**INFORMATION TO OFFERORS OR QUOTERS**  
**SECTION A - COVER SHEET**  

The public reporting burden for this collection of information is estimated to average 35 minutes 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 (0990-0225), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person will be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS: RETURN COMPLETED FORM TO THE ADDRESS IN BLOCK 4 BELOW.

<table>
<thead>
<tr>
<th>1. SOLICITATION NUMBER</th>
<th>2. (X one)</th>
<th>3. DATE/TIME RESPONSE DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA8629-06-R-2350</td>
<td>a. INVITATION FOR BID (IFB)</td>
<td>21 NOV 2005</td>
</tr>
<tr>
<td></td>
<td>X. REQUEST FOR PROPOSAL (RFP)</td>
<td>1600 EST</td>
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<td>c. REQUEST FOR QUOTATION (RFQ)</td>
<td></td>
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</tbody>
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**INSTRUCTIONS**

NOTE: The provision entitled "Required Central Contractor Registration" applies to most solicitations.

1. If you are not submitting a response, complete the information in Blocks 9 through 11 and return to the issuing office in Block 4 unless a different return address is indicated in Block 7.

2. Offerors or quoters must include full, accurate, and complete information in their responses as required by this solicitation (including attachments). "Fill-ins" are provided on Standard Form 18, Standard Form 33, and other solicitation documents. Examine the entire solicitation carefully. The penalty for making false statements is prescribed in 18 U.S.C. 1001.

3. Offerors or quoters must plainly mark their responses with the Solicitation Number and the date and local time for bid opening or receipt of proposals that is in the solicitation document.

4. Information regarding the timeliness of response is addressed in the provision of this solicitation entitled either "Late Submissions, Modifications, and Withdrawal of Bids" or "Instructions to Offerors - Competitive Acquisition".

4. ISSUING OFFICE (Complete mailing address, including Zip Code)

USAFA/AFMC  
AERONAUTICAL SYSTEMS CENTER (ASC)  
2275 D STREET, BLDG 16, ROOM 0101  
WRIGHT-PATTERSON AFB OH 45433-7233

5. ITEMS TO BE PURCHASED (Brief description)

Combat Search and Rescue Recovery Vehicle (CSAR-X) System  
Development and Demonstration (SDD), CSAR-X Low Rate Initial Production (LRIP) and initial Production Options.

6. PROCUREMENT INFORMATION (X and complete as applicable)

| a. THIS PROCUREMENT IS UNRESTRICTED |
| b. THIS PROCUREMENT IS _____% SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: |
| c. THIS PROCUREMENT IS _____% SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: |
| d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT. |

7. ADDITIONAL INFORMATION

8. POINT OF CONTACT FOR INFORMATION

| a. NAME (Last, First, Middle Initial) |
| DONALD C. FISHER |
| b. ADDRESS (Include Zip Code) |
| See Block 4 |
| c. TELEPHONE NUMBER (Include Area Code and Extension) |
| 937-255-4706 X |
| d. E-MAIL ADDRESS |
| Donald.Fisher@wpafb.af.mil |

9. REASONS FOR NO RESPONSE (X all that apply)

| a. CANNOT COMPLY WITH SPECIFICATIONS |
| b. UNABLE TO IDENTIFY THE ITEM(S) |
| c. CANNOT MEET DELIVERY REQUIREMENT |
| d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED |
| e. OTHER (Specify) |

10. MAILING LIST INFORMATION (X one)

WE DO DO NOT DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE INVOLVED.

11a. COMPANY NAME

| b. ADDRESS (Include Zip Code) |

11c. ACTION OFFICER

| (1) TYPED OR PRINTED NAME (Last, First, Middle Initial) |
| (2) TITLE |
| (3) SIGNATURE |
| (4) DATE SIGNED (YYYY/MM/DD) |

DD FORM 1707, FEB 2002  
PREVIOUS EDITION IS OBSOLETE.
<table>
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</table>

DATE (YYYYMMDD) 21 NOV 2005  LOCAL TIME 1600 EST
SOLICITATION, OFFER AND AWARD

1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) DO-Al PAGE O PAGES

2. CONTRACT NO. 3: SOLICITATION NO. FA8629-06-R-2350

4. TYPE OF SOLICITATION SEALLED BID (IFB) NEGOTIATED (RFP)

5. DATE ISSUED 6. REQUISITION/PURCHASE NO.

7. ISSUED BY ASC/LHUK CODE FA8629

USAF/AFMC AERONAUTICAL SYSTEMS CENTER (ASC)
2275 D STREET,BLDG 16, ROOM 0101
WRIGHT-PATTERSON AFB OH 45433-7233
DONALD C. FISHER 937-255-4706 DONALD.FISHER@WPAFB.AF.MIL

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9.

