Documents: 2303-0220 U01 001, 2303-0221 U01 001, 2303-0222 U01 001 and 2303-0223 U01 001

APPENDIX B

ADDITIONAL ORDERING INFORMATION FOR CVN 68 CLASS MAIN CONDENSER SW CIRCULATING SYSTEM EXPANSION JOINTS

Subject expansion joints are required to meet Grade A shock requirements. Currently, the 3 manufacturers listed on JML are the only ones that supply Navy approved Grade A shock qualified expansion joints for the CVN 68 Class. Expansion joints are to be manufactured to the appropriate manufacturer drawings below, and shall also meet the requirements of ASTM F 1123-87 (Standard Specification for Non-Metallic Expansion Joints). In accordance with ASTM F 1123-87, the following ordering information is provided:

1. Inside diameter of connecting pipes (check one): ☒ 28" ☐ 42" ☐ 46"
2. Flange face-to-flange face dimension (i.e. flange-to flange dimension into which the joint is to be installed) is 12 **inches** (as measured on the ship (12" nominally)).
3. Maximum operating pressure = 40 psig
Minimum operating pressure = 21 – 26 psig (normal)
4. Maximum operating temperature = 105° F
Minimum operating temperature = 60 – 95° F (normal)
5. **Drill ONE flange only** as follows:

   ☒ 28" dia. joint - 32 ea 1-3/16" dia holes on a 32-7/16" bolt dia circle
   ☐ 42" dia. joint – 38 ea 1-5/16" dia holes on a 47-3/4" dia bolt circle
   ☐ 46" dia. joint – 42 ea 1-5/16" dia holes on a 52" dia bolt circle
6. Fluid to be handled is seawater.
7. Movement data is not required.
8. Design certification burst test data is not required.
9. Expansion joint shall be hydrostatically tested at 60 psig, certified test data required.
10. Manufacturers certification data for lot sampling, testing, and inspection is not required.
11. Certified detailed drawing of expansion joint is not required.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to the above address. 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 TDF _____ TM _____ OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
	TEST/INSPECTION REPORT	HYDROSTATIC TEST REPORT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-NDTI-80809B		PSNS&IMF C/133

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION	17. PRICE GROUP
A*	D	OTIME			
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION B*		18. ESTIMATED TOTAL PRICE

A. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repr
A*		1	0
TOTAL		1	0

16. REMARKS

A* Blocks 7 and 14 – Material Certification:

PUGET SOUND NAVAL SHIPYARD & INTERMEDIATE MAINTENANCE FACILITY
RECEIVING OFFICER BLDG 514
ATTN CODE 133
1400 FARRAGUT AVENUE
BREMERTON, WA 98314-5001

Block 9: Distribution Statement D: Distribution Statement D – Distribution authorized to DoD and DoD contractors only. Administration and operations only, effective 04/28/2010. Other U.S. requests shall be referred to COMNAVSEASYSCOM.

B* Block 13: Personnel Qualifications and Test Procedure, when ordered on separate contract line item or DD1423, should be submitted and approved before testing. Material certification shall be forwarded with the hardware. Government to verify format, content, and media. Acceptance timeframe for Government to review, verify, and accept/reject the report shall be as specified in the contract.

G. PREPARED BY	H. DATE	H. APPROVED BY	J. DATE
/s / Carrie Nelson	10/29/2012	/s/ John Porter	10/29/2012

For Document 2303-0220

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 on 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.

DATA ITEM DESCRIPTION
Title: TEST/INSPECTION REPORT

Number: DI-NDTI-80809B
AMSC Number: F72331
DTIC Applicable:
Office Of Primary Responsibility (OPR): F/AFMC-DOP
Applicable Forms:
Use/Relationship:

Approval Date: 970124
Limitation:
GIDEP Applicable:

1. The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

2. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

3. This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptable testing.

4. This DID supersedes DI-NDTI-80809A and DI-MISC-806

Requirements:

1. Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.

2. Content. The test/inspection report shall contain the following information, as applicable.

2.1. Cover and Title Page. The following information shall appear on the outside front cover and title page:

a) Report date.
b) Report number (contractor or government)
c) Contractor's name, address, and commercial and government entity code.
d) Contract number and contract line item number or sequence number (is applicable).
e) Test/inspection (for example. first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
f) Identification of item tested/inspected.
g) Date or period of test/inspection.
h) Name and address of requiring government activity.
i) Security classification, downgrading and declassification information, if applicable.

