	}			res	served

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		16 (72)

			LDWI	KADsp	Cmd			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Gr	<b>Group Name</b> N/A		Update Bit No	Initial Value 1
Timings:	Interface N	/lode Pub	. Latency [ms]	Write	Interval [ı	ms]		
	FM_Norma	ILHS 10.0	00	0.000				
Description:	Lane Depa	rture Warnin	g Lane Keeping	Assist D	isplay Co	mmand		
Encoding	Name:	LDWLKAD	spCmdET					
type:	Size:	3 bits						
	Values:	Туре	Value	Scale	Offset	Interp	retation	
		Logical Valu	ie 0			Unava	ailable	
		Logical Valu	ie 1			off		
		Logical Valu	ie 2			LDW		
		Logical Valu	ie 3			LDP(I	nclude LD'	W warning)
		Logical Valu	ie 4			LKA		
		Logical Valu				reserv	/ed	
		Logical Valu				reserv	/ed	
		Logical Valu	ie 7			reserv	/ed	

			LDWLKAHap	oticWrr	ngDspCm	d		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	U	pdate Bit No	Initial Value 2
Timings:	Interface N	lode Pub	. Latency [ms]	Write	Interval [n	ns]		
	FM_Norma	I_HS 10.0	00	0.000				
Description:	Lane Depa	rture Warnin	g Lane Keeping	Assist I	Haptic War	ning Displ	ay Comn	nand
Encoding	Name:	LDWLKA	HapticWrnngD	spCmd	ET			
type:	Size:	2 bits						
	Values:	Type	V	alue	Scale	Offset	Inte	erpretation
		Logical V	alue 0				una	ıvailable
		Logical V	alue 1				off	
		Logical V	alue 2				on	
		Logical V	alue 3				rese	erved

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		17 (72)

			LDWLK	ALVsulznR	eq		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	<b>Group Name</b> N/A		Update Bit No	Initial Value 0
Timings:	Interface N		. Latency [ms]	Write Inte	rval [ms]		
Description:	_		g Lane Keeping	Assist Left \	/isualizatior	Request	
Encoding type:	Name: Size:	LDWLKAL 3 bits	.VsulznReqET				
	Values:	Type Logical Val	lue 1 lue 2 lue 3 lue 4 lue 5 lue 6	e Scale	Offset	Interpreta no display line trackir interventio warning interventio Reserved Reserved Reserved	ng

	LDWLKARVsulznReq									
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	<b>Group Name</b> N/A		Update Bit No	Initial Value 0			
Timings:	Interface N FM_Norma		. Latency [ms]	Write Inter	rval [ms]					
Description:	Lane Depai	rture Warnin	g Lane Keeping	Assist Right	Visualizatio	n Request				
Encoding type:	Name: Size:	LDWLKAR 3 bits	RVsulznReqET							
	Values:	Type Logical Val	lue 1 lue 2 lue 3 lue 4 lue 5 lue 6	e Scale	Offset	Interpreta no display line trackir intervention warning intervention Reserved Reserved Reserved	ng			

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		18 (72)

			LDWL	KAVbn	LvIReq			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface N FM_Norma		Latency [ms]	Write 0.000	Interval [m	s]		
Encoding type:	Name: Size:	LDWLKA 2 bits	VbnLvlReqET					
	Values:	<b>Type</b> Logical V Logical V Logical V	alue 0 alue 1	alue	Scale	Off	no Le	rerpretation request vel 1 vel 2
		Logical V	alue 3				Le	vel 3

			LDW	/Snstv	tLvI			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	)	Update Bit No	Initial Value 2
Timings:	Interface N FM_Norma		. Latency [ms]	<b>Write</b> 0.000	Interval [n	าร]		
Description:	Lane Depa	rture Warnin	g Sensitivity Lev	el				
Encoding type:	Name: Size:	LDWSns 2 bits	tvtLvIET					
	Values:	Type Logical V Logical V Logical V Logical V	alue 0 alue 1 alue 2	alue	Scale	Off	un Lo	andard

			L	DWSysI	-ItSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic		<b>Group Na</b> N/A	me	Update Bit No	Initial Value 0
Timings:	Interface N FM_Norma		. Latency [ms]	] Writ 0.00	<b>e Interval</b> 0	[ms]		
Encoding type:	Size:	LDWSysFlt 3 bits Type	Value	Scale	Offset	•	retation	
		Logical Valu Logical Valu Logical Valu Logical Valu	le 1 le 2 le 3			system service	nance degra n temporary e required	
		Logical Valu Logical Valu Logical Valu Logical Valu	ie 5 ie 6			Reserv Reserv Reserv Reserv	ved ved	

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		19 (72)

				LD	WSysSts	3			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generat Type Period		Gro	up Name N/A	•	Update Bit No	Initial Value 0
Timings:	Interface M	lode Pub	. Latency [	ms]	Write In	terval [m	าร]		
	FM_Norma	I_HS 10.0	00		0.000				
Encoding	Name:	LDWS	ysStsET						
type:	Size:	3 bits							
	Description	: 2017.0	5.05: 0x4 cl	nange	d 0x5 cha	anged			
	Values:	Type		Value	Scale	Offset	Inte	rpretation	
		Logical	Value	0			Off		
		Logical	Value	1			Stan	d by	
		Logical	Value	2			Activ	/e	
		Logical	Value	3			Ove	rride	
		Logical	Value	4			serv	ice required	
		Logical	Value	5			syste	em tempora	ry unavailable
		Logical	Value	6			rese	rved	
		Logical	Value	7			rese	rved	

	LKAAIvRC											
Size [bits]	Type Unsigned State Generation Type Periodic			Gro	up Name N/A	Update Bit No	Initial Value					
Timings: Interface Mode Pub. Latency [ms] Write Interval [ms] FM_Normal_HS 10.000 0.000												
Encoding type:	Name: Size:	LKAAlvR 4 bits	CET									
	Values:	<b>Type</b> Physical F	Range	<b>Value</b> 0 - 15	Scale 1	<b>Offset</b> 0	Interpretation					

	LKADrvrTkovReq											
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	•	Update Bit No	Initial Value 0				
Timings: Interface Mode Pub. Latency [ms] Write Interval [ms] FM_Normal_HS 10.000 0.000												
Encoding type:	Name: Size: Values:	LKADrvr 1 bit Type Logical V	·-	/alue	Scale	Off		erpretation Ise				
		Logical V					Tru					

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
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Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT S	DECIFIC	ATION
Approved by			1		
		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		20 (72)

	LKAReqToq										
Size [bits]	11 Unsigned State Periodic				<b>p Name</b> N/A	Update Bit No	Initial Value 0				
Timings:					erval [ms]						
Encoding type:	Name: Size: Values:	LKAReqT 11 bits Type Physical R	·	<b>Value</b> 0 - 2047	<b>Scale</b> 0.01	Offset -10.24	Interpretation Nm				

	LKAReqToqPV											
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Group Name N/A		Update Bit No	Initial Value 0					
Timings:	Interface M	rval [ms]										
	FM_Norma	I_HS 10.0	00	0.000								
Encoding	Name:	LKAReqT	oqPVET									
type:	Size:	14 bits										
Values: <b>Type Value Scale Offset Interpretation</b>												
		Physical R	ange C	- 16383	1	0						

	LKAReqToqSts											
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	•	Update Bit No	Initial Value 0				
Timings:	Interface M	lode Pub.	Latency [ms]	Write	Interval [m	s]						
	FM_Norma	I_HS 10.0	00	0.000								
Encoding	Name:	LKAReq	ΓoqStsET									
type:	Size:	2 bits										
	Values:	Type	V	'alue	Scale	Off	set Int	terpretation				
		Logical V	alue 0				no	request				
		Logical V	alue 1				tor	que request				
		Logical V	alue 2				res	served				
		Logical V	alue 3				res	served				

	LKAReqToqV											
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A Update Bit No				Initial Value 0				
Timings:	Interface N FM_Norma		Latency [ms]	<b>Write</b> 0.000	Interval [m	s]						
Encoding type:	Name: Size: Values:	LKAReq <sup>-</sup> 1 bit Type	•	/alue	Scale	Offs	et Int	erpretation				
		Logical V Logical V					Va	lid valid				

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Approved by		Document No		Issue Index	Volume No	Page No
		EE.VI.	EP21.024	EP21_ V07		21 (72)

			L	KASysl	-ItSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	ı	Group Name N/A		Update Bit No	Initial Value 0
Timings:	Interface N	lode Pub	. Latency [ms	] Writ	e Interval	[ms]		
	FM_Norma	I_HS 10.0	00	0.00	0			
Encoding	Name:	LKASysFltS	StsET					
type:	Size:	3 bits						
	Values:	Туре	Value	Scale	Offset	Interp	retation	
	I	Logical Valu	e 0			no erro	or	
		Logical Valu	e 1			perforr	mance degra	adation
		Logical Valu	e 2			system	n temporary	unavailable
		Logical Valu	e 3			service	e required	

