

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 11)
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	(Signature of Contracting Officer)

INSTRUCTIONS

Instructions for items other than those that are self-explanatory, are as follows:

(a) Item 1 (Contract ID Code). Insert the contract type identification code that appears in the title block of the contract being modified.

(b) Item 3 (Effective date).

(1) For a solicitation amendment, change order, or administrative change, the effective date shall be the issue date of the amendment, change order, or administrative change.

(2) For a supplemental agreement, the effective date shall be the date agreed to by the contracting parties.

(3) For a modification issued as an initial or confirming notice of termination for the convenience of the Government, the effective date and the modification number of the confirming notice shall be the same as the effective date and modification number of the initial notice.

(4) For a modification converting a termination for default to a termination for the convenience of the Government, the effective date shall be the same as the effective date of the termination for default.

(5) For a modification confirming the contracting officer's determination of the amount due in settlement of a contract termination, the effective date shall be the same as the effective date of the initial decision.

(c) Item 6 (Issued By). Insert the name and address of the issuing office. If applicable, insert the appropriate issuing office code in the code block.

(d) Item 8 (Name and Address of Contractor). For modifications to a contract or order, enter the contractor's name, address, and code as shown in the original contract or order, unless changed by this or a previous modification.

(e) Item 9, (Amendment of Solicitation No. - Dated), and 10, (Modification of Contract/Order No. - Dated). Check the appropriate box and in the corresponding blanks insert the number and date of the original solicitation, contract, or order.

(f) Item 12 (Accounting and Appropriation Data). When appropriate, indicate the impact of the modification on each affected accounting classification by inserting one of the following entries.

(1) Accounting classification _____
Net increase \$ _____

(2) Accounting classification _____
Net decrease \$ _____

NOTE: If there are changes to multiple accounting classifications that cannot be placed in block 12, insert an asterisk and the words "See continuation sheet".

(g) Item 13. Check the appropriate box to indicate the type of modification. Insert in the corresponding blank the authority under which the modification is issued. Check whether or not contractor must sign this document. (See FAR 43.103.)

(h) Item 14 (Description of Amendment/Modification).

(1) Organize amendments or modifications under the appropriate Uniform Contract Format (UCF) section headings from the applicable solicitation or contract. The UCF table of contents, however, shall not be set forth in this document

(2) Indicate the impact of the modification on the overall total contract price by inserting one of the following entries:

(i) Total contract price increased by \$ _____

(ii) Total contract price decreased by \$ _____

(iii) Total contract price unchanged.

(3) State reason for modification.

(4) When removing, reinstating, or adding funds, identify the contract items and accounting classifications.

(5) When the SF 30 is used to reflect a determination by the contracting officer of the amount due in settlement of a contract terminated for the convenience of the Government, the entry in Item 14 of the modification may be limited to --

(i) A reference to the letter determination; and

(ii) A statement of the net amount determined to be due in settlement of the contract.

(6) Include subject matter or short title of solicitation/contract where feasible.

(i) Item 16B. The contracting officer's signature is not required on solicitation amendments. The contracting officer's signature is normally affixed last on supplemental agreements.

INSTRUCTIONS: Replace the following page.

Page	Section	Para	Change Description
8	C	2.1(c)	Correct typo
13	C	6.2(b)	Corrected to read: “The image shall be saved so that the most northwest corner of the image is saved to the files the top left corner (i.e. north faces up on the computer screen).
14	C	6.3(f)	Correct typo
15	C	6.4(e)(2)	Correct typo
17	C	7.1	Correct typo
18	C	7.1(b)&(c)	Correct paragraph numbering
23	E	5.2	Corrected to read: “The Government will issue an acceptance letter to the Contractor, stating the materials that have been accepted and the materials that have been rejected, at which time an invoice may be submitted.”
25	F-	1.2	Correct Naming Convention Example
26	F	1.3 – 1.5	Correct Naming Convention Example
27	F	1.7	Correct typo
32	G	6	Correct typo
42	J		Correct typo
43-44	J	Exhibit 1	Change “level of processing” to “cci = color corrected image” Require version number to be padded with leading zeros Correct examples
45	J	Exhibit 2 Figure 1	Correct typos on CD/DVD example
65	M	3	Correct FAR Clause date

NOTICE:

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-Whitten Building, 1400 Independence Avenue, SW, Washington D.C. 20280-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

