

## :Example Guidelines

Spark/ADA: Avionics  
Power of Ten: NASA  
SecureC  
MISRA-C/C++: automotive

implements

## Coding Guidelines

static thread model  
no endless loops  
consistent error handling  
valid Memory Addresses  
no dynamic Memory  
no recursion: avoid Stack overflow  
lock critical sections  
single point of return: simple control flow

## Fault injection Tests

improves

Maturity

improves

Availability

Fault Tolerance

Recoverability

Layered Architecture

improves

enhances

Static Code Analysis

supports

Code Generation

enhances

Redundancy

2 of 3 voter  
duo-duplex  
limp home  
function migration