10. FOR INFORMATION CALL:

A. NAME See Block 7

B. TELEPHONE (Include area code) See Block 7

C. E-MAIL ADDRESS See Block 7

11. TABLE OF CONTENTS

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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within calendar days (60 calendar days unless a different period is inserted by the offeror) from the date of receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT

(See Section I, Clause No. 52.232-8)

10 CALENDAR DAYS %
20 CALENDAR DAYS %
30 CALENDAR DAYS %

14. ACKNOWLEDGEMENTS OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:)

AMENDMENT NO. DATE AMENDMENT NO. DATE

15A. NAME AND ADDRESS OF OFFEROR

CODE FACILITY

15B. TELEPHONE NO. (Include area code)

15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.

16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

17. SIGNATURE

18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED

20. AMOUNT

21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:

10 U.S.C. 2304(c) ( ) 41 U.S.C. 253(c) ( )

23. SUBMIT INVOICES TO ADDRESS SHOWN IN

(4 copies unless otherwise specified)

24. ADMINISTERED BY (If other than Item 7) CODE

25. PAYMENT WILL BE MADE BY CODE

26. NAME OF CONTRACTING OFFICER (Type or print)

(Signature of Contracting Officer)

27. UNITED STATES OF AMERICA

28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

STANDARD FORM 33 (REV. 9-97)
Prescribed by GSA
FAR (48 CFR) 53.21(c)
Attachment 14 - Non-developmental Baseline Aircraft Flight Evaluation

1.0 Instructions to Offerors

- The purpose of the flight evaluation effort is to assess the current capability of the offeror's baseline aircraft. The Government understands that the aircraft provided for the CSAR-X Flight Evaluation may have to be modified through the SDD contract to meet all SRD Block 0 and/or Block 10 requirements. Accordingly, the flight evaluation will be used to support a Government assessment of the offeror's proposal risk. Participation shall be at the offeror's expense except for the Government support identified in paragraph 4.0.

- A team comprised of Air Force Materiel Command (AFMC), Air Force Operational Test and Evaluation Center (AFOTEC) and Air Force Special Operations Command (AFSOC) personnel from the H-60 Combined Test Force (CTF) stationed at Nellis AFB, Nevada will be present to conduct the flight evaluation. The CTF will conduct the flight evaluation at Nellis and/or Creech AFB, Nevada. The series of flight evaluations that highlight the mission profiles will start as soon as possible after issuance of the formal RFP. An alternate location may be used as necessary. *(Table A14-4, Task 4, Event #1-#2 shall be evaluated during coordinated time frame and location).* The CTF will evaluate each CSAR-X candidate aircraft in five CSAR-X specific task areas utilizing the attached task tables. Evaluation will include ground and flight events during a one week period for an estimated total of 15 flight hours. A Government flight card will be provided to each offeror at the start of each event and at the conclusion of each day, a flight card debrief will be provided to each offeror. A written report and briefing will be provided to the entire Source Selection Evaluation Team (SSET) by the CTF regarding the results of flight evaluations and this information will not be provided to any offeror. Any interactions during the flight evaluation between the offeror and the Government personnel will not constitute "discussions" as defined in FAR 52.215-1.

- Each offeror will be notified of their scheduled week to participate in a flight evaluation. Each offeror will be totally responsible for their candidate aircraft, crew, and equipment as well as their safety. The Air Force will provide no support except for a power cart and JP-8 fuel for the week in support of the flight evaluation. Any cost of fuel to Nellis AFB is at the offeror's expense.

- The CSAR-X aircraft will be flown in accordance with the offeror’s safety restrictions. The contractor pilot will be the aircraft commander. The offerors will be responsible for providing a safety pilot and Flight Engineer (FE)/equivalent for safety on the aircraft, the necessary maintenance personnel and equipment to sustain flight operations for the tasks listed in the week of execution. The offeror will be required to provide all applicable flight manuals and checklists and a complete listing of the configuration of the flight evaluation aircraft.