			L	KASys	Sts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	•	<b>Update</b> <b>Bit</b> No	Initial Value 0
Timings:	Interface M	lode Pub	Latency [ms]	Write	Interval [m	ıs]		
	FM_Norma	I_HS 10.0	00	0.000				
Encoding	Name:	LKASys	StsET					
type:	Size:	3 bits						
	Values:	Type	,	<b>Value</b>	Scale	Offse	et Int	erpretation
		Logical V	alue	)			Off	f
		Logical V	alue	1			Sta	and by
	Logical Value						Ac	tive
		Logical V	alue :	3			Ov	rerride

	SpdAstReqStsCamr											
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	)	Update Bit No	Initial Value 1				
Timings:	Interface N FM_Norma		Latency [ms]	<b>Write</b> 0.000	Interval [m	s]						
Encoding type:	Name: Size:		eqStsCamrET									
	Values:	<b>Type</b> Logical V Logical V Logical V	alue 0 alue 1		Scale	Off	Fa Un	erpretation ult defined tive				

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		22 (72)

			TJAI	CADsp	Cmd			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A		Update Bit No	Initial Value 1
Timings:	Interface N	lode Pub	. Latency [ms]	Write	Interval [m	s]		
	FM_Norma	I_HS 10.0	00	0.000				
Description:	Traffic Jam	Assist Integ	rated Cruise Ass	ist Disp	lay Comma	nd		
Encoding type:	Name: Size:	TJAICAD 2 bits	SpCmdET					
	Values:	Туре	V	alue	Scale	Off	set Int	erpretation
		Logical V	alue 0				un	available
		Logical V	alue 1				off	
		Logical V	alue 2				on	
		Logical V	alue 3				res	served

			TJA	ICASys	FltSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	(	Group Na N/A	me	Update Bit No	Initial Value 0
Timings:	Interface N	/lode Pub	. Latency [ms	] Write	e Interval	[ms]		
	FM_Norma	I_HS 10.0	00	0.00	0			
Description:	Traffic Jam	Assist Integ	rated Cruise A	ssist Fa	ult Status			
Encoding	Name:	TJAICASys	FItStsET					
type:	Size:	3 bits						
	Values:	Туре	Value	Scale	Offset	Interp	retation	
		Logical Valu	e 0			no erro	or	
		Logical Valu	e 1			perforr	mance degra	dation
		Logical Valu	e 2			system	n temporary u	ınavailable
		Logical Valu	e 3			service	e required	
		Logical Valu	e 4			Reserv	ved	
		Logical Valu	e 5			Reserv	ved	
		Logical Valu	e 6			Reserv	ved	
		Logical Valu	e 7			Reserv	ved	

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Approved by					
		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.0	024   EP21_   V07		23 (72)

			TJA	ICASys	Sts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface N	lode Pub	. Latency [ms]	Write	Interval [m	s]		
	FM_Norma	I_HS 10.0	00	0.000				
Description:	Traffic Jam	Assist Integ	rated Cruise Ass	ist Sys	tem Status			
Encoding	Name:	TJAICAS	SysStsET					
type:	Size:	3 bits						
	Values:	Type	V	alue	Scale	Offs	et In	terpretation
		Logical V	alue 0				Of	f
		Logical V	alue 1				St	and by
		Logical V	alue 2				Ac	ctive
		Logical V	alue 3				O	verride
		Logical V	alue 4				re	served
		Logical V	alue 5				re	served
		Logical V	alue 6				re	served
		Logical V	alue 7				re	served

			TrgtS	SpdReqC	amr		
Size [bits] 15	Type Unsigned	Info Type State	Generation Type Periodic	Gro	oup Name N/A	Update Bit No	Initial Value
Timings:	Interface N FM_Norma		. Latency [ms]	Write In 0.000	iterval [ms]		
Encoding type:	Name: Size: Values:	TrgtSpdRe 15 bits Type	eqCamrET Val	ue	Scale	Offset	Interpretation

		Document Title SAIC MOTOR SIG FVCM	NAL SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQU	IREMENT S	PECIFICA	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		24 (72)

# 4.4 Received signals

Interface: FVCM\_HSC2

				ABSA				
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd Bi	it	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/l	Function	[ms	o. Latency s] 000	Max. A [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size: Values:	ABSAET 1 bit Type		Value	Scale	Offset	Inte	rpretation
		Logical V		0			Fals True	se

				ABSF			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	initiai vaiue false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	[ms	b. Latency [3] [000	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	ABSFET 1 bit		Value	Scale	Offset	Interpretation
	values.	<b>Type</b> Logical Va Logical Va	alue	0 1	Scale	Onset	False True

			Acc	celActul	Pos		
Size [bits] 8	<b>Type</b> Unsigned	Info Type State	<b>Generation</b> <b>Type</b> Periodic	Gr	oup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	AccelActu 8 bits Type Physical R	V	<b>alue</b> - 255	<b>Scale</b> 0.392157	Offset 0	Interpretation %

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT S	DECIFIC	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07	volume NO	25 (72)

			Acc	elActuF	PosV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	-	Max. Ag [ms] 500.000	e Read Interval [ms]
Encoding type:	Name: Size: Values:	AccelAct 1 bit Type Logical V Logical V	alue (	<b>/alue</b> )	Scale	Offset	Interpretation Valid Invalid

			Ac	celEfctv	Pos		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM Normal HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	AccelEfctv 8 bits Type Physical Ra	\	<b>/alue</b> ) - 255	<b>Scale</b> 0.392157	Offset 0	Interpretation %

				4irbagD∣	pl			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	'i	<b>date</b> <b>3it</b> No	<b>Initial Value</b> false
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I I_HS	Function	<b>Suk</b> [ms 10.0	-	<b>Max.</b> [ <b>ms</b> ] 500.0	•	Read Interval [ms]
Encoding type:	Name: Size: Values:	AirbagDr 1 bit Type Logical V Logical V	alue	<b>Value</b> 1	Scale	Offset	<b>Int</b> o Tru Fal	-

-1

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		EE.	VI.EP21.024	EP21_ V07		26 (72)

			Air	bagDpllnvs	sn		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic		u <b>p Name</b> N/A	Update Bit No	Initial Value 1
Timings:	Interface Mode/Fund FM_Norma	c <b>VerFolder/</b> I_HS	Function	<b>Sub. I</b> [ <b>ms</b> ] 10.000	_atency	Max. Age [ms] 500.000	Read Interval [ms]
Description:	Airbag Dep	loyed Invers	ion				
Encoding type:	Name: Size: Values:	AirbagDpl 1 bit Type Logical Va Logical Va	<b>Va</b> l lue 0	ue Scal	e Offset	Airbag De	

			В	BCMAvit	oly			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	i E	date Bit	<b>Initial Value</b> false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]	
Encoding type:	Name: Size:	BCMAvik 1 bit	-	M-1	O a a la	0111	In the	
	Values:	<b>Type</b> Logical V		<b>Value</b> 0	Scale	Offset	I <b>nte</b> Fals	erpretation se
		Logical V	alue	1			Tru	e

			BPN	//MstrA	vlbly		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	t Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	<b>Suk</b> [ms	•	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	BPMMstr 1 bit Type Logical Va Logical Va	alue (		Scale	Offset	<b>Interpretation</b> False True

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Approved by		Document No	1	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07	volume No	27 (72)

			BrkPo	dlDrvrApp	dPrs		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	<b>Sub. I</b> [ms] 10.000	_atency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	BrkPdlDrv 8 bits Type Physical R	vrAppdPrsET	<b>Value</b> 0 - 255	Scale 75	Offset 0	Interpretation kPa

			BrkPdIDr	vrAppdP	rsAlvRC		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	unction	<b>Sub.</b> [ms] 10.00	<b>Latency</b>	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	BrkPdIDr 2 bits Type Physical F	vrAppdPrsAlvR Range	Value 0 - 3	Scale	Offset 0	Interpretation

			BrkPdl	DrvrAp	pdPrsV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd Bi	it	Initial Value 0
Timings:	Interface Mode/Fund	cVerFolder/	Function	Suk [ms	o. Latency	Max. A [ms]	ge	Read Interval [ms]
	FM_Norma	I_HS		10.0	000	500.00	0	
Encoding	Name:	BrkPdIDr	vrAppdPrsVET	•				
type:	Size:	1 bit						
	Values:	Type	V	/alue	Scale	Offset	Inte	rpretation
		Logical V	alue 0	)			Valid	b
		Logical V	alue 1				Inva	lid

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		EE.VI.EP21.024	EP21_ V07		28 (72)

			Ca	lendarDa	У		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	up Name N/A	Update Bit No	e Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	<b>Sub.</b> [ms] 10.00	<b>Latency</b> 0	Max. Age [ms] 500.000	e Read Interval [ms]
Encoding type:	Name: Size: Values:	Calendarl 5 bits Type Physical F	·	<b>Value</b> 0 - 31	Scale	Offset 0	Interpretation days