REQUEST FOR PROPOSAL

SOLICITATION NUMBER: USDA-FS-6-09 DIGITAL IMAGERY SERVICES FOR ALASKA

Solicitation Issue Date: April 23, 2009



U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY
AERIAL PHOTOGRAPHY FIELD OFFICE

NOTICE TO OFFEROR

Any proposal submitted for this RFP must be identified with the following information labeled on the outside of the mailing package:

SOL.NO.: USDA-FS-6-09
DUE DATE: 22-MAY-2009, 4:30 PM
RECEIVING OFFICE: CONTRACTING

Mail To: AERIAL PHOTOGRAPHY FIELD OFFICE
CONTRACTING OFFICER
2222 WEST 2300 SOUTH
SALT LAKE CITY UTAH 84119-2020

PLEASE NOTE THE FOLLOWING SPECIAL TASK ORDER INSTRUCTIONS

This solicitation is for an Indefinite Delivery Indefinite Quantity (IDIQ), fixed-price contract. The contract covers the based year (2009) and two option years (2010 & 2011). Prospective contractors are instructed to submit a single proposal in response to solicitation USDA-FS-6-09 and the task order solicitation AK-TO-6-09-1. Proposals will be evaluated based on the combined response to both documents. A Contract will be awarded prior to award of any task orders. Task orders are the method by which project item areas are awarded. See Section L of the contract for proposal instructions.

Proposals must be presented in two parts, a pricing proposal and a technical proposal. Do NOT include any pricing or cost "information" in the technical proposal. Please do not secure your proposal using a "plastic comb" or spiral type bindings and limit the size to a maximum of 40 double-sided pages. Documentation and samples required in accordance with an Attachment A of the contract may be submitted in a separate referenced attachment and will not be counted towards the page limitation. Task order awards will be made based on procedures established in Section L-3 of the contract, USDA-FS-6-09.

The quality of Alaska digital elevation models (DEMs) is historically poor and/or nonexistent and Contractors are encouraged to review all possible approaches to meet the task order requirements. Contractors should provide a detail description of the technical approach and processes used to achieve the horizontal accuracy requirements of this task order project.

The Government's obligation under this task order RFP is contingent upon the availability of funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment, other than the minimum guaranteed amount, may arise until funds are made available to the Contracting Officer for all or part of the task order requirements. The Government also reserves the right to award less than the total quantities stated in the project item.

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES
2. CONTRACT NUMBER	3. SOLICITATION NUMBER	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED	6. REQUISITION/PURCHASE NUMBER	
7. ISSUED BY		CODE	8. ADDRESS OFFER TO (If other than Item 7)		

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

SOLICITATION

9. Sealed offers in original and _____ copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in _____ until _____ local time _____ (Hour) _____ (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE (NO COLLECT CALLS)		C. E-MAIL ADDRESS
		AREA CODE	NUMBER	EXT.

11. TABLE OF CONTENTS

(X)	SEC.	DESCRIPTION	PAGE(S)	(X)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
	A	SOLICITATION/CONTRACT FORM			I	CONTRACT CLAUSES	
	B	SUPPLIES OR SERVICES AND PRICES/COSTS		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
	C	DESCRIPTION/SPECS./WORK STATEMENT			J	LIST OF ATTACHMENTS	
	D	PACKAGING AND MARKING		PART IV - REPRESENTATIONS AND INSTRUCTIONS			
	E	INSPECTION AND ACCEPTANCE			K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
	F	DELIVERIES OR PERFORMANCE			L	INSTRS., CONDS., AND NOTICES TO OFFERORS	
	G	CONTRACT ADMINISTRATION DATA			M	EVALUATION FACTORS FOR AWARD	
	H	SPECIAL CONTRACT REQUIREMENTS					

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 for 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 <i>(See Section I, Clause No. 52.232-8)</i>	10 CALENDAR DAYS (%)	20 CALENDAR DAYS (%)	30 CALENDAR DAYS (%)	CALENDAR DAYS (%)
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14. ACKNOWLEDGMENT OF AMENDMENTS <i>(The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):</i>	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER <i>(Type or print)</i>		
15B. TELEPHONE NUMBER		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>	17. SIGNATURE		18. OFFER DATE
AREA CODE	NUMBER				

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: <input type="checkbox"/> 10 U.S.C. 2304(c)) <input type="checkbox"/> 41 U.S.C. 253(c) ()			23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM
24. ADMINISTERED BY (If other than Item 7)		CODE	25. PAYMENT WILL BE MADE BY		CODE
26. NAME OF CONTRACTING OFFICER (Type or print)			27. UNITED STATES OF AMERICA		28. AWARD DATE
			<i>(Signature of Contracting Officer)</i>		

where work will be performed on this contract shall be indicated in the ORCA Certification.