- During the evaluation, the CTF pilot will accompany the contractor pilot flying the mission profiles. The Government may send CTF pilots to each offeror’s current trainer location for some preliminary aircraft familiarization training. During the evaluation week, up to three CTF pilots will fly in the aircraft. CTF flight test engineers, flight engineers, and Pararescue Jumpers (PJ) will also participate.

- The Government team will keep the configuration listing provided by the offeror. The configuration listing, flight evaluation execution write-ups, and any other notes will be
provided to the source selection evaluation team for inclusion in the overall evaluation of the offeror's proposal risk.

2.0 **Offeror Requirements for Flight Evaluation**

The offeror shall:

- Conduct indoctrination training to the Source Selection Flight Evaluation Team. The training shall include aircraft systems overview, pilot duties, aircraft operations, egress, emergency procedures, and proper use of emergency equipment.
- Submit to the Government (see paragraph 2.1.5 for submission address), NLT 30 days prior to the scheduled ground/flight evaluation, the following documents:
  - Visit Request
  - Flight safety certificates
  - Flight manuals
  - Weight and balance cards
  - Flight waivers
  - Descriptions of any aircraft safety limitations not covered in the flight manuals
  - A completed Attachment 15, Nellis Communication Squadron Network support form
  - A completed Attachment 16, Offeror Air Vehicle Supplemental Data Form
  - A completed Attachment 19, DD Form 2400 - Civil Aircraft Certificate of Insurance
  - A completed Attachment 20, DD Form 2401 - Civil Aircraft Landing Permit
  - A completed Attachment 21, DD Form 2402 - Civil Aircraft Hold Harmless Agreement
- Bring one or two aircraft. A representative cabin mockup (not installed on aircraft) will be allowed for the cabin configuration task.
- At Government request, be prepared to participate in the Government Safety Review Board (SRB).
- Conduct crash and rescue training for local fire department prior to first flight.
- Conduct all required aircraft inspections/maintenance during the ground/flight evaluation.

3.0 **Government Support of Flight Evaluation**

The Government will provide:

- Personnel to support a local area orientation flight upon arrival
- AIE equipment, SCL and/or specialized mission equipment (ZODIAC, Rescue All Terrain Transport, 4 wheel quads, motorcycles
- Normal flight line security
- Crash and rescue support
- Qualified AFMC and AFSOC pilots
- JP-8 fuel for conducting the Flight Evaluation
- Office space and access to a computer network
- Safety Review Board
- Standard Aerospace Ground Equipment (AGE)
4.0 **Evaluation Tasks**

The government team will assess the CSAR-X candidate aircraft by evaluating the five tasks listed below. Additionally, the government team will collect Handling Qualities Ratings (HQR) using Cooper-Harper, workload ratings, and evaluation questionnaire comments.

4.1 **Task 1: CSAR-X Mission Profile Flight Capabilities**

Methodology: The Government team will use task 1 to get familiar with the aircraft and assess the capabilities of the CSAR-X candidate aircraft. The flight will consist of the tasks identified in Table A14-1. The aircraft will be configured with SCL and fueled at gross weight limits. Task 1 is estimated to be approximately 5.0 hrs. of flight in duration.

4.2 **Task 2: Hovering Operations**

Methodology: The government team will evaluate the ability of the PJ to approach the aircraft at mid-mission gross weight at different hovering altitudes. Additionally, the team will evaluate the capability of the CSAR-X candidate aircraft to perform hoist operations in a prepared surface with a Stokes litter attached (if a hoist is provided and approved for use). The Stokes litter will be configured with a 200 lb mannequin. The FE will comment on the ability to bring the litter into the aircraft. This task will be performed at a prepared surface and at unprepared surveyed Landing Zone (LZ) in conjunction with Task 3. There will be no hoist operations in the unprepared LZ. Task 2 is estimated to be 1.5 hrs. of flight time at the prepared surface and 1.0 hr. at the unprepared surface LZ. More details can be found in Table A14-2 and Table A14-3, respectively.

4.3 **Task 3: Tactical Profile/Terminal Area Operations**

Methodology: The Government team will fly the CSAR-X candidate aircraft to surveyed LZs. The environment of the LZ will be unprepared (grass, rocks, sand, water). The Government team will assess the capability of the CSAR-X candidate aircraft to conduct enroute operations, low level/terrain flight, maneuvering capability, terminal area approaches, Alternate Insertion Extraction (AIE) operations, hovering, and tactical takeoff and departure. Additionally, the Government team will assess the situational awareness displays/functions and the ability of the crew to visually identify and locate a target/survivor, and Field of View (FOV) during all missions flown. This task is estimated at 7.0 hrs of flight duration. More details can be found in Table A14-3.

