MISRA C Liaison Report to WG14
ISO/IEC JTC1/SC22/WG14 Meeting
30th March – 3rd April 2020

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MISRA C SitRep – Recent Publications

• Feb 2019
  • MISRA C:2012 1st Revision
• Feb 2020
  • MISRA C:2012 Amendment 2
    “C11/C18 Core”
  • MISRA Compliance:2020
    Enhancements to compliance guidance
MISRA C:2012 (3rd Edition, 1st Revision)
MISRA C SitRep – Summary

- Published
  - MISRA C:2012 (3rd Ed. 1st Rev)
  - MISRA C:2012 Addendum 1
  - MISRA C:2012 Addendum 2 (2nd Ed)
  - MISRA C:2012 Addendum 3
  - MISRA C:2012 Amendment 1
  - MISRA C:2012 Amendment 2

- MISRA-C:2004 v MISRA C:2012
- Coverage against “C Secure”
- Coverage against “CERT-C”
- Additional security guidelines
- C11/C18 Core
MISRA C SitRep – Summary

- Issued
  - MISRA Compliance:2020
  - MISRA C:2004 Permits

- Issued, but work ongoing...
  - Exemplar Suite
    - In GitLab
MISRA C – Road Map

Work In Progress

- C11/C18
  - MISRA C:2012 “Amendment 3”
- Review of Standard Library exclusions (for *hosted* applications)
- Auto-Generated Code
- MISRA C:2012 Permits
- Monitoring of ISO/IEC 17961 (C Secure)
- Assessment of ISO 24772 (Language Vulnerabilities)
MISRA C:20xx Road Map

MISRA Compliance:2016
[ Optional ]
MISRA C:2012
3rd Edition, 1st Revision

MISRA Compliance:2019
[ Mandatory ]
MISRA C:2012 Amendment 2 (C11 Core)


MISRA C:2012 Amendment n (C11 Enhancements)

MISRA C:2012 Amendment x (Standard Library etc)

MISRA C:202x