

1. On page 26, item 3.8.1-b are the stored units completely empty in storage?

The Hippo will be completely drained when put into storage. However, naturally occurring condensation may occur during the storage period.

2. Is the water being pumped out of the “Hippo” OK at ambient temperature? We understand that we must prevent freezing in the system discharge but where does the responsibility lie beyond that? And what about the 120 degree water in the arid areas?

The system must be capable of operating in accordance with the requirements specified in the PD.

3. From FDSC (Failure Definition & Scoring Criteria), Will someone please define a “Class 3 Leak”, thanks. We believe it’s a minor leak, please confirm.

In accordance with paragraph 6.3.10 of ATPD 2319D a Class 3 leak is defined as leakage of a fluid great enough to form drops that would fall from the leaking item.

4. Paragraph I-114(i) – see page 95 of 211, states in part “The Government may waive the requirements for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government.” Since there has been only one prior contractor for the HIPPO system, is it the Government’s intention to waive first article tests and approval for that contractor and only for that contractor?

The Government reserves the right to waive First Article sub-test requirements, as appropriate, for any contractor. The Government will not be able to determine whether or not it is appropriate to grant a requested partial waiver of FAT prior to the Test Readiness Review described in C.4.4 of the Description/Specifications/Work Statement set out in the solicitation. The possibility that a partial waiver of FAT may be granted after contract award with an appropriate reduction in the amount to be paid for FAT Support costs will therefore not have any impact on the evaluation of offers. For this competitive evaluation offerors are to include the cost for full FAT in Proposal Volume IV – Price.

5. Paragraph I-114(i) – see page 95 of 211, states in part “The Government may waive the requirements for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government.” In the event an offeror other than the prior HIPPO contractor offers a HIPPO unit using the identical tank component,

manufactured by the same tank manufacturer as used by the prior HIPPO contractor, will the Government waive first article tests and approval for the tank portions of first article tests for that offeror?

Such a determination cannot be made at this time. However, the government would consider such detail in deciding which tests, if any, could subsequently be waived. Because the Government will not be able to determine whether or not it is appropriate to grant a requested partial waiver of FAT prior to the Test Readiness Review described in C.4.4 of the Description/Specifications/Work Statement set out in the solicitation, the possibility that a partial waive of FAT may be granted after contract award with an appropriate reduction in the amount to be paid for FAT Support costs will not have any impact on the evaluation of offers. For this competitive evaluation offerors are to include the cost for full FAT in proposal Volume IV – Price.

6. ATPD-2319D, Paragraph 4.1.4.1

Is the Government responsible for performing the testing and all associated costs associated with 4.1.4.1? Is contractor support required at the limited durability test 4.1.4.1?

The government will bear the cost of the Limited Durability Testing and the contractor support is required. The contractor is responsible for limited low temperature test and the costs associated with this test. The contractor shall bear the cost for all required retesting. (Revision to C.5.1.1 will reflect in an amendment to the solicitation..)

7. ATPD-2319D, Table 1 – Test Methods

Please confirm that the contractor's AI & T requirement under this table is limited to the CoC and supporting subcontractor documentation/certification, and that test demonstration and visual inspection are not required.

The contractor's AI&T requirement includes demonstration and visual inspections, as specified in Table 1. However, AI&T is limited to visual, dimensional, and operational tests required to ensure each Hippo conforms to acceptable configurational and operational standards.

8. ATPD-2319D, Paragraph 4.8 (4.8.1- 4.8.12) – Environmental Requirements.

The tests under this paragraph are categorized as First Article Tests. Please confirm that the Government is responsible for performing the testing and all associated costs associated with these paragraphs

The Government will conduct the testing necessary to verify these requirements, and will be responsible for associated costs. However, if re-testing is required as a result of system failure, the contractor shall be responsible for those costs.

9. ATPD-2319D, Paragraph 4.6.2. - Transportation configurations.

Please confirm that, with the exception of contractor's COC, and the Structural Integrity Test (4.6.2.1.a), ., the Government is responsible for performing all the testing and all the associated costs with the requirements under 4.6.2.1, 4.6.2.2, 4.6.2.3, 4.6.2.4., 4.6.2.5, and 4.6.2.6.

