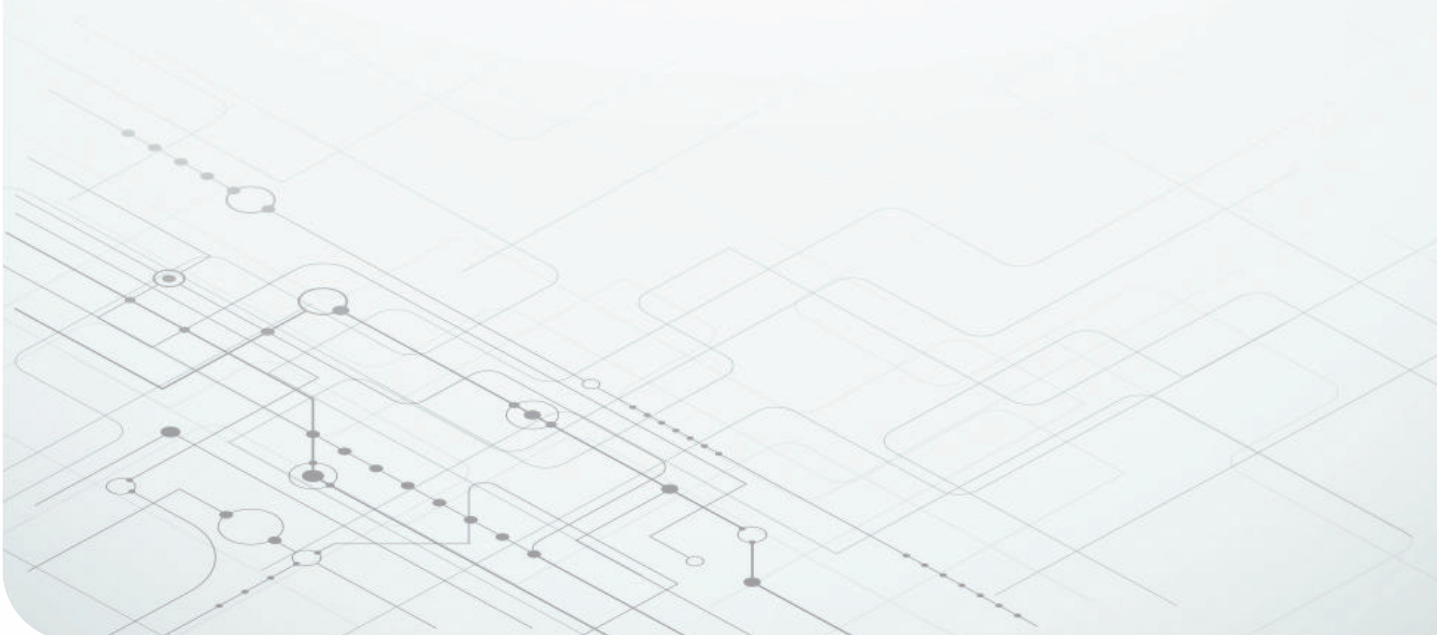# Radar Functional Safety Enablers

TEXAS INSTRUMENTS

Leverage our diagnostic software library, compiler qualification kits, third-party operating systems and development tools, and additional documentation to help your system-level certification efforts.

Certifications and Assessments	Products	Description	Action
TÜV-SÜD certificate for functional safety development	**IWR6843** **AWR6843** **AWR2243** **AWR6443**	Functional safety compliant certificate for IEC 61508 hardware component	**IWR6843 TUV** **AWR6843 TUV** **AWR2243 TUV**
TÜV-SÜD assessment	**IWR6843** **AWR6843** **AWR2243** **AWR6443**	TÜV-SÜD technical report demonstrating compliance to ASIL B/SIL 2	For instructions to access the safety package, click **Steps to get my secure access for customers**.
Functional safety manuals and analysis reports	**Products**	**Description**	**Action**
Functional safety manual for mmWave automotive and industrial products	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	Provides information to aid customers in designing systems in compliance with ISO 26262 or IEC 61508 functional safety standards	For instructions to access the safety package, click **Steps to get my secure access for customers**.
FMEDA for mmWave automotive and industrial products	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	Detailed, quantitative FMEDA for mmWave automotive and industrial products	For instructions to access the safety package, click **Steps to get my secure access for customers**.
Software	**Products**	**Description**	**Action**
Functional Safety Diagnostic Software Library (SDL)	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	Functional Safety Diagnostic Software Library with compliance support package	For instructions to access the safety package, click **Steps to get my secure access for customers**.
Safety Compiler Qualification Kit	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	Functional Safety Diagnostic Software Library with compliance support package	**View**
Technical article	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	TI mmWave functional safety overview	**View**

Certifications and Assessments	Products	Description	Action
Functional safety monitoring application note	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	Analog monitoring	For instructions to access the safety package, click **Steps to get my secure access for customers**.
Website	**AWR1843** **AWR1642** **AWR6843** **AWR1243** **AWR2243** **IWR6843** **AWR6443**	TI mmWave functional safety information	**View**
Reference design	**AWR1843** **AWR6843** **IWR6843** **AWR6443**	mmWave Diagnostics and Monitoring Reference Design	**View**

TI mmWave functional safety package for automotive and industrial applications

- Failure Modes, Effects, and Diagnostics Analysis (FMEDA), including tools for estimating module and device level failure rates (FIT).
- Calculating ISO 26262 and IEC 61508 safety metrics (Safety Manual).
- Software Diagnostic Libraries.
- Training.

Steps to get my secure access for customers

1. Contact your local TI sales representative to get a safety NDA signed with TI.
2. If approved, share the email address of engineers who need access to the safety documents with your sales person. Engineers must create a myTI account at **TI.com** using their official e-mail address (personal e-mail not allowed).
3. TI safety manager grants access to the requested customer and device that will trigger an e-mail with the download link.
4. Customer receives an automated email whenever there is an update to the Safety Manual/FMEDA.

TEXAS INSTRUMENTS

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.