

UNCLASSIFIED//~~FOUO~~

~~(U//FOUO)~~ **KG-142 CLIN002 Engineering Analysis & Support Tasks**

(U) Task Order #1:

(U) Title: Hot Swappable Fan Assembly – Thermal Analysis Study



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(U) Task Order #2:

(U) Title: IDevID Certificate Trade Study

~~(U//FOUO)~~ Task description: In order for KG-142 to support EAP-TLS, IDevID X.509 certificate are required. Although the KG-142 code base supports some of these functions, experience has been that the effort to add support for Certificates has always been underestimated. This requires the infrastructure to create the certificates as part of the KG-142 production process. This risk reduction trade study will be beneficial to iron out the certificate concept of operation.

(U) Task Reporting: Technical Report IAW CDRL B003.

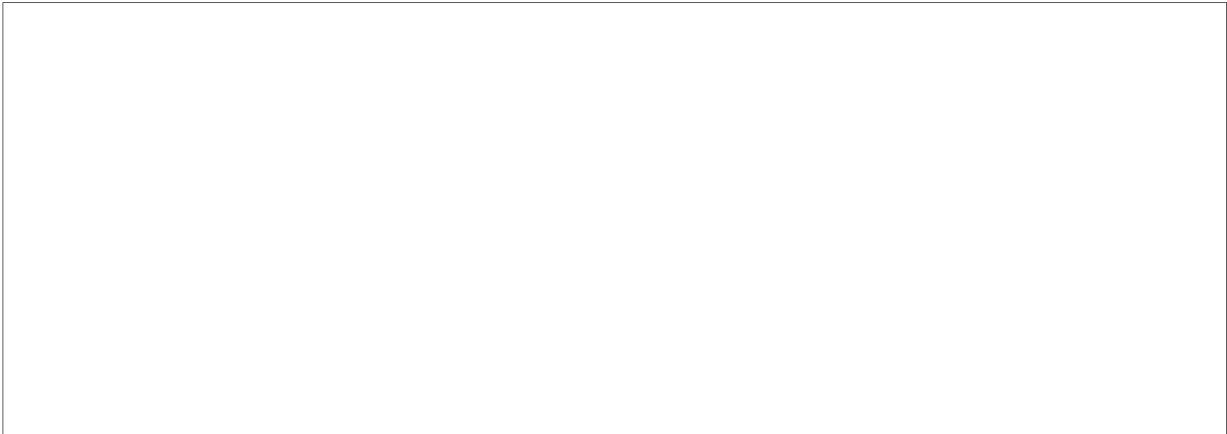
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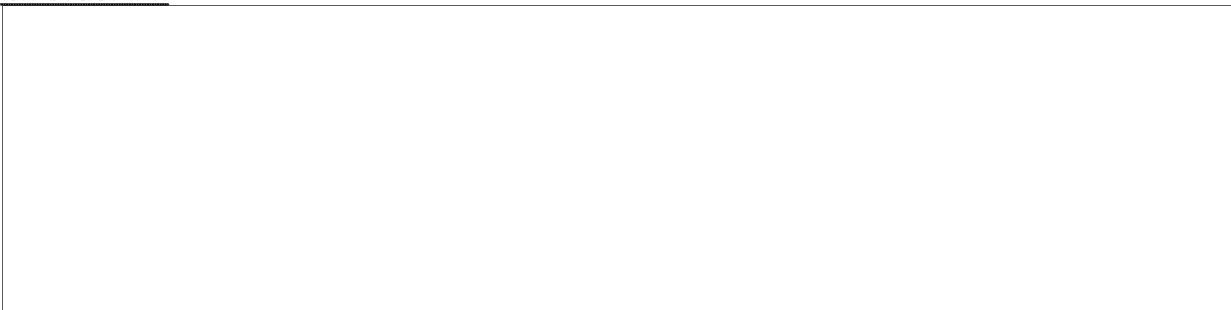
(U) Task Order #3:

(U) Title: Scalability Trade Study



(U) Task Reporting: Technical Report IAW CDRL B003.

(U) Task Order #4:



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(U) Task Reporting: The contractor shall document all assumptions and analysis/results for the above tasks in a technical memo (CDRL B003).