2.2. Table of Contents. The table of contents shall identify the following:

a) The title and starting page of each major section, paragraph, and appendix of the report.
b) The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

2.3. Introduction. The introduction shall include the following information:

(Continued on page 2)

a) Test/inspection objective(s). The specific test/inspection objective(s) as specified herein.
b) Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

1) Nomenclature
2) National stock number
3) Model number, part number, and serial number
3) Type of item (for example, prototype, production item, laboratory model)
5) Serial or lot number
6) Applicable engineering changes
7) Production item specification, if applicable
8) Date of manufacture

c) Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

1) Required test/inspection parameters.
2) Performance requirements, acceptance or compliance limits, and environmental criteria.

2.4 Summary. Complete test/inspection report summary including the following:

a. A brief discussion of the significant test/inspection results, observations conclusions, and recommendations covered in greater detail elsewhere in the report.
b. Proposed corrective actions and schedules for failures or problems encountered.
c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

a. Prior test/inspection reports on the same item.
b. Test/inspection plans and procedure documents.
c. Prior certifications of compliance.
d. Contractor's file designation where test/inspection records are maintained.
e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6. Body of Report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

a) Nomenclature
b) Model number
c) Serial number
d) Manufacturer

(Continued on page 3)

e) Calibration status
f) Accuracy data
g) Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

a) Location or orientation of the item
b) Location, orientation, or settings of test equipment and instrumentation
c) Location, orientation, or settings of sensors and probes
d) Location or orientation of interconnections, cables, and hoop-ups
e) Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification.

2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

a) Item selection and inspection that verified suitability for test/inspection.
b) Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

2.6.4 Test/inspection - results and analysis. A copy of all test/inspection results and analysis to include the following:

a) Recorded data. The actual recorded data (e.g., log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
b) Test/inspection results. Identification of all test/inspection results to include the following:

(1) Matrices comparing results achieved against test/inspection objectives or requirements (2) A discussion of these matrices as to their significance, and how they compare to any prior test/inspections
(3) Calculation examples
(4) Discussion of anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

a) The effectiveness of the test/inspection procedures in measuring item performance.
b) The success or failure of the item to meet required test/inspection objectives.
c) The need for repeat, additional, or alternative tests/inspections.
d) The need for item redesign or further development.
e) The need for improved test/inspection procedures, techniques, or facilities.
f) The adequacy and completeness of the test/inspection requirements.

2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

(Continued on page 4)

a) Acceptability of the item tested/inspected (pass or fail).
b) Additional testing/inspection required.
c) Redesign required.
d) Problem resolution.
e) Test/inspection procedure or facility improvements.
f) Disposition of items tested/inspected.
g) Documentation changes required.
h)Testing/inspection improvements.

2.7. Authentication. The following certifications shall be included, as applicable:

2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/ inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.8. Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/ inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

End of DI-NDTIMISC-80809B

Distribution Statement:

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to the above address. 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 TDF ____ TM ____ OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
	TEST/INSPECTION REPORT	HYDROSTATIC TEST REPORT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-NDTI-80809B		PSNS&IMF C/133

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION
A*	D	OTIME		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	
			B*	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

A* Blocks 7 and 14 – Material Certification:

PUGET SOUND NAVAL SHIPYARD & INTERMEDIATE MAINTENANCE FACILITY
RECEIVING OFFICER BLDG 514
ATTN CODE 133
1400 FARRAGUT AVENUE
BREMERTON, WA 98314-5001

Block 9: Distribution Statement D: Distribution Statement D – Distribution authorized to DoD and DoD contractors only. Administration and operations only, effective 04/28/2010. Other U.S. requests shall be referred to COMNAVSEASYSCOM.

B* Block 13: Personnel Qualifications and Test Procedure, when ordered on separate contract line item or DD1423, should be submitted and approved before testing. Material certification shall be forwarded with the hardware. Government to verify format, content, and media. Acceptance timeframe for Government to review, verify, and accept/reject the report shall be as specified in the contract.

A. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repr
A*		1	0
TOTAL		1	0

G. PREPARED BY	H. DATE	H. APPROVED BY	J. DATE
/s / Carrie Nelson	10/29/2012	/s/ John Porter	10/29/2012

DD Form 1423-1, FEB 2001 *Previous edition may be used.* Page 1 of 2 Pages

For Document 2303-0221

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 on 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.