			Ca	alendarM	onth				
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		odate Bit No	Initial Value 0	
Timings:	<u> </u>		e/FuncVerFolder/Function		Sub. Latency [ms] 10.000		Age	Read Interval [ms]	
Encoding	Name:	Calendar	MonthET						
type:	Size:	4 bits							
	Values:	Type		Value	Scale	Offset	Inte	erpretation	
		Logical Va	alue	0			Un	known	
		Logical Va	alue	1			Jar	nuary	
		Logical Va	alue	2			Fel	oruary	
		Logical Va	alue	3			Ma	rch	
		Logical Va	alue	4			Арі	ril	
		Logical Va	alue	5			Ma	у	
		Logical Va	alue	6			Jur	ne	
		Logical Va	alue	7			Jul	y	
		Logical Va	alue	8			Aug	gust	
		Logical Va	alue	9			Sej	otember	
		Logical Va	alue	10			Oc	tober	
		Logical Va	alue	11			No	vember	
		Logical Va	alue	12			De	cember	

			Ca	alendarYea	r		
Size [bits] 8	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function			Sub. I [ms]	Sub. Latency [ms]		Read Interval [ms]
	FM_Norma	I_HS		10.000	)	500.000	
Encoding type:	Name: Size:	Calendar\ 8 bits	/earET				
	Values:	<b>Type</b> Physical R	ange	<b>Value</b> 0 - 255	Scale 1	Offset 2000	Interpretation year

		Document Title SAIC MOTOR SIGNA FVCM	L SPECI	FICATIO	N
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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		29 (72)

			Ch	LKAAIvR	С		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	up Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	ChLKAAI 4 bits Type Physical F		<b>Value</b> 0 - 15	Scale	Offset 0	Interpretation

				Chl	LKACtr	ISts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generat Type Period		G	roup Nan N/A	ne	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	unction		[ms	o. Latency [3] [000		Max. Age [ms] 50.000	Read Interval [ms]
Encoding type:		ChLKACtrlS 3 bits	StsET						
	Values:	Туре	Val	ıe	Scale	Offset	Inter	pretation	
		Logical Valu	e 4				pre-c	ondition not	satisfied
		Logical Valu	e 0				No re	quest	
		Logical Valu	e 1				Requ	est honored	
		Logical Valu	e 2				lost a	rbitration	
		Logical Valu	e 3				contr	ol not allowe	d for failure
		Logical Valu	e 5				reser	ved	
		Logical Valu	e 6				reser	ved	
		Logical Valu	e 7				reser	ved	

			ChL	KARespTo	pq		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	1	i <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	ncVerFolder/Function		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	ChLKARe 11 bits Type Physical R		<b>Value</b> 0 - 2047	<b>Scale</b> 0.01	Offset -10.24	Interpretation Nm

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07	voidine ivo	30 (72)

			ChLK	ARespToqF	PV		
Size [bits] 15	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A		Update Bit No	Initial Value 0
Timings:		terface ode/FuncVerFolder/Function //_Normal_HS			Sub. Latency [ms] 10.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	ChLKARes 15 bits Type Physical R	-	<b>/alue</b> ) - 32767	Scale	Offset 0	Interpretation

			ChL	KAResp	ТоqV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	b. Latency s] 000	Max. Ag [ms] 50.000	ge Read Interval [ms]
Encoding type:	Name: Size: Values:	ChLKAR 1 bit Type	espToqVET	Value	Scale	Offset	Interpretation
		Logical V Logical V		0 1			Valid Invalid

			Clst	rDspd\	/ehSpd			
Size [bits] 8	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic		<b>Group N</b> N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fur FM_Norm	cVerFolder/ al_HS	Function	[n	ub. Late ns] 0.000	ncy	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	I	ClstrDspdVe 3 bits	hSpdET					
		<b>Гуре</b> Physical Ran <sub>!</sub> ₋ogical Value	•		Offset 0	km/h		g Error of SCS

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		31 (72)

	DiagnosticFuncAddrReq									
Size [bits]	<b>Type</b> Bytes	Info Type State	<b>Generation Type</b> Sporadic	Group Name DIAG_FuncReq_HSC2	Update Bit No	Initial Value 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x0				
Timings:	Interface Mode/Fund	cVerFolder/l	Function		Max. Age [ms]	Read Interval [ms]				
	FM_Norma	ıl_HS		5.000	50.000					
	FM_Quiet_	HS		5.000	50.000					
	FM_Silent_	_HS		5.000	50.000					
Description:	Description: Diagnostic functional address request									

	DiagnosticReqFVCM									
Size [bits]	<b>Type</b> Bytes	Info Type State	<b>Generation Type</b> Sporadic	<b>Group Name</b> DIAG_PhysReq_FVCM	Update Bit No	Initial Value 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x0				
Timings:	Interface Mode/Fund FM_Norma FM_Quiet_ FM_Silent	HS	Function	[ms] 5.000 5.000	Max. Age [ms] 50.000 50.000 50.000	Read Interval [ms]				
Description:	Description: Diagnostic request to FVCM									

			Dipdl	BeamLo	ghtOn			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	:	Initial Value false
Timings:	gs: Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	DipdBear 1 bit Type	mLghtOnET \	/alue	Scale	Offset	Interp	retation
		Logical Va					False True	

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			EE.VI.EP21.024	EP21_ V07		32 (72)

			Dircnlı	ndLamp	SwSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[ms	o. Latency 6] 000	I	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	DircnIndl 2 bits Type Logical Values	alue 0	/alue	Scale	Off	of	terpretation f eft on
		Logical V		=				ght on serve

			D	PrvrSblt A	Atc			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	'i	date Bit No	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	<b>Suk</b> [ms	-	Max. [ms] 500.0	•	Read Interval [ms]
Encoding type:	Name: Size:	DrvrSblt. 1 bit			_			
	Values:	<b>Type</b> Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	<b>Inte</b> Fals Tru	

			Dr	vrSbltA	tcV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initiai value
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I_HS	Function	<b>Suk</b> [ms	-	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	DrvrSblta 1 bit Type Logical V Logical V	<b>\</b> alue (		Scale	Offset	Interpretation Valid Invalid

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		33 (72)

			Drvr	StrgDlvrdT	oq		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic		i <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	DrvrStrgD 11 bits Type Physical R	IvrdToqET ange	<b>Value</b> 0 - 2047	<b>Scale</b> 0.01	<b>Offset</b> -10.24	Interpretation Nm

			DrvrS	StrgDlvr	dToqV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	t Initial value
Timings:	Interface Mode/Fund FM_Norma	<b>:VerFolder/</b> I_HS	Function	[ms	o. Latency s] 000	Max. Ag [ms] 50.000	ge Read Interval [ms]
Encoding type:	Name: Size: Values:	DrvrStrg 1 bit Type Logical V		<b>Value</b> 0	Scale	Offset	Interpretation Valid
		Logical V		1			Invalid

			D:	spMeas	Sys		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	initiai value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Ag [ms] 500.000	[ms]	
Encoding type:	Name: Size: Values:	DspMeas 1 bit Type Logical Value Logical Value	alue	<b>Value</b> 0 1	Scale	Offset	<b>Interpretation</b> kph mph

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.	024 EP21_ V07		34 (72)

			E	CMAvIb	oly		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	t Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	-	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	ECMAvIb 1 bit Type Logical V Logical V	alue (	<b>Value</b> O	Scale	Offset	Interpretation False True

			En12Vol	tStrMot	:CmddOn		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	unction	[ms	o. Latency s] 000	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size:	1 bit	StrMotCmddOr		O a a la	011-11	
	Values:	<b>Type</b> Logical Va Logical Va	alue C	/alue	Scale	Offset	Interpretation False True

EnASSSta									
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Ul	odate Bit No	Initial Value 0	
Timings:	Interface Mode/Fund FM_Norma	[ms]		<b>Max.</b> [ <b>ms</b> ] 500.0	•	Read Interval [ms]			
Encoding type:	Name: Size: Description:		ASSStaET ts ine Auto Stop Sta	art State I	≣T				
	Values:	<b>Typ</b> Log Log Log	•	<b>Value</b> 0 1 2 3	Scale	Offset	Eng Eng Eng	erpretation gine Off gine Running gine Starting gine Stopping	

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Approved by		Document No Issue Index Volume No Page No						
		EE.VI.EP21.024	EP21_ V07		35 (72)			

				EnRun/	4			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd: Bi	t	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	<b>Suk</b> [ms 10.0	-	Max. A [ms] 500.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	EnRunAl 1 bit Type Logical Va Logical Va	alue	<b>Value</b> 0 1	Scale	Offset	<b>Inter</b> False True	-

	EnSpd									
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic		Name I/A	Update Bit No	Initial Value 0			
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Function	Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]			
Encoding type:	Name: Size: Values:	EnSpdET 16 bits Type Physical Ra	-	<b>/alue</b> ) - 65535	<b>Scale</b> 0.25	Offset 0	Interpretation rpm			

			EPTA	ccelAc	tuPos		
Size [bits] 8	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	8 bits Type Physical R	<del>-</del>	<b>alue</b> - 255	<b>Scale</b> 0.392157	Offset 0	Interpretation %

