

How safe does my code need to be?

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Abstract text Many embedded projects are related to safety-critical applications, for instance in the automotive, medical or avionics area. But even if your code will not be deployed in such a challenging environment, you probably still want it to work correctly under most circumstances. In this session, we will examine how some of the inherent dangers of C/C++ can be neutralized by adopting a coding standard and accompanying coding guidelines. We will draw inspiration from the MISRA rule set and from the requirements and recommendations of the ISO 26262 safety standard, and show numerous examples of what can go wrong.