1.5 Project Management and Flight Planning

The Contractor is required to provide the necessary project management, coordination, and supervision to conduct project planning, flight line planning and acquisition, image processing, product delivery, and related technical and progress reports as required in the contract (see Section C-7, Project Management).

1.6 Labor and Materials

The Contractor shall furnish all materials, equipment, transportation, superintendence, and labor as required herein. The Contractor shall execute and finish the imagery acquisition, orthoimagery production and related services for the project specified and shall deliver to the USDA all materials called for in Section F-1, Materials to be Delivered.

C-2 APPLICABLE DOCUMENTS

2.1 Attachments

The following documents attached to this solicitation document are considered requirements and specifications under the resulting contract(s), as applicable to the Contractor's technical proposal:

- (a) USDA Digital Camera Specification, (Attachment A)
- (b) USDA Digital Imagery Quality Specifications, (Attachment B)
- (c) USDA File Format Specification, (Attachment C)

2.2 References

The following documents referenced in this solicitation document are considered requirements and specifications under the resulting contract(s), as applicable to the Contractor's technical proposal:

- (a) Federal Geographic Data Committee (FGDC) Specification, FGDC-STD-001-1998 ("Content Standard for Digital Geospatial Metadata")
- (b) Federal Geographic Data Committee (FGDC) Specification, FGDC-STD-007.3-1998 ("Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy")
- (c) Code of Federal Regulation (CFR) Title 14 ("Federal Aviation Regulations")
- (d) GeoTIFF Revision 1.0 Specification, dated December 28, 2000 (Version 1.8.2)
- (e) TIFF Specification Revision 6 dated June 3, 1992 (Adobe Systems Inc.)

- (b) File Format. The 4-band imagery shall be 8-bit per band in accordance with the Adobe TIFF Specifications and shall have the following band order: Red, Green, Blue, and Infrared, unless otherwise specified in the individual task order. The image **shall** be saved so that the most northwest corner of the **image is saved to** the file as the top left corner (i.e. north faces up on the computer screen). Files shall use the naming convention specified in Exhibit 1, File Naming Convention, unless otherwise specified in the task order.
- (b) Media Requirements: All imagery shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The files shall be stored in a single subdirectory under the root directory called “corrected”.
- (c) Metadata: The Contractor shall create Federal Geographic Data Committee (FGDC) compliant, per the FGDC-STD-001-1998 specification, metadata file for each digital image file. Metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 (or later version) without any errors. No metadata template will be provided.

6.3 Digital Orthorectified Quarter-quarter Quadrangle (DOQQQ) Tiles

The Contractor shall provide ortho-rectification services to produce mosaicked quarter-quarter quadrangle tiles. The tile shall cover the entire image area of one quarter of USGS’s standard quarter quadrangle, with a 300 meter buffer on all four sides of the QQQ, and shall be projected in the coordinate system identified in the individual task order.

- (a) Image Quality. All tiles shall meet the image quality requirements specified in Attachment B, USDA Digital Imagery Quality Specifications. If multiple image files are used to create a DOQQQ tile, the Contractor shall radiometrically balance the files to eliminate any checkerboard pattern appearance in the DOQQQ. However, it is the Government’s preference not to have tiles balanced with neighboring tiles. The DOQQQs shall not contain any borders, artifacts, or other non-image items.
- (b) Spatial Resolution. The spatial resolution shall be specified in the individual task order.
- (c) Horizontal Accuracy. The horizontal accuracy shall be specified in the individual task order.
- (d) File Format. The digital image shall be a 4-band georeferenced tagged image file format (GeoTIFF) created in accordance with Attachment C, USDA File Format Specification. Files shall use the naming convention specified in Exhibit 1, File Naming Convention, unless otherwise specified in the task order.
- (e) Image Source. The Contractor may use imagery from multiple exposures, i.e., using the “sweet spot” from a preceding or succeeding image, when creating the tile images. Using “chips” (imagery pieces from other frames) to correct defects is also permitted. All exposures shall be from the same type of sensor and must be from

