

Pillar 1: ISO 9001

Pillar 2: ISO 26262

Pillar 3: R&D Product Development Methodology

The Synopsys ARC IP R&D Product Development Methodology

3

Managing Quality and Functional Safety in all Phases of Product Development



Figure 4: Functional safety development process framework implemented in the development of ARC processors

Key Supporting QMS Processes Implemented				
A project's Configuration Management Plan is developed	To control each change introduced throughout a product's lifecycle			
Configuration items are documented, evaluated and approved	Manage each change request (ú c%			
Configuration Status Reports are generated throughout the lifecycle of the product				

## Issue Tracking and Project Management Platform

Define the issue

Assign responsibility

Set priorities

Track progress

Conduct root cause analysis

Implement corrective and preventive actions

## Quality Checklist Tool





SYNOPSYS \* 2023 Synopsys, Inc. All rights reserved. Synopsys is a trademark of Synopsys, Inc. in the United States and other countries. A list of Synopsys trademarks is available at <a href="http://www.synopsys.com/copyright.html">http://www.synopsys.com/copyright.html</a>. All other names mentioned herein are trademarks or registered trademarks of their respective owners. 08/02/23.CS1159417306-describing-ARC-functional-safety-WP. Pub: July 2