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		36 (72)

			EPTA	ccelAct	uPosV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	initial value
Timings:		face e/FuncVerFolder/Function Normal_HS			Sub. Latency [ms] 10.000		ge Read Interval [ms]
Encoding type:	Name: Size: Values:	EPTAcce 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	Interpretation Valid Invalid

			EPT	AccelEfo	tvPos		
Size [bits]	<b>Type</b> Unsigned	Info Type State	J. IVNA		<b>Group Name</b> N/A		Initial Value 0
Timings:	: Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	EPTAccell 8 bits Type Physical Ra		<b>Value</b> 0 - 255	<b>Scale</b> 0.392157	Offset 0	Interpretation %

			<b>EPTBrkF</b>	dlDscrtInptS	its			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A		Update Bit No	Initial Value 0	
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	Sub. Late [ms] 10.000	ncy	Max. Age [ms] 500.000	Read Interval [ms]	
Encoding type:	Name: Size: Values:	EPTBrkPo 1 bit Type Logical Va Logical Va			Offse		Not Applied	

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Approved by		Document No	Issue Index	Volume No	Page No		
		EE.VI.EP21.024	EP21_ V07		37 (72)		

			<b>EPTBrkP</b>	dlDscrt	InptStsV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	te Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			[ms	Sub. Latency       Max. Ag         [ms]       [ms]         10.000       500.000		[ms]
Description:	Electric Po	wertrain Brak	ke Pedal Discret	e Input	Status Validi	ity	
Encoding type:	Name: Size:	EPTBrkP 1 bit	dlDscrtInptSts	VET			
	Values:	Type	\	/alue	Scale	Offset	Interpretation
		Logical V	alue C	)			Valid
		Logical V	alue 1				Invalid

				EPTRd	у			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upd Bi	t	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]
Encoding type:	Name: Size:	EPTRdyE		N/-1	Ossila	0111	la ta	
	Values:	<b>Type</b> Logical Va Logical Va	alue	<b>Value</b> 0 1	Scale	Offset		r <b>pretation</b> ready dy

			EP	TStCmo	dOn				
Size [bits]	Type Boolean State Generation Type State Periodic			Group Name N/A		Upda Bit No	t   "	Initial Value false	
Timings:		terface ode/FuncVerFolder/Function //_Normal_HS			Sub. Latency [ms] 10.000		ge Re [m	ad Interval s]	
Encoding type:	Name: Size: Values:	EPTStCn 1 bit Type Logical Volume	••••••••••••••••••••••••••••••••••••••		Scale	Offset	Interpret False True	ation	

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		EE.VI.EP21.024	EP21_ V07		38 (72)		

			FI	<b>ICMA</b> vik	oly			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upd Bi	t	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	FICMAvII 1 bit Type Logical V Logical V	\ alue (	-	Scale	Offset	<b>Inte</b> Fals True	-

			Frt	FogLgh	tOn		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	FrtFogLg 1 bit Type		/alue	Scale	Offset	Interpretation
	varaos.	Logical V	alue (	)	Coulo	2301	False True

			FrtWi	perPark	PosA			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	:	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS				o. Latency s] 000	Max. Ag [ms] 500.000	<b>,</b>	Read Interval [ms]
Description:		r Park Position Position for	on Active the Front wiper					
Encoding type:	Name: Size:	FrtWiper 1 bit	ParkPosAET					
	Values:	<b>Type</b> Logical Va Logical Va	alue (	<b>Value</b> 0 1	Scale	Offset	Interpo False True	retation

		SAIC MOTOR FVCM	SIGNAL SPEC	IFICATIO	N			
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Checked by	Xu Jing/ee	71	NETWORK REQUIREMENT SPECIFICATION					
Approved by		Document No	Issue Index	Volume No	Page No			
		EE.VI.EP21.	.024 EP21_ V07		39 (72)			

			FrtW	/iperSw	Sts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gr	oup Namo N/A	е	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			[ms] [ms		Max. Age [ms] 500.000	Read Interval [ms]	
Description:	Front Wipe	r Switch Stat	tus					
Encoding type:	Name: Size:	FrtWiperSv 2 bits	<b>vStsET</b>					
	Values:	Type Logical Valu Logical Valu Logical Valu Logical Valu	ie 1 ie 2	Scale	Offset	wipe wipe	rpretation ers off ers in intermi ers in slow mers in fast me	node

			FrtV	VshrPur	npA		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/ nl_HS	Function	[ms	b. Latency s] 000	Max. Ag [ms] 500.000	[ms]
Description:	Front Wash	ner Pump Ac	tive				
Encoding type:	Name: Size:	FrtWshrf 1 bit	PumpAET				
	Values:	<b>Type</b> Logical V Logical V	alue (	<b>Value</b> O 1	Scale	Offset	Interpretation False True

			H	CUAvibly			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic		p Name N/A	Update Bit No	Initial Value false
Timings:	ings: Interface Mode/FuncVerFolder/Function				atency	Max. Age [ms]	e Read Interval [ms]
	FM_Norma	al_HS		10.000		500.000	
	Detect if sp	ecific ECU is	s available acco	rding to nod	e missing	strategy by	gateway ECU.
Encoding	Name:	Во	oleanET				
type:	Size:	1 b	it				
	Description	n: boo	olean value				
	Values:	Тур	ne .	Value	Scale	Offset	Interpretation
	values.	ועי	,,				interpretation
	values.		jical Value	1			True

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Approved by		Document No	Issue Index	Volume No	Page No
		 EE.VI.EP21.024	EP21_ V07	volume NO	40 (72)

			H	ourOfDay	1		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	up Name N/A	Update Bit No	e Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		e Read Interval [ms]	
Encoding type:	Name: Size: Values:	HourOfDa 5 bits Type Physical F		<b>Value</b> 0 - 23	Scale	Offset 0	Interpretation

				IPCAvlb	ly			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bi No	t	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]
Encoding type:	Name: IPCAvIblyET Size: 1 bit Values: Type Logical Value		<b>Value</b> 0	Scale	Offset	<b>Inter</b> False	pretation	
		Logical V		1			True	_

			LDii	cnIndL	ghtF				
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd Bi	t	Initial Value false	
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			<b>Sub. Latency</b> [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]	
Encoding type:	/pe: Size: 1 bit			/alue	Scale	Offset	Into	rnrotation	
	Values:	<b>Type</b> Logical Va Logical Va	alue (		Scale	Onset	Fals True		

			Document Title SAIC MOTOR SIGNA FVCM	L SPECII	FICATIO	N
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Checked by	Xu Jing/ee		NETWORK REQUIRE	MENT SI	PECIFICA	ATION
Approved by		I	Document No	Issue Index	Volume No	Page No
			EE.VI.EP21.024	EP21_ V07		41 (72)

				LDircnI(	)			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bi No	t	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. A [ms] 500.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	LDircnIO 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	Inter False True	

			LDrv	nWhIRo	tlDircn				
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upo B N	it	Initial Value 3	
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. <i>A</i> [ms] 500.00	•	Read Interval [ms]	
Encoding type:	Name: Size:	LDrvnWh 2 bits	IRotIDircnET						
	Values:	Type		Value	Scale	Offset	Inte	erpretation	
		Logical V	alue	0			Unl	known	
		Logical V	alue	1			For	ward	
		Logical V	alue	2			Bad	ckward	
		Logical V	alue	3			Init	ial/Invalid	

			LDW	AdoWrn	ngReq			
Size [bits]	<b>Type</b> Unsigned	· I IVNA		G	roup Name N/A		Update Bit No	Initial Value 0
Timings:		terface ode/FuncVerFolder/Function //_Normal_HS			Sub. Latency         Max. Age           [ms]         [ms]           10.000         500.000			Read Interval [ms]
Encoding type:	Name: Size: Values:	LDWAdoWrnngReqET 2 bits Type Logical Value Logical Value		<b>Value</b> ) 1	Scale	Offs		<b>erpretation</b> request
		Logical V Logical V		2 3			on res	erved

		 SAIC MOTOR SIGNA	L SPECII	FICATIO	N
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Approved by					
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		42 (72)

			LDWLKAH	lapticV	/rnngReq			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		<b>Update</b> <b>Bit</b> No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	Sub. Latency       Max. Age         [ms]       [ms]         10.000       500.000			s]	Read Interval [ms]
Description:	Lane Depa	rture Warnin	g Lane Keeping	Assist I	Haptic Warn	ing Red	quest	
Encoding type:	Name: Size:	LDWLKA 2 bits	HapticWrnngRe	eqET				
	Values:	Type	V	alue	Scale	Offse	t Int	terpretation
		Logical V	alue 0				no	request
		Logical V	alue 1				off	:
		Logical V	alue 2				on	
		Logical V	alue 3				res	served