DATA ITEM DESCRIPTION
Title: TEST/INSPECTION REPORT

Number: DI-NDTI-80809B
AMSC Number: F72331
DTIC Applicable:
Office Of Primary Responsibility (OPR): F/AFMC-DOP
Applicable Forms:
Use/Relationship:

Approval Date: 970124
Limitation:
GIDEP Applicable:

1. The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

2. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

3. This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptable testing.

4. This DID supersedes DI-NDTI-80809A and DI-MISC-806

Requirements:

1. Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.

2. Content. The test/inspection report shall contain the following information, as applicable.

2.1. Cover and Title Page. The following information shall appear on the outside front cover and title page:

a) Report date.
b) Report number (contractor or government)
c) Contractor's name, address, and commercial and government entity code.
d) Contract number and contract line item number or sequence number (is applicable).
e) Test/inspection (for example. first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
f) Identification of item tested/inspected.
g) Date or period of test/inspection.
h) Name and address of requiring government activity.
i) Security classification, downgrading and declassification information, if applicable.

2.2. Table of Contents. The table of contents shall identify the following:

a) The title and starting page of each major section, paragraph, and appendix of the report.
b) The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

2.3. Introduction. The introduction shall include the following information:

(Continued on page 2)

a) Test/inspection objective(s). The specific test/inspection objective(s) as specified herein.
b) Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

1) Nomenclature
2) National stock number
3) Model number, part number, and serial number
3) Type of item (for example, prototype, production item, laboratory model)
5) Serial or lot number
6) Applicable engineering changes
7) Production item specification, if applicable
8) Date of manufacture

c) Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

1) Required test/inspection parameters.
2) Performance requirements, acceptance or compliance limits, and environmental criteria.

2.4 Summary. Complete test/inspection report summary including the following:

a. A brief discussion of the significant test/inspection results, observations conclusions, and recommendations covered in greater detail elsewhere in the report.
b. Proposed corrective actions and schedules for failures or problems encountered.
c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

a. Prior test/inspection reports on the same item.
b. Test/inspection plans and procedure documents.
c. Prior certifications of compliance.
d. Contractor's file designation where test/inspection records are maintained.
e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6. Body of Report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

a) Nomenclature
b) Model number
c) Serial number
d) Manufacturer

(Continued on page 3)

e) Calibration status
f) Accuracy data
g) Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

a) Location or orientation of the item
b) Location, orientation, or settings of test equipment and instrumentation
c) Location, orientation, or settings of sensors and probes
d) Location or orientation of interconnections, cables, and hoop-ups
e) Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification.

2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

a) Item selection and inspection that verified suitability for test/inspection.
b) Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

2.6.4 Test/inspection - results and analysis. A copy of all test/inspection results and analysis to include the following:

a) Recorded data. The actual recorded data (e.g., log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
b) Test/inspection results. Identification of all test/inspection results to include the following:

(1) Matrices comparing results achieved against test/inspection objectives or requirements (2) A discussion of these matrices as to their significance, and how they compare to any prior test/inspections
(3) Calculation examples
(4) Discussion of anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

a) The effectiveness of the test/inspection procedures in measuring item performance.
b) The success or failure of the item to meet required test/inspection objectives.
c) The need for repeat, additional, or alternative tests/inspections.
d) The need for item redesign or further development.
e) The need for improved test/inspection procedures, techniques, or facilities.
f) The adequacy and completeness of the test/inspection requirements.

2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

(Continued on page 4)

a) Acceptability of the item tested/inspected (pass or fail).
b) Additional testing/inspection required.
c) Redesign required.
d) Problem resolution.
e) Test/inspection procedure or facility improvements.
f) Disposition of items tested/inspected.
g) Documentation changes required.
h)Testing/inspection improvements.

2.7. Authentication. The following certifications shall be included, as applicable:

2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/ inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.8. Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/ inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

End of DI-NDTIMISC-80809B

Distribution Statement:

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to the above address. 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 TDF _____ TM _____ OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
	TEST/INSPECTION REPORT	HYDROSTATIC TEST REPORT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-NDTI-80809B		PSNS&IMF C/133

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION
A*	D	OTIME		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	
			B*	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

A. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repr
A*		1	0
TOTAL		1	0

16. REMARKS

A* Blocks 7 and 14 – Material Certification:

PUGET SOUND NAVAL SHIPYARD & INTERMEDIATE MAINTENANCE FACILITY
RECEIVING OFFICER BLDG 514
ATTN CODE 133
1400 FARRAGUT AVENUE
BREMERTON, WA 98314-5001

Block 9: Distribution Statement D: Distribution Statement D – Distribution authorized to DoD and DoD contractors only. Administration and operations only, effective 04/28/2010. Other U.S. requests shall be referred to COMNAVSEASYSCOM.