- same acquisition season. When multiple exposures are used in creating a tile, the acquisition date with the largest area shall be used when reporting dates in a single date field, such as metadata or attribute data. An average or mean date shall not be used.
- (f) Preproduction Sample. The Contractor shall submit a single radiometric corrected image within 21 days of the first image acquisition for Government review. The sample shall be a TIFF (GeoTIFF preferred), and submitted on a standard CD or DVD (labeling requirements in Section E are not required). The Government will evaluate and provide **an** approval or disapproval letter with comments no later than 3 business days, with a goal of 24 hours. Additional project item area samples may be submitted for review if approved by the Contracting Officer Representative (COR).
 - (g) Media Requirements: All quarter quadrangle image tiles shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The files shall be stored in a single subdirectory under the root directory called “doqqqs”.
 - (h) Metadata: Contractor shall create FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file using the template furnished by the Government for each DOQQQ generated. Metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 (or later version) without any errors.

6.4 Compressed Project Mosaic

The Contractor shall produce compressed project mosaic (CPM) files using the imagery associated with the tiles created in Section C-6.2, Digital Ortho-rectified Quarter-quarter Quadrangle Tiles.

- (a) Image Quality. The Contractor shall tone balance the composite DOQQQs to give the CPM a consistent and uniform image quality appearance that eliminates a checkerboard effect. The resulting CPM should maintain as much of the original color and appearance of the color corrected tiles as practical.
- (b) Horizontal Accuracy. The accuracy requirements specified in the DOQQQs shall be preserved when creating the CPM using the imagery associated with the quarter quadrangle tiles.
- (c) File Format. The CPMs shall be compressed using the compression format specified in the individual task order. File naming convention shall be specified in the individual task order.
- (d) Media Requirements: CPM shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The file(s) shall be stored in a single subdirectory under the root directory called “cpm”.

(e) Metadata and Related Information

- (1) Metadata. The Contractor shall create a FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file using the Government provided template for each CPM and seamline shapefile generated. The metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 (or later version) without any errors.
- (2) Seamline Shapefile. The task order may require a seamline shapefile, see individual task order for requirements.

6.5 ABGPS/IMU Data Files

The Contractor shall post-process Airborne Global Positioning System (ABGPS) and Inertial Measurement Unit (IMU) data. The Contractor shall submit both the raw and processed data. The processed data shall be projected in the same coordinate system as the DOQQs and shall be compatible with ERDAS Imagine, Leica Photogrammetry Suite (LPS), BAE Socet Set, and ESRI Stereo Analyst for ArcGIS.

- (a) File Format. The ABGPS/IMU Data shall be an ASCII text file, unless otherwise specified in the individual task order. Contractor may use any consistent and logical naming convention.
- (b) Media. ABGPS/IMU data files shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The files shall be stored in a single subdirectory under the root directory called “gps”.
- (c) Metadata. The Contractor shall create FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file for each ABGPS/IMU data file. Metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 (or later version) without any errors. No metadata template will be provided.

6.6 Supplemental GPS Ground Data

The Contractor shall provide any GPS ground data used to supplement the ABGPS positional data adjustments. For example, base stations or CORS. The data shall be projected in coordinate system specified in an individual task or for the DOQQs.

- (a) File Format. Supplemental data shall be delivered in a non-proprietary format mutually agreeable to the Government and Contractor. Contractor may use any consistent and logical naming convention.
- (b) Media. All supplemental ground control files shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The files shall be stored in a single subdirectory under the root directory called “gps_base”.
- (c) Metadata. The Contractor shall create FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file for each supplemental ground data file. Metadata must

extensions end. If reflights are determined necessary or ordered by the Contracting Officer, progress reports covering such performance are required.

An E-mail address will be provided at contract award. See Section J, Exhibit 3, Progress Report for syntax and example.

7.2 Subcontract Management

If the Contractor uses subcontractors in the performance of the contract, a plan and procedure will be established to manage its subcontractors. Contractor should give prior notification of any subcontracts in accordance with G-4, Subcontracts. The Contractor is encouraged to maximize its use of partnerships and subcontractors to accomplish the requirements of this contract. However, the Contractor is solely responsible for the performance and cost control of its partnerships and subcontractors.

7.3 Photo-Center Data File

The Contractor shall prepare a digital photo-center data file for the aerial imagery delivered under this contract and shall include a FGDC compliant metadata support file. The photo-center location, latitude and longitude coordinates, shall be corrected to reflect the physical ground location and shall be accurate within 5 meters (16.4 feet) of true location. The coordinates shall be expressed in Decimal Degrees and formatted to the datum and projection specified in the individual task order.