			LDW	LKASw	/Req			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	U	<b>pdate</b> <b>Bit</b> No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	o. Latency s] 000	<b>Max</b> [ <b>ms</b> ] 500.	•	Read Interval [ms]
Description:	Lane Depa	rture Warnin	g Lane Keeping	Assist S	Switch Requ	est		
Encoding type:	Name: Size:	LDWLKA 3 bits	SwReqET					
	Values:	Type Logical Volume Logical Volume Logical Volume Logical Volume Logical Volume	alue 0 alue 1 alue 2 alue 3	alue	Scale	Offset		P

			LDW	SnstvtL	.vIReq			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[ms	b. Latency s] 000	[m	ax. Age ns] 00.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	LDWSns 2 bits Type Logical Va		<b>Value</b>	Scale	Offs		erpretation request
		Logical Va Logical Va Logical Va	alue 2	1 2 3			Lov Sta Hiç	andard

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		43 (72)

			LNonD	rvnV	/hIRotIDircr	)		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic		<b>Group Na</b> N/A	me	Update Bit No	Initial Value 3
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function		Sub. Latend [ms] 10.000	Э	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size:	LNonDrvi 2 bits	nWhIRotIDircn	ET				
	Values:	Type Logical Va Logical Va Logical Va Logical Va	ulue 0 ulue 1 ulue 2	alue	Scale	Offse	No mo Movin	g forward g backward

			Mair	BeamL	ghtOn			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upd Bi	t	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	<b>Suk</b> [ms	•	Max. A [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size:	MainBea 1 bit	mLghtOnET					
	Values:	<b>Type</b> Logical Va Logical Va	alue	<b>Value</b> 0 1	Scale	Offset	Inte Fals True	

			Mir	nuteOfHo	ur		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	up Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	MinuteOf 6 bits Type Physical F		<b>Value</b> 0 - 59	Scale 1	Offset 0	Interpretation

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT S	DECIFIC	ATION
Approved by			1		
pp. 0 . 0 u 2 y		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		44 (72)

			Otso	lAirTemCr	Val		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	OtsdAirTe 8 bits Type Physical R	emCrValET	<b>Value</b> 0 - 255	Scale 0.5	Offset -40	Interpretation degC

			Otsd	AirTem	CrValV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	b. Latency s] 000	Max. Ag [ms] 500.000	e Read Interval [ms]
Encoding type:	Name: Size: Values:	OtsdAirT 1 bit Type	emCrValVET	Value	Scale	Offset	Interpretation
	values.	Logical V Logical V	alue	0 1	Ocale	Onset	Valid Invalid

			PtBrkP	dIDscrtInptSt	S			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	<b>Group N</b> N/A	ame	Update Bit No	Initial Value 0	
Timings:		cVerFolder/	Function	Sub. Late [ms]	Ī	Max. Age [ms]	Read Interval [ms]	
Encoding	FM_Norma		DscrtInptStsET	10.000	•	500.000		
type:	Size:	1 bit	23Ci tiliptot3L i					
	Values:	Type	Valu	ue Scale	Offset	Interpre	etation	
		Logical Va	lue 0			Brake N	lot Applied	
	Logical Value 1					Brake A	Applied	

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT S	PECIFIC	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07	voidine NO	45 (72)

			PtBrkPc	llDscrtl	nptStsV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initial value
Timings:	Interface Mode/Fund FM_Norma	c <b>VerFolder/</b> l	Function	<b>Suk</b> [ms 10.0	•	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	PtBrkPdl 1 bit Type Logical V Logical V	alue 0	'alue	Scale	Offset	Interpretation Valid Invalid

			PwrN	/ldMstrA	ccryA		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	initial value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			[ms	b. Latency [3] [000	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	1 bit	strAccryAET	Value	Scale	Offset	Interpretation
	values:	<b>Type</b> Logical Va Logical Va	alue	<b>Value</b> 0 1	Scale	Onset	Interpretation Inactive Active

			PwrMe	dMstrRι	ınCrkA				
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	'E	<b>date</b> Bit No	Initial Value 0	
Timings:	ings: Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. [ms] 500.0		Read Interval [ms]	
Encoding type:	Name: Size:	PwrMdM 1 bit	strRunCrkAET						
	Values: <b>Type</b> Logical Value Logical Value		alue (	<b>Value</b> ) 1	Scale	Offset	Ina	erpretation active tive	

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT SI	PECIFICA	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		46 (72)

			RDir	rcnIndL	ghtF		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initiai value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency         Max           [ms]         [ms]           10.000         500.			[ms]
Encoding type:	Name: Size: Values:	RDircnIn 1 bit Type Logical V Logical V	alue C		Scale	Offset	<b>Interpretation</b> False True

				RDircnl	0		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			<b>Suk</b> [ms 10.0	-	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	RDircnIO 1 bit Type		Value	Scale	Offset	Interpretation
	varace.	Logical Va	alue	0	Coulo	<b>G</b> GGT	False True

			RDrv	nWhlRo	tlDircn				
Size [bits]	<b>Type</b> Unsigned	i i ivne		G	<b>Group Name</b> N/A		<b>Jpdate</b> <b>Bit</b> No	Initial Value 3	
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			[ms] [ms]			Max. Age Read Interval [ms] [ms]		
Encoding type:	Name: Size:	RDrvnWl 2 bits	nIRotIDircnET						
	Values:	Type Logical Value Logical Value Logical Value Logical Value	alue alue alue	<b>Value</b> 0 1 2 3	Scale	Offse	Un Fo Ba	erpretation known rward ckward ial/Invalid	

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Approved by			1		
7.pp.0.00		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		47 (72)

			RNonI	OrvnV	VhIRotIDircr	1		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic		<b>Group Name</b> N/A		Update Bit No	Initial Value 3
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I_HS	Function		Sub. Latency         Max. Age           [ms]         [ms]           10.000         500.000			Read Interval [ms]
Encoding type:	Name: Size: Values:	RNonDrvi 2 bits Type	nWhlRotlDirci	nET /alue	Scale	Offse	et Interp	retation
		Logical Va Logical Va Logical Va Logical Va	llue 1 llue 2	!	0		No mo Moving	oving g forward g backward

			Rr	FogLgh	tOn			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd Bi	t	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms	b. Latency [3] [000	Max. A [ms] 500.00	9	Read Interval [ms]	
Encoding type:	Name: Size: Values:	RrFogLg 1 bit Type		Value	Scale	Offset	Interp	retation
		Logical Va		0 1			False True	

			Rstrl	FctryDef	tsReq		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			[ms	o. Latency s] 000	Max. Ag [ms] 500.000	e Read Interval [ms]
Encoding type:	Name: Size: Values:	RstrFctry 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	Interpretation False True

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT SI	PECIFICA	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		48 (72)

			S	<b>SDMA</b> vIb	ly		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	-	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	SDMAvIb 1 bit Type Logical V Logical V	alue	<b>Value</b> 0	Scale	Offset	Interpretation False True

				SDMRC				
Size [bits]	<b>Type</b> Unsigned	Info Type State Generation Type Periodic		Gro	<b>Group Name</b> N/A		Initial Value 0	
Timings:	Interface Mode/FuncVerFolder/Function FM Normal HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]		
Encoding type:	Name: Size: Values:	SDMRCE 2 bits Type Physical R	-	<b>Value</b> 0 - 3	Scale	Offset 0	Interpretation	

			Sec	csOfMinu	te			
Size [bits]	Unsigned State Periodic			<b>Group Name</b> N/A		Update Bit No	Initial Value 0	
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]		
Encoding type:	Name: Size: Values:	SecsOfMi 6 bits Type Physical F		<b>Value</b> 0 - 59	Scale	Offset 0	Interpretation	

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N		
Originated by	Li Huatu/ee	Document Type					
Checked by	Xu Jing/ee	NETWORK REQUIREMENT SPECIFICATION					
Approved by		Document No	Issue Index	Volume No	Page No		
		EE.VI.EP21.024	EP21_ V07		49 (72)		

			Spd	AstMd	ECM			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	Sub. Latency [ms] 10.000			Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	SpdAstM 2 bits Type Logical V Logical V Logical V	Nalue 0 alue 1 alue 2		Scale	Off	Of SI M	LIF SA
		Logical V	alue 3	<b>.</b>			IS	A

			;	SpdA	stSysSts	ECM			
Size [bits]	<b>Type</b> Unsigned	Info Type State	General Type Period	<b>;</b>	Gro	oup Name N/A	•	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function		<b>Sub.</b> [ms] 10.00	<b>Latency</b>	[	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:		SpdAstSys 3 bits	StsECME	T					
	Values:	Туре	V	alue	Scale	Offset	Inte	erpretation	
		Logical Valu	ie 0				Off		
		Logical Valu	ie 1				Act	ive (Limiting	)
		Logical Valu	ie 2				Sta	ndby	
		Logical Valu	ie 3				Ent	ry Condition	s Incorrect
		Logical Valu	ie 4				Ove	erspeed	
		Logical Valu	ie 5				Fau	ılt	
		Logical Valu	ie 6				Act	ive (Passive	)
		Logical Valu	ie 7				Res	served	