B* Block 13: Personnel Qualifications and Test Procedure, when ordered on separate contract line item or DD1423, should be submitted and approved before testing. Material certification shall be forwarded with the hardware. Government to verify format, content, and media. Acceptance timeframe for Government to review, verify, and accept/reject the report shall be as specified in the contract.

G. PREPARED BY	H. DATE	H. APPROVED BY	J. DATE
/s / Carrie Nelson	10/29/2012	/s/ John Porter	10/29/2012

For Document 2303-0222

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 on 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.

For Document 2303-0222

DATA ITEM DESCRIPTION
Title: TEST/INSPECTION REPORT

Number: DI-NDTI-80809B
AMSC Number: F72331
DTIC Applicable:
Office Of Primary Responsibility (OPR): F/AFMC-DOP
Applicable Forms:
Use/Relationship:

Approval Date: 970124
Limitation:
GIDEP Applicable:

1. The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

2. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

3. This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptable testing.

4. This DID supersedes DI-NDTI-80809A and DI-MISC-806

Requirements:

1. Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.

2. Content. The test/inspection report shall contain the following information, as applicable.

2.1. Cover and Title Page. The following information shall appear on the outside front cover and title page:

a) Report date.
b) Report number (contractor or government)
c) Contractor's name, address, and commercial and government entity code.
d) Contract number and contract line item number or sequence number (is applicable).
e) Test/inspection (for example. first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
f) Identification of item tested/inspected.
g) Date or period of test/inspection.
h) Name and address of requiring government activity.
i) Security classification, downgrading and declassification information, if applicable.

2.2. Table of Contents. The table of contents shall identify the following:

a) The title and starting page of each major section, paragraph, and appendix of the report.
b) The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

2.3. Introduction. The introduction shall include the following information:

(Continued on page 2)

a) Test/inspection objective(s). The specific test/inspection objective(s) as specified herein.
b) Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

1) Nomenclature
2) National stock number
3) Model number, part number, and serial number
3) Type of item (for example, prototype, production item, laboratory model)
5) Serial or lot number
6) Applicable engineering changes
7) Production item specification, if applicable
8) Date of manufacture

c) Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

1) Required test/inspection parameters.
2) Performance requirements, acceptance or compliance limits, and environmental criteria.

2.4 Summary. Complete test/inspection report summary including the following:

a. A brief discussion of the significant test/inspection results, observations conclusions, and recommendations covered in greater detail elsewhere in the report.
b. Proposed corrective actions and schedules for failures or problems encountered.
c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

a. Prior test/inspection reports on the same item.
b. Test/inspection plans and procedure documents.
c. Prior certifications of compliance.
d. Contractor's file designation where test/inspection records are maintained.
e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6. Body of Report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

a) Nomenclature
b) Model number
c) Serial number
d) Manufacturer

(Continued on page 3)

e) Calibration status
f) Accuracy data
g) Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

a) Location or orientation of the item
b) Location, orientation, or settings of test equipment and instrumentation
c) Location, orientation, or settings of sensors and probes
d) Location or orientation of interconnections, cables, and hoop-ups
e) Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification.

2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

a) Item selection and inspection that verified suitability for test/inspection.
b) Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

2.6.4 Test/inspection - results and analysis. A copy of all test/inspection results and analysis to include the following:

a) Recorded data. The actual recorded data (e.g., log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
b) Test/inspection results. Identification of all test/inspection results to include the following:

(1) Matrices comparing results achieved against test/inspection objectives or requirements (2) A discussion of these matrices as to their significance, and how they compare to any prior test/inspections
(3) Calculation examples
(4) Discussion of anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

a) The effectiveness of the test/inspection procedures in measuring item performance.
b) The success or failure of the item to meet required test/inspection objectives.
c) The need for repeat, additional, or alternative tests/inspections.
d) The need for item redesign or further development.
e) The need for improved test/inspection procedures, techniques, or facilities.
f) The adequacy and completeness of the test/inspection requirements.

