CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.**

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	SCIENTIFIC AND TECHNICAL REPORTS	Final Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
XX	C	ONE/R	See Block 16*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	End of Tech Effort	See Block 16*

16. REMARKS

Blk 4:Tailored to allow for attached ANSI based AFRL Format Guidelines including Standard Form 298. Also to include, if the Final Report contains data that is being delivered with less than unlimited rights, the data with less-than-unlimited rights shall be delivered in an appropriately marked appendix to the Final Report. Block 10, is clarified so that, "Pursuant to DFARS 252.235-7011, the Government will forward the approved report to the Defense Technical Information Center (DTIC)."

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. (Critical Technology) (31 March 2025). Other requests for this document shall be referred to AFRL/RYDR.

WARNING - This document contains technical data whose export
is restricted by the Arms Export Control Act (Title 22, U.S.C., sec 2778 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C. App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

Electronic submittals shall be encrypted or password protected.

Block 11: End of Technical Effort.

Block 12: 30 days from Block 11.

Approval/Disapproval by letter from the Air Force Program Manager within 30 days... (continued on next page)

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
AFRL/RYDR	1	1	0
AFRL/RYOX	1	1	0
15. TOTAL	2	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

16. REMARKS *(Continued)*

after receipt.

Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments.

Block 13: End of Contract, 90 days from Block 11.

Blocks 12 & 13: Contractor shall deliver the Final Report within 30 calendar days after completion of the technical effort. The AFRL Program Manager will take no more than 30 calendar days to review, edit, and return to the contractor. Upon receipt of the combined Technical and STINFO comments, the contractor shall take no more than 30 calendar days to incorporate all required changes and deliver the final technical report in an editable text format (MS Word)or editable PDF on CD-ROM electronic copy. CD-ROM shall be labeled IAW ANSI based AFRL Format Guidelines.

Block 14: Draft submittal shall consist of 1 editable (MS Word or PDF) file on CD-ROM. The final submittal shall consist of all editable text documents and all multimedia source files in current AF Standard Desktop format (MS Office or PDF compatible) Acceptance shall be in accordance with the ANSI based AFRL Format guidelines.

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A002	FUNDS AND MAN-HOUR EXPENDITURE REPORT		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-FNCL-80331A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to allow contractor's format.

* At the close of the contractor's monthly accounting period.

** 25 days after Block 11 time.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: B: Distribution authorized to US Government agencies only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMA/ACO	0	1	0
AFRL/RYDR	0	1	0
AFRL/RYF	0	1	0
AFRL/RYKSM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A003	CONTRACT FUNDS STATUS REPORT (CFSR)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-81468/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	QRTLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	***

16. REMARKS

Tailored so that the report contains forecasts by month for the next six months, by quarter for the remaining fiscal year, and by year for the remaining fiscal years. CFSR data shall be reconciled to the Governments fiscal year end at 30 September if the contractor's fiscal year end does not coincide with the Government's fiscal year end.

* The last day of the contractor's monthly accounting period nearest the end of the governments fiscal year quarter.

** The initial submission shall be within 25 calendar days after the close of the contractor's monthly accounting period nearest the end of the first government fiscal year quarter after contract award.

***Subsequent submissions shall be 25 calendar days after Block 11 time.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: B: Distribution authorized to US Government agencies only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMA/ACO	0	1	0
AFRL/RYDR	0	1	0
AFRL/RYF	0	1	0
AFRL/RYKSM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A004	SCIENTIFIC AND TECHNICAL REPORTS	SPEND PLAN	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to require the reporting of current work accomplished and billed against work scheduled to be accomplished for the cumulative total work effort in dollars as defined herein. The report will show a graphical/tabular depiction by month comparing BCWS, ACWP, and the contractor's billed amount. Block 10 is clarified so that distribution to DTIC shall only be through Air Force distribution channels.

Budget Cost of Work Scheduled (BCWS) means the estimated cost of all work scheduled to be accomplished for total work effort.