			SpdA	stSysTrg	tSpd		
Size [bits] 15	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	c <b>VerFolder/</b> l l_HS	Function	[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]
Encoding type:	Name: Size: Values:	SpdAstSys 15 bits Type Physical Ra		l <b>ue</b> 32767	<b>Scale</b> 0.015625	Offset 0	Interpretation

		SAIC MOTOR SIGNA	AL SPECI	FICATIO	N		
Originated by	Li Huatu/ee	Document Type					
Checked by	Xu Jing/ee	NETWORK REQUIREMENT SPECIFICATION					
Approved by		_					
		 EE.VI.EP21.024	EP21_ V07	Volume No	Page No <b>50 (72)</b>		

			St	rgWhlAng				
Size [bits] 16	<b>Type</b> Unsigned	y. I IVNE			<b>Group Name</b> N/A		Initial Value 0	
Timings:		erface de/FuncVerFolder/Function _Normal_HS			Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	StrgWhlAi 16 bits Type Logical Val Physical R	<b>V</b> lue 6	<b>alue</b> 5535 - 65534	<b>Scale</b> 0.0625	Offset	Interpretation error mark degree	

			StrgV	VhIAngAl	vRC		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	<b>Group Name</b> N/A		Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	StrgWhIA 4 bits Type Physical F	ngAlvRCET	<b>Value</b> 0 - 15	Scale	Offset 0	Interpretation

			StrgW	hlAngExtd	PV			
Size [bits] 16	6 Unsigned State Periodic				<b>Group Name</b> N/A		Initial Value 0	
Timings:	gs: Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]	
Encoding type:	Name: Size: Values:	StrgWhlAi 16 bits Type Physical R	-	/alue ) - 65535	Scale	Offset 0	Interpretation	

		SAIC MOTOR SIGNA	L SPECI	FICATIO	N		
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Approved by		Document No	Issue Index	Volume No	Page No		
		EE.VI.EP21.024	EP21_ V07		51 (72)		

	StrgWhlAngGrd											
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	1	<b>p Name</b> N/A	Update Bit No	Initial Value 0					
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Sub.</b> L [ms] 10.000	atency	Max. Age [ms] 500.000	Read Interval [ms]					
Encoding type:	Name: Size: Values:	StrgWhIA 12 bits Type Logical Va	,	<b>Value</b> 4095	Scale	Offset	Interpretation error mark					
		Physical R	lange (	0 - 4094	1	-2048	degree/s					

			StrgWh	IAngSn	srCalSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	'i	date Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	unction	[ms	Sub. Latency       Max. Age         [ms]       [ms]         10.000       500.000		•	Read Interval [ms]
Encoding type:	Name: Size:	2 bits	AngSnsrCalSts	ET Value	Scale	Offset	lnt	
	Values: <b>Type</b> Logical Valu Logical Valu Logical Valu		alue (	<b>value</b> 0 1 2	Scale	Offset	Un Est	erpretation known imated librated
		Logical Va	alue :	3			Un	known

			StrgWhl	AngSnsr0	Chksm		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	Sub. I [ms] 10.000	_atency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	StrgWhIA 8 bits Type Physical R	ngSnsrChksml ange	<b>Value</b> 0 - 255	Scale 1	Offset 0	Interpretation

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Approved by	9	NETWORK REQUIRE		PECIFIC/	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		52 (72)

	StrgWhlAngSnsrFlt											
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initial value					
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	•	Max. Aç [ms] 500.000	[ms]					
Encoding type:	Name: Size: Values:	StrgWhl/ 1 bit Type Logical V Logical V	alue (		Scale	Offset	Interpretation False True					

			StrgW	hlAngS	nsrlnid		
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	unction	<b>Sul</b> [ms	-	Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size:	1 bit	AngSnsrInidET ,	<i>l</i> ala	Casla	Officet	Interventation
	Values:	<b>Type</b> Logical Va Logical Va	alue (		Scale	Offset	<b>Interpretation</b> False True

			StrgWhIA	ngSnsı	rMultCapb			
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	l	<b>Jpdate</b> <b>Bit</b> No	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	[ms	b. Latency s] 000	[ms	<b>x. Age</b> <b>5]</b> 0.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	StrgWhlA  1 bit  Type  Logical Value of the	alue 0	obET alue	Scale	Offse		e <b>rpretation</b> Ise ue

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Approved by			1		
7 Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		53 (72)

			St	rgWhIAr	ngV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	•	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	StrgWhl/ 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	Interpretation Valid Invalid

				SysBP	М				
Size [bits]	I Type Into Type Ty		Generation Type Periodic	ype Group Name		, E	date Bit No	Initial Value	
Timings:		terface ode/FuncVerFolder/Function M_Normal_HS			Sub. Latency [ms] 10.000		<b>Age</b> 00	Read Interval [ms]	
Encoding type:	Name: Size:	SysBPMI 2 bits	ΞT						
	Values:	Type Logical Value		Value 0	Scale	Offset	Off	rpretation	
		Logical Va Logical Va Logical Va	alue	1 2 3			ACC Run Crai		

	SysBPMEnbd											
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	E	date Bit No	Initial Value false				
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/I</b> I_HS	Function	[ms	o. Latency s] 000	Max. / [ms] 500.00		Read Interval [ms]				
Encoding type:	Name: Size: Values:	SysBPMI  1 bit  Type  Logical Value  Logical Value	<b>\</b> alue (		Scale	Offset	<b>Int</b> e Fal Tru					

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		54 (72)

			Sy	sOpnlMo	I		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fun FM_Norma	cVerFolder/f	unction	<b>Sub.</b> [ms] 10.00	•	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Size: 3 Values: <b>T</b> L L L	bits ype ogical Value	<b>Value Scale</b> 0 1 2 3 4	Offset	Normal Mod Manufacturin Transit Mode Show Room Storage Mod	e ng Mode e (Reserve) de	ming(Reserve)

				SysPwrl	/ld				
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A		Update Bit No	Initial Value	
Timings:	Mode/FuncVerFolder/Function		Function	Sub. Latency [ms]		[n	ax. Age ns]	Read Interval [ms]	
	FM_Norma	ILHS		10.	000	50	00.000		
Encoding	Name:	SysPwrN	ldET						
type:	Size:	2 bits							
	Values:	Type		Value	Scale	Offse	et Inte	erpretation	
		Logical Va	alue	0			Off		
		Logical Va	alue	1			Acc	cessory	
		Logical Va	alue	2			Rui	n	
		Logical Va	alue	3			Cra	ank Request	

				SysVol			
Size [bits] 8	Unsigned State Periodic		Group Name N/A		Update Bit No	Initial Value	
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	SysVolET 8 bits Type Physical R		<b>Value</b> 0 - 255	Scale 0.1	Offset	Interpretation

		SAIC MOTOR SIGNA	L SPECII	FICATIO	N	
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		EE.VI.EP21.024	EP21_ V07		55 (72)	

			Sy	sVolMd			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Group Name N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	Sub. La [ms] 10.000	itency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size:	SysVolMdl 2 bits					
	Values:	Type Logical Val Logical Val Logical Val Logical Val	ue 1 ue 2	Scale	Offset	Interpretati Normal Low System High Syster Illegal Syste	n Voltage m Voltage

			S	ysVolM	dV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	'	odate Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms	-	Max. [ms] 500.0	•	Read Interval [ms]
Encoding type:	Name: Size: Values:	SysVolM 1 bit		Value	Scale	Offset	Inte	erpretation
	values.	<b>Type</b> Logical V Logical V	alue	0 1	Scale	Onset	Val Inva	id

				SysVol	<b>/</b>		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	initiai value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	SysVolVi 1 bit Type Logical Vi Logical Vi	alue	<b>Value</b> 0 1	Scale	Offset	Interpretation Valid Invalid

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Approved by		Document		Issue Index	Volume No	Page No
		EE.	VI.EP21.024	EP21_ V07		56 (72)

			Т	BOXAvII	bly		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bi No	t Initial value
Timings:	Interface Mode/Fund FM_Norma	<b>cVerFolder/</b> lal_HS	Function	[ms	b. Latency [3] [000	Max. A [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	TBOXAv 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	<b>Interpretation</b> False True

			Т	CMAvIb	oly		
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS			Sub. Latency [ms] 10.000		Max. Ag [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	TCMAvIb 1 bit Type	•	Value	Scale	Offset	Interpretation
	valuoo.	Logical Value	alue (	0 1	Coulo	3301	False True

				TCSA				
Size [bits]	<b>Type</b> Boolean	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd Bi	t	Initial Value false
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. A [ms]		Read Interval [ms]	
Encoding type:	Name: Size:	TCSAET 1 bit						
	Values:	<b>Type</b> Logical Va Logical Va		<b>Value</b> 0 1	Scale	Offset	<b>Inte</b> Fals True	-

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		EE.VI.EP21.024	EP21_ V07		57 (72)

			TC	SOpng	Md			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	l	<b>Jpdate</b> <b>Bit</b> No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[ms	o. Latency s] 000	[ms	<b>c. Age</b> 5] .000	Read Interval [ms]
Encoding type:	Name: Size: Values:	TCSOpno 2 bits Type Logical Volume Logical Volume Logical Volume	alue (	l	Scale	Offset	Of No	t <b>erpretation</b> f ormal f Road