2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

(Continued on page 4)

a) Acceptability of the item tested/inspected (pass or fail).
b) Additional testing/inspection required.
c) Redesign required.
d) Problem resolution.
e) Test/inspection procedure or facility improvements.
f) Disposition of items tested/inspected.
g) Documentation changes required.
h)Testing/inspection improvements.

2.7. Authentication. The following certifications shall be included, as applicable:

2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/ inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.8. Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/ inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

End of DI-NDTIMISC-80809B

Distribution Statement:

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to the above address. 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 TDF ____ TM ____ OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
	TEST/INSPECTION REPORT	HYDROSTATIC TEST REPORT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-NDTI-80809B		PSNS&IMF C/133

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION
A*	D	OTIME		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION B*	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

A* Blocks 7 and 14 – Material Certification:

PUGET SOUND NAVAL SHIPYARD & INTERMEDIATE MAINTENANCE FACILITY
RECEIVING OFFICER BLDG 514
ATTN CODE 133
1400 FARRAGUT AVENUE
BREMERTON, WA 98314-5001

Block 9: Distribution Statement D: Distribution Statement D – Distribution authorized to DoD and DoD contractors only. Administration and operations only, effective 04/28/2010. Other U.S. requests shall be referred to COMNAVSEASYSCOM.

B* Block 13: Personnel Qualifications and Test Procedure, when ordered on separate contract line item or DD1423, should be submitted and approved before testing. Material certification shall be forwarded with the hardware. Government to verify format, content, and media. Acceptance timeframe for Government to review, verify, and accept/reject the report shall be as specified in the contract.

A. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repr
A*		1	0
TOTAL		1	0

G. PREPARED BY	H. DATE	H. APPROVED BY	J. DATE
/s / Carrie Nelson	10/29/2012	/s/ John Porter	10/29/2012

For Document 2303-0223

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 on 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.

DATA ITEM DESCRIPTION
Title: TEST/INSPECTION REPORT

Number: DI-NDTI-80809B
AMSC Number: F72331
DTIC Applicable:
Office Of Primary Responsibility (OPR): F/AFMC-DOP
Applicable Forms:
Use/Relationship:

Approval Date: 970124
Limitation:
GIDEP Applicable:

1. The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

2. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

3. This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptable testing.

4. This DID supersedes DI-NDTI-80809A and DI-MISC-806

Requirements:

1. Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.

2. Content. The test/inspection report shall contain the following information, as applicable.

2.1. Cover and Title Page. The following information shall appear on the outside front cover and title page:

a) Report date.
b) Report number (contractor or government)
c) Contractor's name, address, and commercial and government entity code.
d) Contract number and contract line item number or sequence number (is applicable).
e) Test/inspection (for example. first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
f) Identification of item tested/inspected.
g) Date or period of test/inspection.
h) Name and address of requiring government activity.
i) Security classification, downgrading and declassification information, if applicable.

2.2. Table of Contents. The table of contents shall identify the following:

a) The title and starting page of each major section, paragraph, and appendix of the report.
b) The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

2.3. Introduction. The introduction shall include the following information:

(Continued on page 2)

a) Test/inspection objective(s). The specific test/inspection objective(s) as specified herein.
b) Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

1) Nomenclature
2) National stock number
3) Model number, part number, and serial number
3) Type of item (for example, prototype, production item, laboratory model)
5) Serial or lot number
6) Applicable engineering changes
7) Production item specification, if applicable
8) Date of manufacture

c) Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

1) Required test/inspection parameters.
2) Performance requirements, acceptance or compliance limits, and environmental criteria.

2.4 Summary. Complete test/inspection report summary including the following:

a. A brief discussion of the significant test/inspection results, observations conclusions, and recommendations covered in greater detail elsewhere in the report.
b. Proposed corrective actions and schedules for failures or problems encountered.
c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

a. Prior test/inspection reports on the same item.
b. Test/inspection plans and procedure documents.
c. Prior certifications of compliance.
d. Contractor's file designation where test/inspection records are maintained.
e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6. Body of Report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

a) Nomenclature
b) Model number
c) Serial number
d) Manufacturer

(Continued on page 3)

e) Calibration status
f) Accuracy data
g) Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

a) Location or orientation of the item
b) Location, orientation, or settings of test equipment and instrumentation
c) Location, orientation, or settings of sensors and probes
d) Location or orientation of interconnections, cables, and hoop-ups
e) Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification.

