

## MISRA Guideline Compliance Summary

Project: **ARPA-E Mapping Confined Space Mapping Module - PipeBlaser**

Guideline: **MISRA C 2012**

Checking Tool: **cppcheck-2.0**

Target Build: [a93dfdb](#) Created on: Thu Feb 16 10:01:09 2023

Checking Scope: **Excluding third-party utilities**

Result: **Compliant**

Summary:

1. There were deviations of 0 mandatory guideline.
2. There were deviationss of 0 required guideline.
3. There were deviations of 2 advisory guidelines.

Note: No critical violation detected. Deviation of Rule 2.3 (a project should not contain unused type declarations) is noncritical during the development phase. Deviation of Rule 12.3 (the comma operator should not be used) is noncritical during the development phase.

| Guideline | Category | Deviations | Violations |
|-----------|----------|------------|------------|
| Rule 1.1  | Required | 0          | 0          |
| Rule 1.2  | Advisory | 0          | 0          |
| Rule 1.3  | Required | 0          | 0          |
| Rule 2.1  | Required | 0          | 0          |
| Rule 2.2  | Required | 0          | 0          |
| Rule 2.3  | Advisory | 13         | 0          |
| Rule 2.4  | Advisory | 0          | 0          |
| Rule 2.5  | Advisory | 0          | 0          |
| Rule 2.6  | Advisory | 0          | 0          |
| Rule 2.7  | Advisory | 0          | 0          |
| Rule 3.1  | Required | 0          | 0          |
| Rule 3.2  | Required | 0          | 0          |
| Rule 4.1  | Required | 0          | 0          |
| Rule 4.2  | Advisory | 0          | 0          |
| Rule 5.1  | Required | 0          | 0          |
| Rule 5.2  | Required | 0          | 0          |
| Rule 5.3  | Required | 0          | 0          |
| Rule 5.4  | Required | 0          | 0          |
| Rule 5.5  | Required | 0          | 0          |
| Rule 5.6  | Required | 0          | 0          |
| Rule 5.7  | Required | 0          | 0          |
| Rule 5.8  | Required | 0          | 0          |
| Rule 5.9  | Advisory | 0          | 0          |
| Rule 6.1  | Required | 0          | 0          |
| Rule 6.2  | Required | 0          | 0          |
| Rule 7.1  | Required | 0          | 0          |
| Rule 7.2  | Required | 0          | 0          |
| Rule 7.3  | Required | 0          | 0          |
| Rule 7.4  | Required | 0          | 0          |
| Rule 8.1  | Required | 0          | 0          |
| Rule 8.2  | Required | 0          | 0          |
| Rule 8.3  | Required | 0          | 0          |
| Rule 8.4  | Required | 0          | 0          |
| Rule 8.5  | Required | 0          | 0          |

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| Rule 8.6  | Required  | 0   | 0 |
| Rule 8.7  | Advisory  | 0   | 0 |
| Rule 8.8  | Required  | 0   | 0 |
| Rule 8.9  | Advisory  | 0   | 0 |
| Rule 8.10 | Required  | 0   | 0 |
| Rule 8.11 | Advisory  | 0   | 0 |
| Rule 8.12 | Required  | 0   | 0 |
| Rule 8.13 | Advisory  | 0   | 0 |
| Rule 8.14 | Required  | 0   | 0 |
| Rule 9.1  | Mandatory | 0   | 0 |
| Rule 9.2  | Required  | 0   | 0 |
| Rule 9.3  | Required  | 0   | 0 |
| Rule 9.4  | Required  | 0   | 0 |
| Rule 9.5  | Required  | 0   | 0 |
| Rule 10.1 | Required  | 0   | 0 |
| Rule 10.2 | Required  | 0   | 0 |
| Rule 10.3 | Required  | 0   | 0 |
| Rule 10.4 | Required  | 0   | 0 |
| Rule 10.5 | Advisory  | 0   | 0 |
| Rule 10.6 | Required  | 0   | 0 |
| Rule 10.7 | Required  | 0   | 0 |
| Rule 10.8 | Required  | 0   | 0 |
| Rule 11.1 | Required  | 0   | 0 |
| Rule 11.2 | Required  | 0   | 0 |
| Rule 11.3 | Required  | 0   | 0 |
| Rule 11.4 | Advisory  | 0   | 0 |
| Rule 11.5 | Advisory  | 0   | 0 |
| Rule 11.6 | Required  | 0   | 0 |
| Rule 11.7 | Required  | 0   | 0 |
| Rule 11.8 | Required  | 0   | 0 |
| Rule 11.9 | Required  | 0   | 0 |
| Rule 12.1 | Advisory  | 0   | 0 |
| Rule 12.2 | Required  | 0   | 0 |
| Rule 12.3 | Advisory  | 899 | 0 |
| Rule 12.4 | Advisory  | 0   | 0 |
| Rule 13.1 | Required  | 0   | 0 |
| Rule 13.2 | Required  | 0   | 0 |
| Rule 13.3 | Advisory  | 0   | 0 |
| Rule 13.4 | Advisory  | 0   | 0 |
| Rule 13.5 | Required  | 0   | 0 |
| Rule 13.6 | Mandatory | 0   | 0 |
| Rule 14.1 | Required  | 0   | 0 |
| Rule 14.2 | Required  | 0   | 0 |
| Rule 14.3 | Required  | 0   | 0 |
| Rule 14.4 | Required  | 0   | 0 |
| Rule 15.1 | Advisory  | 0   | 0 |
| Rule 15.2 | Required  | 0   | 0 |
| Rule 15.3 | Required  | 0   | 0 |
| Rule 15.4 | Advisory  | 0   | 0 |
| Rule 15.5 | Advisory  | 0   | 0 |
| Rule 15.6 | Required  | 0   | 0 |