			TO	SOpng	Sts		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	t Initial value
Timings:	Interface Mode/Fund	cVerFolder/	unction	Sul [ms	o. Latency	Max. Ag [ms]	ge Read Interval [ms]
	FM_Norma	I_HS		10.	000	500.000	)
Encoding	Name:	TCSOpn	gStsET				
type:	Size:	3 bits					
	Values:	Type	•	Value	Scale	Offset	Interpretation
		Logical V	alue (	)			Inactive
		Logical V	alue	1			Active
		Logical V	alue :	2			Fault

			TJAI	CASwl	Req			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	U	<b>pdate</b> <b>Bit</b> No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	o. Latency 3] 000	Max [ms] 500.		Read Interval [ms]
Description:	Traffic Jam	Assist Integ	rated Cruise Ass	ist Swit	ch Request			
Encoding type:	Name: Size:	TJAICAS 2 bits	wReqET					
	Values:	Type Logical Value Logical Value Logical Value Logical Value	alue 0 alue 1 alue 2	alue	Scale	Offset	no off on	erpretation request served

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Approved by		Documer		Issue Index	Volume No	Page No
		EE	.VI.EP21.024	EP21_ V07		58 (72)

				TrEstdC	Gear			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	1	<b>Group Name</b> N/A		Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[n	ub. Latency ns] 0.000	[1	Max. Age ms] 00.000	Read Interval [ms]
Encoding	Name:	TrEstdGe	earET					
type:	Size:	4 bits						
	Values:	Type		Value	Scale	Off	set In	terpretation
		Logical Va	alue	0			No	ot Supported
		Logical Va	alue	1			Fi	rst Gear
		Logical Va	alue	2			Se	econd Gear
		Logical Va	alue	3			Th	nird Gear
		Logical Va	alue	4			Fo	ourth Gear
		Logical Va	alue	5			Fi	fth Gear
		Logical Va	alue	6			Si	xth Gear
		Logical Va	alue	7			Se	eventh Gear
		Logical Va	alue	8			Ei	ghth Gear
		Logical Va	alue	13			Ne	eutral Gear
		Logical V	alue	14			Re	everse Gear
		Logical Va	alue	15			Pa	ark Gear

			Tri	EstdGe	arV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upd B N	it	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I I_HS	Function	<b>Suk</b> [ms 10.0	-	Max. <i>A</i> [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size: Values:	TrEstdGe 1 bit Type Logical V	\	/alue	Scale	Offset	<b>Int</b> e	erpretation id
		Logical V	alue 1				Inv	alid

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Checked by	Xu Jing/ee	NETWORK REQUIRE	MENT S	PECIFICA	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		59 (72)

			Trọ	gtSpdSr	cSts			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[ms	o. Latency s] 000	[n	ax. Age ns] 00.000	Read Interval [ms]
Encoding type:	Name: Size:	TrgtSpdS 2 bits	SrcStsET					
	Values:	Type Logical Value Logical Value Logical Value Logical Value	alue alue alue	<b>Value</b> 0 1 2 3	Scale	Offs	Ur Ca	erpretation defined mera vigation

			Tr	ShftLvrPo	s		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/F I_HS	- unction	Sub. I [ms] 10.000	_atency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding	Name:	TrShftLvrP	osET				
type:	Size:	4 bits					
	Values:	Туре	Value	Scale	Offset	Interpretation	1
		Logical Valu	ie 0			Between Rang	ges
		Logical Valu	ie 1			Park Range	
		Logical Valu	ie 2			Reverse Rang	je
		Logical Valu	ie 3			Neutral Range	)
		Logical Valu	ie 4			Forward Rang	je A
		Logical Valu	ie 5			Forward Rang	je B
		Logical Valu	ie 6			Forward Rang	je C
		Logical Valu	ie 7			Forward Rang	je D
		Logical Valu				Forward Rang	e E
		Logical Valu				Forward Rang	
		Logical Valu				Forward Rang	
		Logical Valu				Forward Rang	
		Logical Valu				Lever Position	

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Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		60 (72)

			TrS	hftLvrP	osV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	-	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	TrShftLv 1 bit Type Logical V Logical V	<b>\</b> alue 0	/alue	Scale	Offset	Interpretation Valid Invalid

			VehD	ynYawRate			
Size [bits] 12	<b>Type</b> Signed	Info Type State	<b>Generation Type</b> Periodic	Group N//		Update Bit No	Initial Value
Timings:	Interface Mode/Fun FM_Norma	cVerFolder/I	unction	Sub. Late [ms] 10.000	ency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VehDynYav 12 bits Type Physical Ra	Valu	i <b>e</b> 8 - 2047	<b>Scale</b> 0.0625	Offset 0	Interpretation deg/s

			VehD	ynYaw	RateV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	В	date it	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	<b>Sul</b> [ms	-	Max. A [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size: Values:	VehDynY 1 bit Type Logical V	•	/alue	Scale	Offset	<b>Int</b> o	erpretation
		Logical V						alid

		Document Title SAIC MOTOR SIG	GNAL SPECI	FICATIO	N
Originated by	Li Huatu/ee	Document Type			
Checked by	Xu Jing/ee	NETWORK REQU	JIREMENT S	PECIFIC	ATION
Approved by		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.02	4 EP21_ V07		61 (72)

				VehOdo			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	<b>Group N</b> N/A	<b>Group Name</b> N/A		Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I_HS	Function	Sub. Later [ms] 10.000	псу	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VehOdoET 24 bits Type Physical Ra	V	<b>alue</b> - 16777215	Scale	Offset 0	Interpretation

				VehOdo	V			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upd B N	it	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Age [ms] 500.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	VehOdo\ 1 bit Type	. — -	Value	Scale	Offset	Inte	rpretation
		Logical Value	alue	0	Coulo	2301	Valid Inva	d d

				VehSid	deLghtSt	ts		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generat Type Period			<b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fui FM_Norm	ncVerFolder/F al_HS	unction		Sub. La [ms] 10.000	•	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:		VehSideLght 2 bits	StsET					
	Values:	Туре	Value	Scale	Offset	Interpret	ation	
		Logical Value	0			No side li	ght on	
		Logical Value	1			Left side	light on only	
		Logical Value	2			Right side	e light on only	
		Logical Value	3			All side lig	ght and license	plate light on

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Approved by		· ·	1		
- 17		Document No	Issue Index	Volume No	Page No
		EE.VI.EP21.024	EP21_ V07		62 (72)

			Ve	ehSpdAv	g		
Size [bits] 15	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Sub.</b> [ms] 10.00	Latency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdAv 15 bits Type Physical Ra	Va	lue 32767	<b>Scale</b> 0.015625	Offset 0	Interpretation km/h

			VehS	pdAvgAl	vRC		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	[ms]	Sub. Latency [ms] 10.000		e Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdA 4 bits Type Physical F	vgAlvRCET Range	<b>Value</b> 0 - 15	Scale	Offset 0	Interpretation

			Veh	SpdAvgD	Orvn		
Size [bits] 15	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gre	oup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS				<b>Latency</b>	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdAv 15 bits Type Physical Ra	Va	lue 32767	<b>Scale</b> 0.015625	Offset 0	Interpretation km/h

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		EE.	VI.EP21.024	EP21_ V07		63 (72)

			Veh	SpdAvgl	DrvnV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	o. Latency s] 000	Max. Ag [ms] 500.000	e Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdA 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	Interpretation Valid Invalid

			VehSp	dAvgNo	nDrvn		
Size [bits] 15	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gre	oup Name N/A	Update Bit No	Initial Value 0
Timings:	gs: Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]	
Encoding type:	Name: Size: Values:	VehSpdAvg 15 bits Type Physical Ra		lue 32767	<b>Scale</b> 0.015625	Offset 0	Interpretation km/h

			VehSp	dAvgNo	nDrvnV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upd: Bi	t	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	<b>Suk</b> [ms	-	Max. A [ms] 500.000	_	Read Interval [ms]
Encoding type:	Name: Size:	VehSpdA 1 bit	\vgNonDrvnVE	Т				
	Values:	<b>Type</b> Logical Value	alue (	<b>Value</b> O 1	Scale	Offset	Interp Valid Invalid	<b>pretation</b>

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		EE.VI.EP21.024	EP21_ V07		64 (72)

			Veh	SpdAvgPV			
Size [bits] 16	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic		Name /A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	Sub. La [ms] 10.000	tency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdAv 16 bits Type Physical R	v	<b>/alue</b>  - 65535	Scale	Offset 0	Interpretation

			Ve	hSpdAv	vgV			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upo B N	it	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I_HS	Function	[ms	o. Latency s] 000	Max. <i>A</i> [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size: Values:	VehSpdA 1 bit Type Logical V Logical V	\ alue 0		Scale	Offset	Val	<b>erpretation</b> lid alid