2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

a) Item selection and inspection that verified suitability for test/inspection.
b) Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

2.6.4 Test/inspection - results and analysis. A copy of all test/inspection results and analysis to include the following:

a) Recorded data. The actual recorded data (e.g., log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
b) Test/inspection results. Identification of all test/inspection results to include the following:

(1) Matrices comparing results achieved against test/inspection objectives or requirements (2) A discussion of these matrices as to their significance, and how they compare to any prior test/inspections
(3) Calculation examples
(4) Discussion of anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

a) The effectiveness of the test/inspection procedures in measuring item performance.
b) The success or failure of the item to meet required test/inspection objectives.
c) The need for repeat, additional, or alternative tests/inspections.
d) The need for item redesign or further development.
e) The need for improved test/inspection procedures, techniques, or facilities.
f) The adequacy and completeness of the test/inspection requirements.

2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

(Continued on page 4)

a) Acceptability of the item tested/inspected (pass or fail).
b) Additional testing/inspection required.
c) Redesign required.
d) Problem resolution.
e) Test/inspection procedure or facility improvements.
f) Disposition of items tested/inspected.
g) Documentation changes required.
h)Testing/inspection improvements.

2.7. Authentication. The following certifications shall be included, as applicable:

2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/ inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

2.8. Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/ inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

End of DI-NDTIMISC-80809B

Distribution Statement:

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

For Document Number 2303-0223

Docs: 2303-0224 U02 001, 2303-0225 U03 001, 2303-0226 U03 001, 2303-0227 U03 001

APPENDIX B

ADDITIONAL ORDERING INFORMATION FOR CVN 68 CLASS MAIN CONDENSER SW CIRCULATING SYSTEM EXPANSION JOINTS

Subject expansion joints are required to meet Grade A shock requirements. Currently, the 3 manufacturers listed on JML are the only ones that supply Navy approved Grade A shock qualified expansion joints for the CVN 68 Class. Expansion joints are to be manufactured to the appropriate manufacturer drawings below, and shall also meet the requirements of ASTM F 1123-87 (Standard Specification for Non-Metallic Expansion Joints). In accordance with ASTM F 1123-87, the following ordering information is provided:

1. Inside diameter of connecting pipes (check one): ☐ 28" ☒ 42" ☐ 46"
2. Flange face-to-flange face dimension (i.e. flange-to flange dimension into which the joint is to be installed) is 12 **inches** (as measured on the ship (12" nominally)).
3. Maximum operating pressure = 40 psig
Minimum operating pressure = 21 – 26 psig (normal)
4. Maximum operating temperature = 105° F
Minimum operating temperature = 60 – 95° F (normal)
5. **Drill ONE flange only** as follows:

   ☐ 28" dia. joint - 32 ea 1-3/16" dia holes on a 32-7/16" bolt dia circle
   ☒ 42" dia. joint – 38 ea 1-5/16" dia holes on a 47-3/4" dia bolt circle
   ☐ 46" dia. joint – 42 ea 1-5/16" dia holes on a 52" dia bolt circle
6. Fluid to be handled is seawater.
7. Movement data is not required.
8. Design certification burst test data is not required.
9. Expansion joint shall be hydrostatically tested at 60 psig, certified test data required.
10. Manufacturers certification data for lot sampling, testing, and inspection is not required.
11. Certified detailed drawing of expansion joint is not required.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to the above address. 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 TDF ____ TM ____ OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
	TEST/INSPECTION REPORT	HYDROSTATIC TEST REPORT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-NDTI-80809B		PSNS&IMF C/133

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION
A*	D	OTIME		
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**	
			B*	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

A. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repr
A*		1	0
TOTAL		1	0

16. REMARKS

A* Blocks 7 and 14 – Material Certification:

PUGET SOUND NAVAL SHIPYARD & INTERMEDIATE MAINTENANCE FACILITY
RECEIVING OFFICER BLDG 514
ATTN CODE 133
1400 FARRAGUT AVENUE
BREMERTON, WA 98314-5001

Block 9: Distribution Statement D: Distribution Statement D – Distribution authorized to DoD and DoD contractors only. Administration and operations only, effective 04/28/2010. Other U.S. requests shall be referred to COMNAVSEASYSCOM.