- (a) File Format. The photo-center file(s) shall be provided in ASCII comma delimited text format. A comma delineated header file shall precede the data in each file as shown in the example. Files shall use the naming convention specified in Exhibit 1, File Naming Convention, unless otherwise specified in the task order. The file(s) shall include the following attributes or as specified in the individual task order:

<u>DESCRIPTION</u>	<u>MAXIMUM NUMBER OF CHARACTERS IN FIELD</u>	<u>HEADER NAME</u>
Project Identification Code	6	ProjID
Flight Line Number*	4	FltLn
Exposure Number*	4	ExpNum
Date of Exposure (YYYYMMDD)	8	ExpDate
Time of Exposure – Local 24 Hour Clock (HHMMSS)	6	ExpTime
Sensor Serial Number **	15	Sensor
Corrected Latitude (DD.DDDDDD)	9	Lat
Corrected Longitude (-DDD.DDDDDD (Negative))	11	Lon
Flight Altitude in meters at camera (MMMMM.MM; MSL)	8	FltAlt
Number of GPS Satellites Acquired	2	GPSNum
Position Dilution of Precision (PDOP)	3	PDOP

IMU omega value (Radians)	10	Omega
IMU phi value (Radians)	10	Phi
IMU kappa value (Radians)	10	Kappa

*Same image number used for image file naming convention.

**If digital camera has more than one sensor head please use the camera serial number.

Example:

ProjID,FltLn,ExpNum,ExpDate,ExpTime,Sensor,Lat,Lon,FltAlt,GPSNum,PDOP,Omega,Phi,Kappa
610020,25,1,20080827,130755,12345678,57.71936,-135.41498,7048.63,5,1.5,.0001358,.01073000,-.873265

- (b) Media. Photo-center file(s) shall be delivered on external computer hard drives as defined in Section D-1.1(c), External Hard Drives. The files shall be stored in a single subdirectory under the root directory called “pcf”.
- (c) Metadata: The Contractor shall create FGDC compliant, per the FGDC-STD-001-1998 specification, metadata file for each photo-center file. Metadata must parse cleanly through the USGS metadata parser “mp” version 2.8.10 (or later version) without any errors. No metadata template will be provided.

C-8 QUALITY CONTROL

Quality control shall be exercised by the Contractor continuously throughout the performance of the contract. Procedures shall be established to assure that all contract materials are delivered in accordance with the delivery schedule and at the required level of accuracy and quality. The Contractor shall inspect and constantly monitor the image quality and coverage, and shall undertake immediate reflights of any imagery where the quality fails to meet minimum requirements of the contract specifications. Any marginal imagery submitted for inspection which does not meet minimum requirements may be rejected. The marginal imagery may be accepted, at the Government’s convenience, but shall be subject to a price reduction based on the diminished usability of the product. The nature and urgency of this project may require the Government to make equitable financial adjustments for materials deemed rejectable or where product use is adversely impacted. USDA inspection and acceptance procedures are described in Section E, Inspection and Acceptance.

8.1 Accuracy Assessment

The Contractor shall provide a statement of accuracy meeting paragraph 3.2.3 of the National Standard for Spatial Data Accuracy (NSSDA). This statement will declare that the data was compiled to meet the stated accuracy requirements listed in the individual task order. This statement shall be included in the Contractor generated metadata. Example of a statement: "Compiled to meet 13.9 meters horizontal accuracy at 95% confidence level".

Contract materials will be inspected in the order of their receipt, unless otherwise prioritized by the Government. Inspection of project items where the acquisition season is open will be given priority over projects for which the season has closed.

The Contractor will be notified in writing whether the materials are satisfactory and what areas, if any, shall be reacquired and what materials, if any, shall be remade because of nonconformity with contract requirements.

E-4 PARTIAL COVERAGE

If the Contractor obtains only partial coverage for any project item during the season, all partial imagery and contract deliverables shall be processed and delivered according to the requirements specified for completed imagery. Interim products may be required to satisfy partial delivery. The requirement for processing partial coverage may be waived only by the Contracting Officer.