(U) Task Order #5:

(U) Title: 100G EE TEMPEST Risk Reduction

(U//~~FOUO~~) Task description: The contractor shall perform additional TEMPEST testing of the KG-142 to characterize its performance beyond the current contractual requirements.

- a.) (U) The contractor shall work with the TEMPEST test vendor to update the TEMPEST test statement of work and procedures.
- b.) (U//~~FOUO~~) The contractor shall test to the levels described via classified email, dated 26 Feb 2016.

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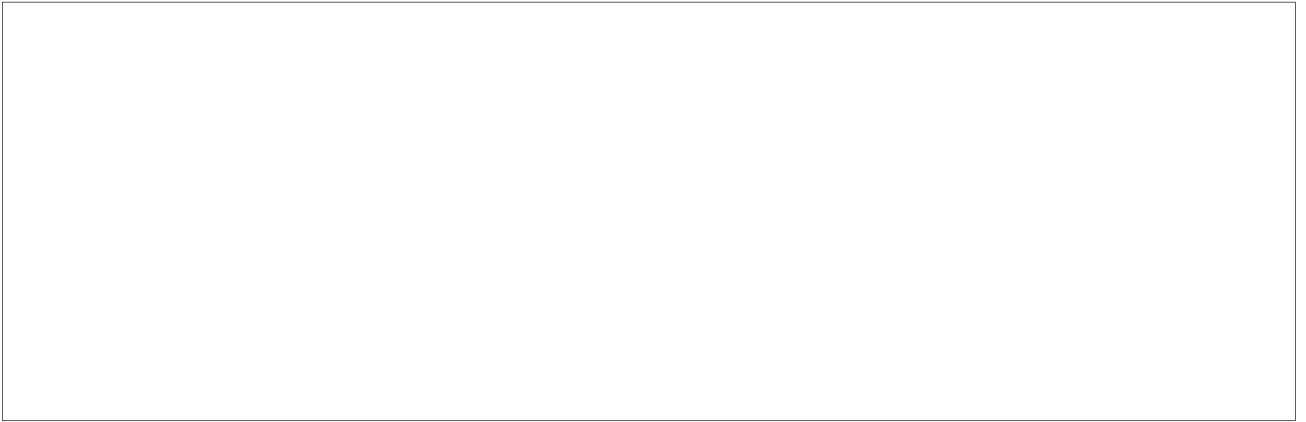
(U) Task Reporting:

(U) The contractor shall document all assumptions and analysis/results for the above tasks in a technical memo (CDRL B003) that incorporates the TEMPEST test vendor's report.

(U) Assumptions:

(U//~~FOUO~~) This characterization testing shall be in addition to the testing and reporting that is required to meet existing contractual requirements.

(U) Task Order #6:



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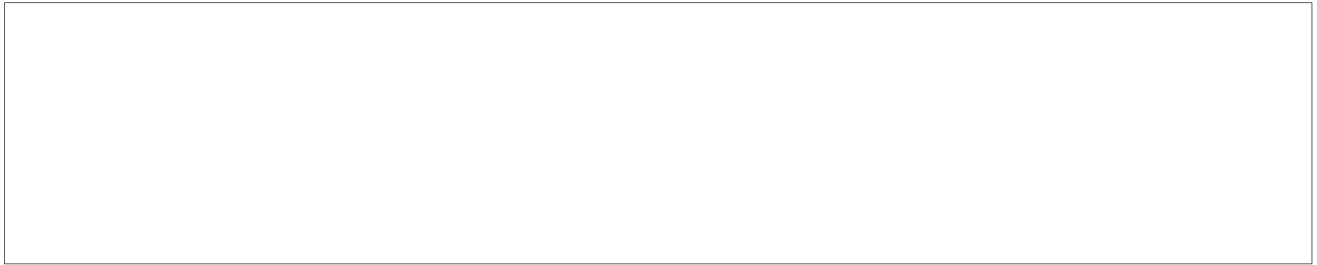
(U) Task Order #7:



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(U) Task Reporting: Technical Report IAW CDRL B003.

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