B* Block 13: Personnel Qualifications and Test Procedure, when ordered on separate contract line item or DD1423, should be submitted and approved before testing. Material certification shall be forwarded with the hardware. Government to verify format, content, and media. Acceptance timeframe for Government to review, verify, and accept/reject the report shall be as specified in the contract.

G. PREPARED BY	H. DATE	H. APPROVED BY	J. DATE
/s / Carrie Nelson	10/29/2012	/s/ John Porter	10/29/2012

For Document 2303-0224

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 on 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.

DATA ITEM DESCRIPTION
Title: TEST/INSPECTION REPORT

Number: DI-NDTI-80809B
AMSC Number: F72331
DTIC Applicable:
Office Of Primary Responsibility (OPR): F/AFMC-DOP
Applicable Forms:
Use/Relationship:

Approval Date: 970124
Limitation:
GIDEP Applicable:

1. The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

2. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

3. This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptable testing.

4. This DID supersedes DI-NDTI-80809A and DI-MISC-806

Requirements:

1. Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.

2. Content. The test/inspection report shall contain the following information, as applicable.

2.1. Cover and Title Page. The following information shall appear on the outside front cover and title page:

a) Report date.
b) Report number (contractor or government)
c) Contractor's name, address, and commercial and government entity code.
d) Contract number and contract line item number or sequence number (is applicable).
e) Test/inspection (for example. first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
f) Identification of item tested/inspected.
g) Date or period of test/inspection.
h) Name and address of requiring government activity.
i) Security classification, downgrading and declassification information, if applicable.

2.2. Table of Contents. The table of contents shall identify the following:

a) The title and starting page of each major section, paragraph, and appendix of the report.
b) The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

2.3. Introduction. The introduction shall include the following information:

(Continued on page 2)

a) Test/inspection objective(s). The specific test/inspection objective(s) as specified herein.
b) Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

1) Nomenclature
2) National stock number
3) Model number, part number, and serial number
3) Type of item (for example, prototype, production item, laboratory model)
5) Serial or lot number
6) Applicable engineering changes
7) Production item specification, if applicable
8) Date of manufacture

c) Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

1) Required test/inspection parameters.
2) Performance requirements, acceptance or compliance limits, and environmental criteria.

2.4 Summary. Complete test/inspection report summary including the following:

a. A brief discussion of the significant test/inspection results, observations conclusions, and recommendations covered in greater detail elsewhere in the report.
b. Proposed corrective actions and schedules for failures or problems encountered.
c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

a. Prior test/inspection reports on the same item.
b. Test/inspection plans and procedure documents.
c. Prior certifications of compliance.
d. Contractor's file designation where test/inspection records are maintained.
e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6. Body of Report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

a) Nomenclature
b) Model number
c) Serial number
d) Manufacturer

(Continued on page 3)

e) Calibration status
f) Accuracy data
g) Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

a) Location or orientation of the item
b) Location, orientation, or settings of test equipment and instrumentation
c) Location, orientation, or settings of sensors and probes
d) Location or orientation of interconnections, cables, and hoop-ups
e) Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification.

2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

a) Item selection and inspection that verified suitability for test/inspection.
b) Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

2.6.4 Test/inspection - results and analysis. A copy of all test/inspection results and analysis to include the following:

a) Recorded data. The actual recorded data (e.g., log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
b) Test/inspection results. Identification of all test/inspection results to include the following:

(1) Matrices comparing results achieved against test/inspection objectives or requirements (2) A discussion of these matrices as to their significance, and how they compare to any prior test/inspections
(3) Calculation examples
(4) Discussion of anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

a) The effectiveness of the test/inspection procedures in measuring item performance.
b) The success or failure of the item to meet required test/inspection objectives.
c) The need for repeat, additional, or alternative tests/inspections.
d) The need for item redesign or further development.
e) The need for improved test/inspection procedures, techniques, or facilities.
f) The adequacy and completeness of the test/inspection requirements.

2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

(Continued on page 4)

a) Acceptability of the item tested/inspected (pass or fail).
b) Additional testing/inspection required.
c) Redesign required.
d) Problem resolution.
e) Test/inspection procedure or facility improvements.
f) Disposition of items tested/inspected.
g) Documentation changes required.
h)Testing/inspection improvements.

2.7. Authentication. The following certifications shall be included, as applicable:

2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

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End of DI-NDTIMISC-80809B

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