E-5 ACCEPTANCE

5.1 Final Acceptance

Final acceptance will be made by the Contracting Officer after inspection by the Government of all required materials delivered at the specified destination. The acceptance date shall be the date of the letter, by the Government to the Contractor, stating all materials are acceptable and an invoice may be submitted.

5.2 Partial Acceptance of a Completed Project

The Government may make a partial acceptance on a completed project area due to the rejection of deficient or non-compliant material(s). A partial acceptance will result in a contract price reduction based on the final determination of contract material compliance to contract requirements and specifications. The Government will issue an acceptance letter to the Contractor, stating the materials that have been accepted and the materials that have been rejected, at which time **an invoice may** be submitted.

5.3 Partial Acceptance of a Project with a Season Extension

Partial acceptance on any uncompleted project requiring a season extension will be made only after the acquisition season has ended and all materials required for the project area have been delivered, inspected, and accepted by the Government. The acceptance date shall be the date of the letter by the Government to the Contractor identifying the amount of partial acceptance and at which time an invoice may be submitted.

PART I - THE SCHEDULE

SECTION F - DELIVERIES OR PERFORMANCE

F-1 MATERIALS TO BE DELIVERED

The materials as specified in the individual task order(s) shall be delivered as required and in accordance with the specifications below. The Contractor shall maintain a copy of all data until the Government acknowledges receipt.

1.1 PROJECT FLIGHT PLAN

Item	Requirement
Format	txt, doc, or pdf
Media	Paper Copy, E-mail, or CD-ROM
Naming Convention	None
Quantity	One (1)
Date of First Submittal	Prior to Commencing Acquisition
Submittal Frequency	Once
Government Approval Required	Yes
Required Metadata	None

1.2 UNPROCESSED 16-BIT IMAGE FILES

Item	Requirement
Format	TIFF
Media	Hard Drive (see Section D-1.1(c))
Naming Convention	See Section J, Exhibit 1 (i.e. "610020_0025_0001_20090721_raw_30_v01.tif")
Quantity	One (1) collection of images per Set of Hard Drives
Date of First Submittal	No later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	Yes (see Section E)
Required Metadata	Yes (separate file for each image file)

1.3 COLOR CORRECTED 8-BIT IMAGE FILES

Item	Requirement
Format	TIFF
Media	Hard Drive (see Section D-1.1(c))
Naming Convention	See Section J, Exhibit 1 (i.e. “610020_0025_0001_20090721_cc_30_v01.tif”)
Quantity	One (1) collection of images per Set of Hard Drives
Date of First Submittal	No later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	Yes (see Section E)
Required Metadata	Yes (separate file for each image file)

1.4 DIGITAL ORTHO-RECTIFIED QUARTER-QUARTER QUADRANGLE TILES

Item	Requirement
Format	GeoTIFF
Media	Hard Drive(see Section D-1.1(c))
Naming Convention	See Section J, Exhibit 1 (i.e. “m_5715211se1_08_30_20090721_v02.tif”)
Quantity	One (1) Preproduction Sample One (1) collection of images per Set of Hard Drives
Date of First Submittal	Preproduction sample required 21 days after first flight. DOQQQs shall be delivered no later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	Yes (see Section E)
Required Metadata	Yes (separate file for each DOQQQ)

1.5 COMPRESSED PROJECT MOSAICS

Item	Requirement
Format	LizardTech’s MrSID [®] , unless otherwise specified in the individual task order.
Media	Hard Drive(see Section D-1.1(c))
Naming Convention	See Section J, Exhibit 1 (i.e. 610020_6-09-1_1-1_30_m_3_v01.sid)

Quantity	One (1) Mosaic per Set of Hard Drives, including Seamline Shapefile(s)
Date of First Submittal	No later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	Yes (see Section E)
Required Metadata	Yes

1.6 ABGPS/IMU DATA & SUPPLEMENTAL GROUND DATA

Item	Requirement
Format	(see Section C-6.5)
Media	Hard Drive (see Section D-1.1(c))
Naming Convention	None
Quantity	One (1) ABGPS/IMU Data File per Set of Hard Drives One (1) Supplemental Ground Data File per Set of Hard Drives
Date of First Submittal	No later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	Yes (see Section E)
Required Metadata	Yes (separate file for each file type)

1.7 STEREO-BLOCK FILE(S)

Item	Requirement
Format	Leica LPS Compatible File
Media	Hard Drive (see Section D-1.1(c))
Naming Convention	None
Quantity	One (1) file per Set of Hard Drive
Date of First Submittal	No later than sixty (60) calendar days after acquisition period.
Submittal Frequency	Once
Government Approval Required	No
Required Metadata	Yes (separate file for each block file)

G-4 SUBCONTRACTS

Before entering into a subcontract covering any part of the work called for, the Contractor shall inform the Contracting Officer and submit information required by the Contracting Officer to determine acceptability and approval of the anticipated subcontractor's equipment to be used.