			V	SELatAcc			
Size [bits] 12	<b>Type</b> Signed	Info Type State	<b>Generation Type</b> Periodic	<b>Group N</b> a N/A	ıme	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM Normal HS			Sub. Laten [ms] 10.000	[1	lax. Age ns] 00.000	Read Interval [ms]
Encoding type:	Name: Size: Description	VSELa 12 bits	t <b>AccET</b> Stability Enhan				
	Values:	<b>Type</b> Physic	_	<b>/alue</b> 2048 - 2047	<b>Scale</b> 0.01562	Offset 5 0	Interpretation m/s^2

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		EE.VI.EP21.024	EP21_ V07		65 (72)

			VS	SELatAc	:cV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	Upda Bit No	initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Suk</b> [ms 10.0	•	Max. Aç [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	VSELatA 1 bit Type Logical V Logical V	Nalue (	_	Scale	Offset	Interpretation Valid Invalid

			VSI	ELongtAcc			
Size [bits]	<b>Type</b> Signed	Info Type State	<b>Generation Type</b> Periodic	Group N/		Update Bit No	Initial Value 0
Timings:	Interface Mode/Fun FM_Norma	<b>cVerFolder/f</b> al_HS	Function	Sub. Late [ms] 10.000	ency	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	VSELongta 10 bits Type Physical Ra	V	<b>alue</b> 512 - 511	<b>Scale</b> 0.03	Offset 0	Interpretation m/s^2

			VSI	ELongt/	AccV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bi No	t Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	[ms	b. Latency s] 000	Max. A [ms] 500.000	[ms]
Encoding type:	Name: Size: Values:	VSELong 1 bit Type	gtAccVET	Value	Scale	Offset	Interpretation
		Logical V Logical V		0 1			Valid Invalid

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		EE	E.VI.EP21.024	EP21_ V07		66 (72)

				VSEMo	k			
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A		odate Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I	Function	[ms	b. Latency s] 000	<b>Max.</b> [ <b>ms</b> ] 500.0	•	Read Interval [ms]
Encoding type:	Name: Size: Values:	VSEMdE 3 bits Type Logical V		<b>Value</b> 0	Scale	Offset	<b>Int</b>	erpretation
		Logical V	alue	1 2			No	rmal mpetitive

				VSESts	3			
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	G	roup Name N/A	В	late it	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	<b>VerFolder/</b> I	Function	[ms	b. Latency [3] [3]	Max. <i>A</i> [ms] 500.00		Read Interval [ms]
Encoding type:	Name: Size:	VSEStsE 3 bits	Т					
	Values:	<b>Type</b> Logical Volume Logical Volume		<b>Value</b> 0 1	Scale	Offset	Ina	erpretation active tive
		Logical Value   Logical Value   Logical Value	alue	2 3 4				ult arming Up t Ready

				VSESys	A			
Size [bits]	<b>Type</b> Boolean	Info Type State	Generation Type Periodic	G	roup Name N/A		date Bit No	Initial Value false
Timings:	Interface Mode/Fund FM_Norma	VerFolder/I	Function	<b>Suk</b> [ms	•	Max. [ms] 500.0	•	Read Interval [ms]
Encoding type:	Name: Size: Values:	VSESysA 1 bit Type Logical V Logical V	alue	<b>Value</b> 0 1	Scale	Offset	<b>Int</b> e Fal Tru	

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		EE.VI.EP21.024	EP21_ V07		67 (72)

			WhlGno	dVelDrvnC	hksm		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	WhlGndV 8 bits Type Physical R	elDrvnChksmE ange	<b>Value</b> 0 - 255	Scale	Offset 0	Interpretation

			WhlG	ndVeIDrv	nRC		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	e Read Interval [ms]	
Encoding type:	Name: Size: Values:	WhlGndV 4 bits Type Physical F	<b>elDrvnRCET</b> Range	<b>Value</b> 0 - 15	Scale	Offset 0	Interpretation

			Whl	GndVelLD	rvn		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	Gro	oup Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/I I_HS	Function	<b>Sub.</b> [ms] 10.00	<b>Latency</b> 0	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	WhlGndVe 14 bits Type Physical Ra	V	<b>alue</b> - 16383	<b>Scale</b> 0.03125	Offset 0	Interpretation km/h

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			EE.VI.EP21.024	EP21_ V07		68 (72)

			WhlG	indVelL[	DrvnV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	Generation Type Periodic	G	roup Name N/A	Upda Bit No	Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	[ms	b. Latency [3] [3]	Max. Ag [ms] 500.000	[ms]
Description:	Wheel Gro	und Velocity	Left Driven Val	idity			
Encoding type:	Name: Size:	WhlGnd\ 1 bit	/elLDrvnVET				
	Values:	Type		Value	Scale	Offset	Interpretation
		Logical V	alue	0			Valid
		Logical V	alue	1			Invalid

			WhlGn	dVelLNon	Drvn		
Size [bits] 14	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	<b>Group Name</b> N/A		Update Bit No	Initial Value 0
Timings:	ings: Interface Mode/FuncVerFolder/Function FM Normal HS		unction	Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	WhlGndVe 14 bits Type Physical Ra		alue - 16383	<b>Scale</b> 0.03125	Offset 0	Interpretation km/h

			WhlGnd		)rvnV		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Upda Bit No	Initial value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	Sub. I [ms]	Latency	Max. Ag [ms] 500.000	[ms]
Description:	Wheel Gro	und Velocity	Left Non Driven	Validity			
Encoding type:	Name: Size:	1 bit	/elLNonDrvnVE				
	Values:	<b>Type</b> Logical V Logical V	alue C	)	Scale	Offset	Interpretation Valid Invalid

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		EE.VI.EP21.024	EP21_ V07		69 (72)

			WhlGndV	elNonDrvi	nChksm		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group Name N/A		Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	WhlGndV 8 bits Type Physical R	elNonDrvnChk	Value 0 - 255	Scale	Offset 0	Interpretation

			WhlGnd	VelNonD	rvnRC		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	up Name N/A	Update Bit No	Initial Value
Timings:	Interface Mode/FuncVerFolder/Function FM_Normal_HS		[ms]	Sub. Latency [ms] 10.000		Read Interval [ms]	
Encoding type:	Name: Size: Values:	WhlGndV 4 bits Type Physical F	<b>elNonDrvnRCE</b> Range	<b>Value</b> 0 - 15	Scale	Offset 0	Interpretation

			WhlG	andVeIRD	rvn		
Size [bits] 14	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	oup Name N/A	Update Bit No	Initial Value 0
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Sub.</b> [ms] 10.00	<b>Latency</b> 0	Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	WhlGndVe 14 bits Type Physical Ra	Va	l <b>lue</b> 16383	<b>Scale</b> 0.03125	Offset 0	Interpretation km/h

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		EE.VI.EP21.024	EP21_ V07		70 (72)	

WhlGndVelRDrvnV										
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gr	oup Name N/A	Upda Bir No	t	Initial Value 1		
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/	Function	<b>Sub</b> [ <b>ms</b> 10.0	•	Max. A [ms] 500.000	•	Read Interval [ms]		
Description:	Wheel Gro	und Velocity	Right Driven Va	alidity						
Encoding type:	Name: Size:	1 bit	/elRDrvnVET	/alue	Scale	Offset	Into	rnretation		
	Values:	<b>Type</b> Logical V Logical V	alue (		Scale	Onset	Vali Inva	~		

			WhlGn	dVelRNor	Drvn		
Size [bits] 14	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Gro	u <b>p Name</b> N/A	Update Bit No	Initial Value 0
Timings:	gs: Interface Mode/FuncVerFolder/Function FM Normal HS		unction	Sub. Latency [ms] 10.000		Max. Age [ms] 500.000	Read Interval [ms]
Encoding type:	Name: Size: Values:	WhlGndVe 14 bits Type Physical Ra		<b>alue</b> - 16383	<b>Scale</b> 0.03125	Offset 0	Interpretation km/h

			WhlGnd	VelRNonDrvn	١V		
Size [bits]	<b>Type</b> Unsigned	Info Type State	<b>Generation Type</b> Periodic	Group N N/A		Update Bit No	Initial Value
Timings:	Interface Mode/Fund FM_Norma	cVerFolder/ nl_HS	Function	Sub. Late [ms] 10.000	ا	Max. Age [ms] 500.000	Read Interval [ms]
Description:	Wheel Grou	und Velocity	Right Non Drive	en Validity			
Encoding type:	Name: Size: Values:	WhlGnd\ 1 bit Type Logical V	_	alue Sca	le Of		t <b>erpretation</b> alid
		Logical V	alue 1			Inv	/alid

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Approved by		Document No	Issue Index	Volume No	Page No		
		EE.VI.EP21.024	EP21_ V07		71 (72)		

## 4.5 Constant signals

NCFRefNoFVCM								
Size [bits]	<b>Type</b> Bytes	Info Type State	Initial Value 0x61 0x01 0x31 0x10 0x40 0x35 0x70 0x04					
Description:	NCF reference numbe	r for FVCM						

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		EE.VI.EP21.024	EP21_ V07		72 (72)