4.4 **Task 4: Deployability/Maintenance**

Methodology: The government team will evaluate the teardown and preparation of the aircraft as required for deployability KPP requirements. The government team will observe the maintenance actions required for the conduct of the CSAR-X candidate aircraft tasks. The maintenance team will focus on the number of maintenance actions required, accessibility of aircraft equipment, number of personnel to conduct actions, procedures, peculiar support equipment, and special tooling required. The maintenance tasks will be accomplished throughout the week of execution. The teardown and preparation task will be scheduled for one day of execution. More details can be found in Table A14-4.
4.5 Task 5: Cabin Configuration

Methodology: The government team will assess the capability of the CSAR-X candidate aircraft to carry and configure the equipment necessary to conduct a personnel recovery (PR) mission. A Pararescue Jumper (PJ)/FE team will assess the loading of equipment, cabin layout (litters, AIE equipment) and document the dimensions of the cabin area to include doors, ramps, and working area. Prior to flight on the first day, the flight evaluation crew will also re-familiarize and evaluate cockpit systems and displays. This task is estimated at 9.0 hrs. of ground time. More details can be found in Table A14-5.
PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION L - INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS

Table A14-4 Task 4: Deployability/Maintenance
(Events 1-2 shall be evaluated at a time frame and at a location coordinated by the offeror.)

<table>
<thead>
<tr>
<th>Event #</th>
<th>Event</th>
<th>Descriptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Aircraft Teardown</td>
<td>Evaluate teardown procedures, note actions required to teardown aircraft, collect time. (Timed teardown procedures begin when the word “GO” is given and “STOP” when the CSAR-X is prepped and ready for loading onto the transport aircraft.) (3 hour time limit as per the SRD, Section 3.4.2 (KPP))</td>
</tr>
<tr>
<td>2.</td>
<td>Aircraft Preparation</td>
<td>Evaluate preparation procedures after simulated roll-off. Collect time and actions required to prepare aircraft for flight ready status. (Timed build-up procedures begin when the word “GO” is given and “STOP” when the CSAR-X is flight ready status (maintenance sign off of aircraft log book).) (3 hour time limit as per the SRD, Section 3.4.2 (KPP))</td>
</tr>
<tr>
<td>3.</td>
<td>Equipment Accessibility</td>
<td>Note accessibility of all aircraft equipment</td>
</tr>
<tr>
<td>4.</td>
<td>Maintenance Actions</td>
<td>Note long term, short term, or preventive maintenance accomplished. Note number of personnel and special skill levels required to complete maintenance actions. Note functionality of integrated diagnostics.</td>
</tr>
<tr>
<td>5.</td>
<td>Special tooling</td>
<td>Note the number of special tooling required for daily maintenance</td>
</tr>
<tr>
<td>6.</td>
<td>Peculiar Support Equipment</td>
<td>Note the peculiar support equipment used for daily maintenance</td>
</tr>
<tr>
<td>7.</td>
<td>Tech manuals</td>
<td>Evaluate the type and use of technical manual</td>
</tr>
</tbody>
</table>

Table A14-5 Task 5. Cabin Configuration

<table>
<thead>
<tr>
<th>Event #</th>
<th>Event</th>
<th>Descriptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Non-Ambulatory personnel treatment area</td>
<td>Note the number of litters and littered patient positions available. Assess walking room and working space available from litter position.</td>
</tr>
<tr>
<td>2.</td>
<td>Cabin crew and recovery team area</td>
<td>Note the number and location of crew positioning and seating area. Note Ingress / Egress routes, field of view, weapons mounting areas and fields of fire.</td>
</tr>
<tr>
<td>3.</td>
<td>Accessibility to equipment</td>
<td>Note the accessibility of AIE, medical, communication, and other loaded equipment.</td>
</tr>
<tr>
<td>5.</td>
<td>Equipment Load</td>
<td>PJ/FE load medical treatment, AIE equipment, SCL and/or specialized mission equipment (ZODIAC, Rescue All Terrain)</td>
</tr>
</tbody>
</table>