

MICROSAR 4



Contents

"	General Information5
_	General Information
	-
3	Modules and Options9
	-
4	Services



5	SIP Extensions	15
6	Definition of SLP/HLP/SIP, Maintenance and Release Types	19
7	Contact	25



1 Introduction



2 General Information



Note

2.1 Compiler Warnings

2.2 64-bit Microcontroller Support

2.3 Delivery of Beta Modules/Features

2.4 Delivery of Stub Modules



2.5 Delivery of Code Templates

2.6 Delivery of Example Code

2.7 Usage of Features that are not Licensed

VECTOR >		
>		
>		
>		
>		
>		
2.8	Test Report	
	·	
2.9	MISRA	
	-	
2 10	Test of External Hardware	
2.10	rest of External rial dware	
2.11	Test of 3 rd Party Modules	

2.12 Issue Handling

VECTOR		
2.12.1	Issue Reporting for 3 rd Party Software	
>		
>		
>		
2.12.2	Issue Reporting for DaVinci Tools	

2.13 Warranty

2.13.1 3rd Party Modules



3 Modules and Options



Note

3.1 vDBG (XCP-based)

3.2 DLT (XCP-based)

>

- 3.3 DLT (AUTOSAR)
- 3.4 Drivers (CAN, LIN, FR, ETH, MCAL)

>

>

3.5 **VETM**

VECTOR >

3.6 FEE

>

>

3.7 Generic Modules

3.8 IDM - Variant Handling / Post-Build Selectable

>

>

>

3.9 MCAL Integration Package

VECTOR >

3.10 OS Option: Schedule Table Synchronization

3.11 PBL - Post-Build Loadable

>

>

>

>

>

>

>

VECTOR >

>

>

>

>

>

>

>

>

>

>

3.12 RTE

3.13 vRTM

3.14 WDGM



4 Services



Note

4.1 MICROSAR Getting Started V2G

>

>



5 SIP Extensions

5.1 Customer Hardware

>

>

>

>

>

>

5.2 Start Application

```
VECTOR >
>
Preconditions
>
>
Deliverables
Test reports
        Note
5.3 vVIRTUALtarget (VTT)
5.3.1 Components
>
```

>

> >

5.3.2 Limitations

- > Memory Protection (SC3)
- > Post-Build Loadable
- > Precision Time Protocol
- > Ethernet Hardware Time Stamping
- > Ethernet Driver Features



- > Limited Transceiver Functionality
- > SPI Communication
- > Multiple Instances of Modules
- > CRY Hardware Support
- > SoAd BSD Socket

5.3.3 Required Software

>

>

_

>

>



6 Definition of SLP/HLP/SIP, Maintenance and Release Types

6.1 Software License Package (SLP)

>

> -

> -

>

> -

6.2 Hardware License Package (HLP)

> -

> -

> >

> -

6.3 Software Integration Package (SIP)

>

>

>

>

6.4 Mini SIP

6.5 SIP Types

6.5.1 Beta

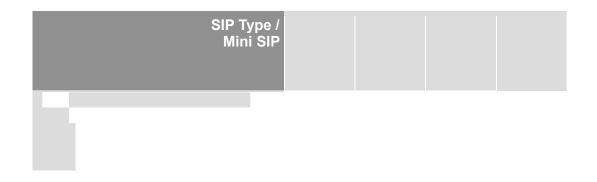
6.5.2 Production

6.5.3 Update

6.5.4 Prototype



6.5.5 Overview SIP Types



VECTOR >		
.6 Maintenance		
Note		
.6.1 SLP Maintenance		
-		
.6.2 HLP Maintenance		
-		

6.6.3 SIP Maintenance

>





Note

6.6.4 Differentiation of warranty versus maintenance

	SIP Maintenanc running	e	SIP Maintenanc expired	e
Warranty nation supplies	Bugfixing	\checkmark	Bugfixing	\checkmark
Warranty period running	Issue reporting	✓	Issue reporting	√
Warranty pariod avaired	Bugfixing	✓	Bugfixing	×
Warranty period expired	Issue reporting	✓	Issue reporting	×

6.7 Release Types

6.7.1 QuickFix

VECTOR >		
6.7.2	Development	
6.7.3	Pre Production	
6.7.4	Production	
6.7.5	Production (Safety-ready)	

Note

6.7.6

Production (Safe)



7 Contact

>

>

>

>

>

>

www.vector.com