

N2518



MISRA C Liaison Report to WG14

ISO/IEC JTC1/SC22/WG14 Meeting

30th March – 3rd April 2020

Andrew Banks

BSc IEng MIET FBCS CITP

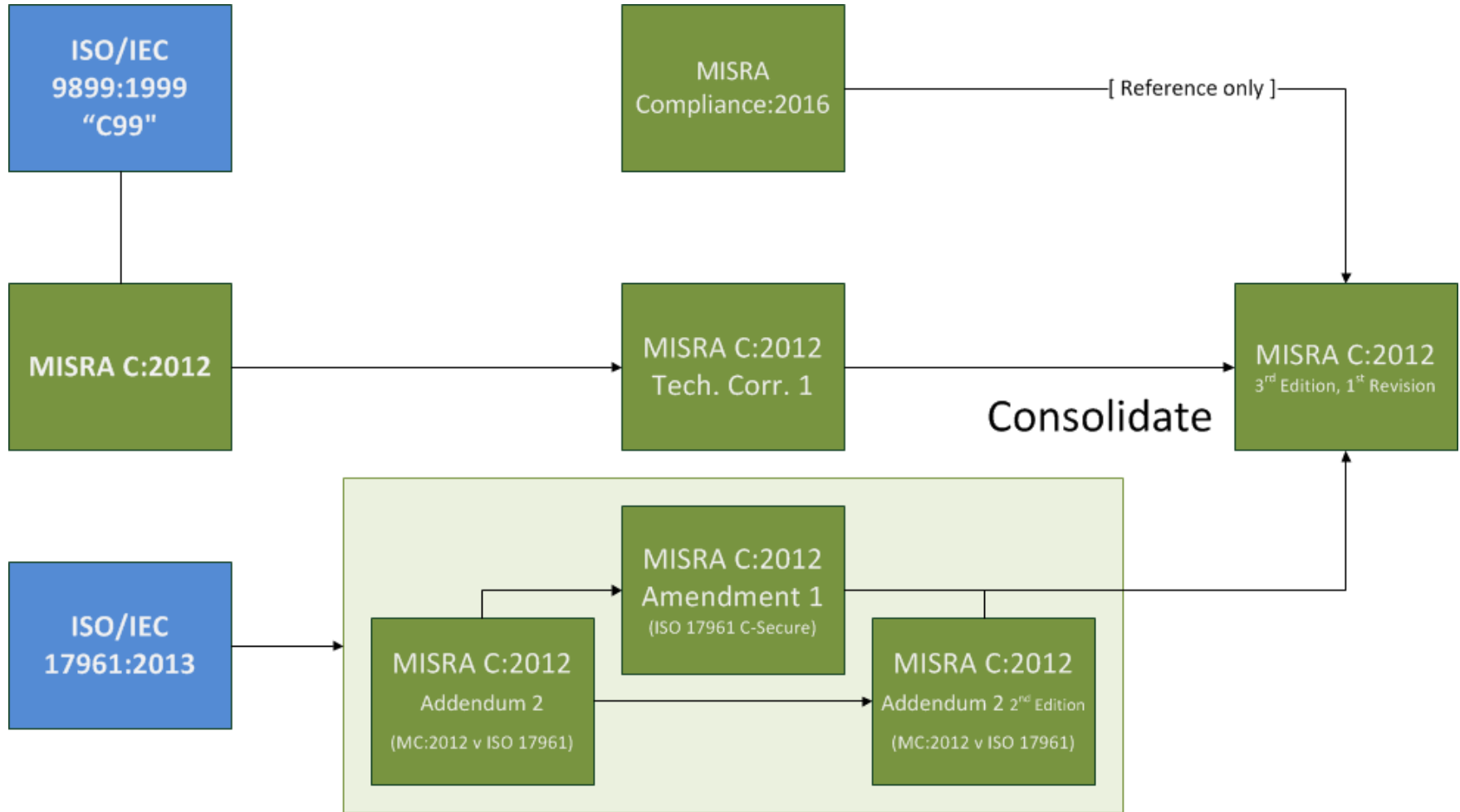
LDRA Limited, and
Chairman, MISRA C Working Group

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:2004 v MISRA C:2012
- MISRA C:2012 Addendum 2 (2nd Ed) Coverage against “C Secure”
- MISRA C:2012 Addendum 3 Coverage against “CERT-C”
- MISRA C:2012 Amendment 1 Additional security guidelines
- MISRA C:2012 Amendment 2 C11/C18 Core
- MISRA C:2012 Tech. Corr. 1

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

- MISRA C:2012 Tech. Corr. 2
- 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

