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Liaison Request from MISRA C to JTC 1 for Category C Liaison with JTC 1/SC 22/WG 14

Identification of Requestor	MISRA C Working Group
Reason for Liaison	The MISRA C Guidelines are widely adopted in the automotive sector and in other sectors developing critical software in the C language. They provide practical guidance based on the experience of the contributing engineers and aim to present their concepts in an easily-accessible manner; they do not attempt to define the formal semantics for a "safe" subset of the C language. The MISRA C Working Group is developing a third revision of the standard with a view to publication in 2011. This revision will include support for C99 features (the second revision supports C90 only) and will aim to provide an objective rationale for each rule. The MISRA C Working Group feels that it would benefit from liaison with JTC 1/SC 22/WG14 for the following reasons: • Access to rationale (provided by JTC 1/SC 22/WG14) for some of the more complex C language features could help with drafting MISRA rules that relate to these features • Similarly, JTC 1/SC 22/WG14 review of proposed MISRA rules could result in improved rules • Access to drafts of C1X could allow rules to be prepared with future revisions of the C standard in mind • MISRA C WG comments on C language features might result in modifications to C1X drafts The MISRA C Working Group will be responsible for reviewing and providing feedback on any documents that JTC 1/SC 22/WG14 provides. Similarly, WG14 will be responsible for reviewing and providing feedback on any documents that the MISRA C WG provides. The MISRA C WG will be responsible for the meeting and documentation expenses but assumes that these are limited to the costs associated with personal travel, subsistence, copying/printing on behalf of MISRA WG members.
Type of Liaison	The MISRA C WG envisages using e-mail correspondence for document review and other activities. The MISRA C WG representative would be pleased to attend a W JTC 1/SC 22/G14 meeting if invited to do so, but would not be able to attend every JTC 1/SC 22/WG14 meeting.
Category of Liaison	Category C

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