Correct. However, if re-testing is required as a result of system failure, the contractor shall be responsible for those costs.

10. Please confirm that the reference in 4.6.2.1 to 4.7.4 should be 4.7.9.

Correct; reference should be 4.7.9. This will reflect in an amendment to the solicitation.

11. ATPD-2319D, Paragraph 4.8.1.1 – Low Temperature.

The purchase description states that with 400 gallons of water in the tank, the system shall be shut down and held at -25 F for two hours without damage or ice formation.

In normal operation, as the water level drops, the temperature of the water will rise as a fixed amount of heat is added.

It is estimated that with 1000 gallons of water in the tank for 6 hours as specified in the test, the water temperature will be approximately 45 F. The tank is then drained down to 400 gallons and the system shutdown for 2 hours.

Is it acceptable to start the 2 hour system-off cold soak test at the ambient temperature of the water as described above?

When tested in accordance with 4.8.1.1, the resultant water temperature at the start of the 2-hour 'system off' soak will be determined by the system's freeze prevention capability. During the preceding 6-hour test segment (with 1000-gallon payload), no more than 150 gallons of water (to be either replaced or recycled) will be used to verify continued operational capability.

12. The RFP states that FAT can be waived. Will the government allow for waivers of certain FATs (when warranted) or will they only waive the FAT requirement completely? If certain FATs can be waived, under what conditions would the government consider waiving certain tests?

The government would consider waiving certain FAT sub-tests, but not the complete FAT. A decision on what tests may or may not be waived will only be made after conduct of the Test Readiness Review. For this competitive evaluation offerors are to include the cost of full FAT in proposal Volume IV – Price.

13. Sections A-K of the RFP contain Section B – Supplies or Services and Prices/Costs. Since this is price information do you want this section completed and contained within the Contract Volume?

Fill out section B and put your pricing information in Attachment 0016. Be sure that the information entered in Section B and in Attachment 0016 is consistent. This will reflect in an amendment to the solicitation.

14. Section L.6 Volume IV Factor 3: Price contains references only to Attachment 16 and does not reference Section B of the RFP.

Section M.7.2 states, “The total evaluated price shall be used in the trade-off evaluation. The total evaluated price consists of:

- a) The total evaluated price (less transportation) from Attachment 0016;

Plus

- b) an imputed cost of transportation, which the government shall compute in accordance with Section M clause entitled: Evaluation of Transportation Cost for long Term Contracts" (FAR 52.247-4557).

The total evaluated price shall be based upon the quantities in Attachment 0016, and (except for transportation) shall be calculated per Attachment 0016.”

However, Section M-2(d) references Section B.

Does the government want a completed Section B to be part of the Price Volume?

Fill out section B and put your pricing information in Attachment 0016. This will reflect in an amendment to the solicitation.

15. ATPD-2319D 3.5.20 states “The Hippo shall also be equipped with a mechanical 'Full-level' indicator, enabling an operator on top of the Hippo, and looking inside the tank through the man-hole opening, to know if the tank is filled to capacity (2000 +0/-20 gallons).” Does this mean that the government wants an indicator inside the Hippo tank or does the government desire a 'Full-level' indicator which can be seen by end-users from the outside of the Hippo?

Paragraph 3.5.20 of ATPD 2319D requires both a water level gauge that is viewable at ground level and full-level indicator that is viewable from the top of the HIPPO looking into the tank through the man-hole opening.

