**N2134**

# MISRA C – WG14 Liaison Report
## WG14 Meeting, Markham, Canada
### 3rd-7th April 2017

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# MISRA C
## Where are we now?

# MISRA C:2012

- Bulletin Board Questions (and other feedback)

  - MISRA C:2012 Technical Corrigendum 1

    - To be issued as a standalone PDF

    - At final committee review – publication has been delayed
      ... expected April 2017 (TBC)

# MISRA C – ISO 17961 (1)

- **ISO/IEC 17961:2013 – C Secure**

  - MISRA C:2012 Addendum 2 (Matrix against ISO/IEC 17691:2013)

    - Issued (in April 2016) as a standalone PDF report (<u>click here to download</u>)
    - Feedback and comments welcome
    - Will be up-issued shortly to reflect Amendment 1      DUE IMMINENTLY

  - MISRA C:2012  Amendment 1

    - Adds 14 number new targetted Guidelines to cover gaps in coverage.
    - Mostly these are in areas of the *hosted* Standard Library that MISRA C has traditionally not considered.
    - Issued (in April 2016) as a standalone PDF (<u>click here to download</u>)

# MISRA C – ISO 17961 (2)

- ISO/IEC 17961:20xx – C Secure Update

    - MISRA C Working Group plan to support this activity!

    - A number of members of the Working Group have been supporting the conference calls.

    - MISRA will provide PDF copies of MISRA C:2012 to Study Group members

# MISRA C – CERT-C

- **CERT-C**

  - MISRA C:2012 Addendum 3 (Matrix against CERT-C)

    - ○ Work in progress...
    - ○ Will be shared with WG14 (and CERT) when appropriate
    - ○ No plans to directly incorporate CERT-C into MISRA C

# MISRA C – Next Steps

- **<u>Proposal: To publish consolidated Core Document as MISRA C:201x</u>**

- To consolidate:
    - MISRA C:2012
    - Technical Corrigendum 1
    - Amendment 1 (Security)

- To reference:
    - MISRA Compliance 2016

- Expected: 2017 (TBC)

# MISRA C – What Next?

- Review of C99

  - Review of the C99 rules, in particular where a more targeted approach is possible, and appropriate.

- C11 new features

  - Review of new features for undesirable behaviours

    - Undefined
    - Unspecified
    - Implementation Defined
    - etc

  - Propose a series of Focussed Amendments

  - Timeline TBC

# MISRA C
## Proposals to WG14?

# MISRA C – Proposals to WG14

- N2008 – Enumerations
    - Included in SD3 list

- N2112 – Proposal to Enumerate and Cross-Reference Annex J
    - Initial discussion via reflector - #14551 "Editorial Change Request?"
    - First draft proposal submitted as N2112.
    - If approved in principle, further work can be carried out.