Actual Cost of Work Performed (ACWP) means the actual costs of work accomplished as of the reporting cut-off date.

Billed means the amount of funds that have been billed to the Government by the contractor.

* At the end of the contractor's monthly accounting period.

** 25 days after Block 11 time.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: B: Distribution authorized to US Government agencies only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMA/ACO	0	1	0
AFRL/RYDR	0	1	0
AFRL/RYF	0	1	0
AFRL/RYKSM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A005	STATUS REPORT		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-80368A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	MTHLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to allow contractor's format and to delete para 3.2.3.

Submit electronically, except when final report is due to be submitted, then omit this item.

* At the close of the contractor's monthly accounting period.

** 25 days after Block 11 time.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMA/ACO	0	1	0
AFRL/RYDR	0	1	0
AFRL/RYKSM	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A006	PRESENTATION MATERIAL		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-ADMN-81373/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	*

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	1
15. TOTAL →	0	1	1

16. REMARKS

Tailored to require only view graphs or hard copy. Submittal of the actual viewgraph is not required if the presentation is computer generated.

ASREQ means as required to document topics under discussion at briefings and reviews.

* Submit at each briefing or review as appropriate.

Maximum # of view graphs shall not exceed 10,000 view graphs for this contract.

Submit reproducible on media compatible with MS-Office for Windows.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A007	COMPUTER SOFTWARE PRODUCT	Source Code	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-IPSC-81488/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	*

16. REMARKS

Tailored to allow contractor's format.

* Submit with software for this technical effort. Delivery of Software shall be inclusive of software source code and executable.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A008	SCIENTIFIC AND TECHNICAL REPORTS	Hardware Manual	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASGEN

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor format. Block 10 is clarified so that distribution to DTIC shall only be through Air Force distribution channels.

R/ASR means revisions as required to keep the Hardware Manual up to date, make changes or corrections; submit revisions as generated.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A009	SOFTWARE USER MANUAL (SUM)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-IPSC-81443A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASGEN

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

R/ASR means revisions as required to keep the Hardware Manual up to date, make changes or corrections; submit revisions as generated.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A010	SOFTWARE ARCHITECTURE DESCRIPTION		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS/82176/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASREQ	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

ASREQ means as required to document the Software Architecture Description under this effort.

R/ASR means revisions as required to keep the Software Architecture Description up to date, make changes or corrections; submit revisions as generated.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A011	ACCEPTANCE TEST PLAN		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-QCIC-80553/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ONE/R	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow for contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

ASREQ means as required to document the Acceptance Test Plan under this effort.

R/ASR means revisions as required to keep the Acceptance Test Plan up to date, make changes or corrections; submit revisions as generated.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.**

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A012	FIRMWARE SUPPORT MANUAL (FSM)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-IPSC-81448A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ONE/R	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

ASREQ means as required to document the FSM under this effort.

R/ASR means revisions as required to keep the FSM up to date, make changes or corrections; submit revisions as generated.

Submit electronically. Electronic submittals shall be encrypted or password protected.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A013	INTERFACE CONTROL DOCUMENT (ICD)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-81248B/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

ASREQ means as required to document the ICD under this effort.

R/ASR means revisions as required to keep the ICD up to date, make changes or corrections; submit revisions as generated.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A014	SOFTWARE DESIGN DESCRIPTION (SDD)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-IPSC-81435A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

ASREQ means as required to document the SDD under this effort.

R/ASR means revisions as required to keep the SDD up to date, make changes or corrections; submit revisions as generated.

Submit electronically. Electronic submittals shall be encrypted or password protected.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A015	TECHNICAL DATA PACKAGE	ASIC and FPGA Design Data Files	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-80776B/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASGEN

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	ASGEN

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

Design Data Files shall consist of:

Scripts for simulation, synthesis, analysis and place and route;
Design reports and documentation;
Top level netlists and back annotated timing, power or other views
required to complete analysis;
Top level ASIC GDS data files;
Design environment descriptions including tool versions, PDK
versions and design methodology descriptions;
Complete FPGA EDA design database

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A016	TECHNICAL DATA PACKAGE	Package Design Data Files	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-80776A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASGEN
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	ASGEN

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Tailored to allow contractor's format.