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| Rule 15.7  | Required  | 0 | 0 |
| Rule 16.1  | Required  | 0 | 0 |
| Rule 16.2  | Required  | 0 | 0 |
| Rule 16.3  | Required  | 0 | 0 |
| Rule 16.4  | Required  | 0 | 0 |
| Rule 16.5  | Required  | 0 | 0 |
| Rule 16.6  | Required  | 0 | 0 |
| Rule 16.7  | Required  | 0 | 0 |
| Rule 17.1  | Required  | 0 | 0 |
| Rule 17.2  | Required  | 0 | 0 |
| Rule 17.3  | Mandatory | 0 | 0 |
| Rule 17.4  | Mandatory | 0 | 0 |
| Rule 17.5  | Advisory  | 0 | 0 |
| Rule 17.6  | Mandatory | 0 | 0 |
| Rule 17.7  | Required  | 0 | 0 |
| Rule 17.8  | Advisory  | 0 | 0 |
| Rule 18.1  | Required  | 0 | 0 |
| Rule 18.2  | Required  | 0 | 0 |
| Rule 18.3  | Required  | 0 | 0 |
| Rule 18.4  | Advisory  | 0 | 0 |
| Rule 18.5  | Advisory  | 0 | 0 |
| Rule 18.6  | Required  | 0 | 0 |
| Rule 18.7  | Required  | 0 | 0 |
| Rule 18.8  | Required  | 0 | 0 |
| Rule 19.1  | Mandatory | 0 | 0 |
| Rule 19.2  | Advisory  | 0 | 0 |
| Rule 20.1  | Advisory  | 0 | 0 |
| Rule 20.2  | Required  | 0 | 0 |
| Rule 20.3  | Required  | 0 | 0 |
| Rule 20.4  | Required  | 0 | 0 |
| Rule 20.5  | Advisory  | 0 | 0 |
| Rule 20.6  | Required  | 0 | 0 |
| Rule 20.7  | Required  | 0 | 0 |
| Rule 20.8  | Required  | 0 | 0 |
| Rule 20.9  | Required  | 0 | 0 |
| Rule 20.10 | Advisory  | 0 | 0 |
| Rule 20.11 | Required  | 0 | 0 |
| Rule 20.12 | Required  | 0 | 0 |
| Rule 20.13 | Required  | 0 | 0 |
| Rule 20.14 | Required  | 0 | 0 |
| Rule 21.1  | Required  | 0 | 0 |
| Rule 21.2  | Required  | 0 | 0 |
| Rule 21.3  | Required  | 0 | 0 |
| Rule 21.4  | Required  | 0 | 0 |
| Rule 21.5  | Required  | 0 | 0 |
| Rule 21.6  | Required  | 0 | 0 |
| Rule 21.7  | Required  | 0 | 0 |
| Rule 21.8  | Required  | 0 | 0 |
| Rule 21.9  | Required  | 0 | 0 |
| Rule 21.10 | Required  | 0 | 0 |
| Rule 21.11 | Required  | 0 | 0 |

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| Rule 21.12 | Advisory  | 0 | 0 |
| Rule 22.1  | Required  | 0 | 0 |
| Rule 22.2  | Mandatory | 0 | 0 |
| Rule 22.3  | Required  | 0 | 0 |
| Rule 22.4  | Mandatory | 0 | 0 |
| Rule 22.5  | Mandatory | 0 | 0 |
| Rule 22.6  | Mandatory | 0 | 0 |