16. Given the RFP provision for requesting a waiver of First Article Testing, are their also provisions for waiving any of the below associated and separate items (see RFP reference paragraphs below):

1. Limited Low Temperature Test

2. Limited Durability Testing

3. Logistics Demonstration (LD)

4. Initial Operational Test & Evaluation (IOTE)

C.5.1 Pre-FAT Confidence Testing

C.5.1.1 Prior to delivery of First Article Test (FAT) units, the contractor shall perform a limited low temperature test in accordance with ATPD 2319D paragraph 4.1.4.2. The contractor shall also deliver a Hippo unit to the Tank-automotive and Armaments Command (TACOM) for Limited Durability Testing in accordance with ATPD 2319D paragraph 4.1.4.1. All failures experienced during test shall be thoroughly documented and analyzed by the contractor, and include corrective action taken to preclude recurrence. Failure analysis and corrective action data shall be submitted IAW CDRL A013(FACARS). Repeat testing may be required to validate corrective actions. Following the tests, the contractor shall develop and submit a test report IAW CDRL A015. All Hippos used for confidence testing shall be complete, and be of the same FAT-ready configuration.

C.7.14.1 The Government shall conduct a Logistics Demonstration (LD). The LD is a nondestructive disassembly and reassembly of a Hippo. System peculiar/specific Test, Measurement and Diagnostic Equipment (TMDE) and support equipment will also be tested to determine their logistic status.

C.10.2.4 Initial Operational Test and Evaluation (IOT&E) Operator and Maintainer Training. Training to support the Initial Operational Test and Evaluation (IOT&E) shall consist of one operator course and one maintainer course. The contractor shall conduct IOT&E training for a maximum of 12 students in each class at location to be determined prior to the beginning of the IOT&E. The Government reserves the right to have additional personnel present during conduct of course. These courses shall be targeted to the personnel who will operate and maintain the system. The IOT&E courses shall be taught by the contractor utilizing draft courseware. The operator course shall not be more than 24 hours in length; the maintainer course shall not be more than 16 hours in length. The contractor shall deliver all lesson materials, training literature, training aids, special tools & test equipment, and all tools necessary to disassemble and assemble, to the training site not later than seven days prior to the training. The training materials shall include Training Course outlines CDRL A044 and Instructor Guides and Student Training Guides CDRL A045. At the conclusion the contractor shall provide Training Course completion Records CDRL A046.

The Government may waive any of these depending on the circumstances and its assessment of risks. However, the offerors should not assume that any tests will be waived and should include the cost of full FAT in proposal Volume IV - Price. The Government will bear the cost of the Limited Durability Testing and the contractor support is required. The contractor is responsible for limited low temperature test and the costs

associated with this test. The contractor shall bear the cost for all required retesting. (Revision to C.5.1.1 will reflect in an amendment to the solicitation.)

17. RFP A.2 states that the maximum quantity to be ordered under this contract is 851 units. F-15 (c) (1) (iii) states "You will deliver 35 units every thirty days." And L.4.1(c) states provides the following quantities for order year 1: 311; order year 2: 260; order year 3: 274, which equates to a maximum delivery quantity of 25.916 (26)/month.

For proposal/evaluation purposes should industry assume a production rate in accordance with the maximum specified in Section L.4.1(c) (i.e. 25.916 (26)/month).

The highest rate of production that the Government may require is 35 per month as stated in paragraph (c) (1)(iii) of clause F-15 of the solicitation. This number represents a maximum that you should be able to achieve, but need not exceed. The breakout of annual quantities in L.4.1(c) represents probable rates, based on current budget information.

18. The ATPD makes mention of the freeze prevention being automatic. This is a bit vague, and implies that there would have to be an auto start function. Is this a specific requirement the unit must have? It's important to understand, because if the unit is used in an area where silence is required, an auto-start function could be disruptive.

If this is in reference to PD paragraph 3.5.30 Freeze prevention operation, the intent of the requirement is NOT to have the Hippo engine start itself. This would not be allowed. The intent is, however, to have the automatic safety features be functional while the system is operating.

19. I am trying to research items listed in section 6.3.3 This section gives a website address <http://158.2.5.50/codebase/index/html> I have tried several times to access this site, the link is not good. Can you supply me with the correct web address? In addition can you supply the breakdown of the two kits; NSN 5180-01-548-7634 and 4910-00-754-0653? These kits are not given in the appendixes."

Information on tool kits can be found at: <https://pmskot.army.mil>. The content of NSN: 5180-01-548-7634 is posted to the Hippo website. We are still researching the content of the NSN: 4910-00-754-0653.