Design Data Files shall consist of:

Package design drawings including schematics, parts lists, layouts, routing rules;
Package mechanical drawings;
Models for thermal, structural and signal integrity analysis;
Package Test Plans;
Package test board design data files;
Package documentation including Interface Control Drawings and
Source Control Drawings;
Design environment descriptions including tool versions
and design methodology descriptions;
Complete Package CAD design database.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A017	TECHNICAL DATA PACKAGE	Circuit Board Design Data Files	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-80776A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASGEN	ASGEN
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	ASGEN

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

Design data files shall consist of:

Board design drawings including schematics, parts lists, layouts, routing rules;
Board mechanical drawiings;
Models for thermal, structural and signal integrity analysis;
Board Test Plans;
Board documentation including Interface Control Drawings
Design environment descriptions including tool versions
and design methodology descriptions;
Complete Board CAD design database.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A018	SCIENTIFIC AND TECHNICAL REPORTS	R&R ANNUAL UPDATE	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	*	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	** R/ASR

16. REMARKS

R&R Annual Update

Complete the AFRL "Research and Related Senior/Key Person Profile" template as provided in Appendix 3 of the solicitation.

Include the contract number in the subject line for email delivery.

*The contractor shall submit this document within thirty (30) days after the completion of every twelve (12) months of contract performance.

**Provide updates and supplements to this document, as appropriate, during the period of performance. Identify changes from previous versions. permanent change pages shall conform to the requirements, quality, style, and format of the basic documentation.

R/ASR means revisions as required to keep the R&R Annual Update up to date, make changes or corrections; submit revisions as generated.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

Submit electronically. Electronic submittals shall be encrypted or password protected.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
AFRL/RYDR	0	1	0
AFRL/RY/Security	0	1	0
15. TOTAL	0	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A019	SCIENTIFIC AND TECHNICAL REPORTS	SECURITY PLAN	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	*	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	** R/ASR

16. REMARKS

Tailored to allow contractor's format. Submit electronically in Microsoft Office Suite compatible format, PDF, or RTF as coordinated with the PM/PE.

Include the contract number in the subject line for email delivery.

*The contractor shall submit this document fifteen (15) days after award of contract if required by the government.

The government will provide comments within fifteen (15) days after receipt of drafts.

Final copies due fifteen (15) days after receipt of government comments.

**Provide updates and supplements to this document, as appropriate, during the period of performance. Identify changes from previous versions. Permanent change pages shall conform to the requirements, quality, style, and format of the basic documentation.

R/ASR means revisions as required to keep the Security Plan up to date, make changes or corrections; submit revisions as generated.

Submit classified Data (up to and including SECRET) via the SIPRNET or as coordinated with the requiring office.

Submit electronically. Electronic submittals shall be encrypted or password protected.

BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
AFRL RY/Security	0	1	0
15. TOTAL	0	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA8650-19-S-1932	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A020	RESEARCH AND DEVELOPMENT (R&D) PROJECT SUMMARY	Cost Model	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-81612B/T	CSOW	AFRL/RYDR	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	ASREQ

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	R/ASR

16. REMARKS

BLOCK 9: B: Distribution authorized to US Government agencies only.

Submit electronically. Electronic submittals shall be encrypted or password protected.

A cost model is to be included in the report.

ASREQ means as required to document the R&D Project Summary Report.

R/ASR means revisions as required to keep the R&D Project Summary Report up to date, make changes or corrections; submit revisions as generated.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RYDR	0	1	0
AFRL /RYF	0	1	0
AFRL/RYKSM	0	1	0
DCMA/ACO	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Thomas W. Dalrymple AFRL/RYDR (937) 713-8677	16-APR-2025		

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory.

Item B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning,""Configuration Management," etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when first submittal is required.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.