G-5 CHARGES TO CONTRACTOR

The Government may, at its option, correct deficiencies found to exist in connection with materials submitted by the Contractor and deduct from the Contractor's vouchers the cost thereof to the Government. When the deficiencies to be corrected are such that the cost exceeds \$500.00 at current prices, such corrections will be made only with the prior approval of the Contractor, except in the event of termination for default.

G-6 INVOICES

One original invoice shall be submitted to the Contracting Officer designated in this contract. To constitute a proper invoice, the invoice must include the following information and/or attached documentation:

- (a) Name and address of the Contractor.
- (b) Invoice date and Invoice Number.
- (c) Contract number, or other authorization for supplies delivered or services performed.
- (d) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.
- (e) Shipping and payment terms.
- (f) Name (where practicable), title, phone number, and complete mailing address of responsible official to whom payment is to be sent.
- (g) Any other information or documentation required by the contract.

Notice of an apparent error, defect, or impropriety in an invoice will be given to the Contractor within 7 days of receipt of an invoice and suitable documented.

G-7 PARTIAL PAYMENTS

Upon the acceptance of a partial delivery, the Contractor may submit an invoice for partial payment. Partial payment will be made on a unit basis (*see individual task order for description of unit*) at the rate of ninety (90) percent of the amount due. Any payment thus made is a partial payment of the contract. Partial payments shall be approved by the Contracting Officer under the conditions stated in FAR 52.232-1, Payments.

The remaining balance, less any authorized reductions, will be paid upon final acceptance of all remaining deliverables and services required under the contract.

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

<u>Exhibit</u>	<u>Description</u>	<u>Page</u>
Exhibit 1	File Naming Convention (2 pages)	43-44
Exhibit 2	Labeling Requirements (2 pages)	45-46
Exhibit 3	Progress Report (2 pages)	47-48
Exhibit 4	Alaska DOQQQ File Naming Logic (2 pages)	49-50
Exhibit 5	Alaska UTM Zones (1 page)	51
Exhibit 6	Wage Determination (3 Pages)	52-54
Exhibit 7	Glossary and Definitions (1 page)	55

Attachment A: USDA Digital Camera Specification (4 pages)

Attachment B: USDA Digital Imagery Quality Specifications (3 pages)

Attachment C: USDA Digital File Format Specification (9 pages)

EXHIBIT 1

FILE NAMING CONVENTION

Non-georeferenced Digital Image Files:

File Name: <project code>_<flight line>_<exposure>_<yyyymmdd>_<l>_<r>_<v#>.tif

<project code> - project code
<flight line> - flight line*
<exposure> - consecutively numbered value*
<yyyymmdd> - image exposure date
<l> - level of processing (“raw” = unprocessed, “cci” = color corrected image)
<r>- resolution, in centimeters
<v#> - version number*
*padded with leading zeros

Example: 610020_0025_0001_20090827_raw_30_v01.tif
610020_0025_0001_20090827_cci_30_v02.tif

Quarter Quadrangle Image Tiles:

File Name: <n>_<fffffffff>_<xx>_<r>_<yyyymmdd>_<v##>.tif

<n> –bandwidth designator (“o”=black & white; “n”=natural color; “c”=color IR, or “m”=multispectral)
<fffffffff> – quarter-quarter quad name (see Exhibit 4)
<xx> – two digit UTM zone
<r> - resolution, in centimeters
<yyyymmdd> - date of acquisition (majority date)
<v##> - version number*
*padded with leading zeros

Example: m_5715211se1_08_30_20090721_v02.tif
m_5715211se2_08_30_20090721_v02.tif
m_5715211se3_08_30_20090721_v02.tif
m_5715211se4_08_30_20090721_v02.tif

Photo-center File:

File Name: <project code>_pcf_<tono>_<item>_<v#>.txt

<project code> - project code
<tono> - task order number without prefix
<v##> - version number
*padded with leading zeros

Example: 610020_pcf_6-09-1_v01.txt

EXHIBIT 1 (CON'T)

Compressed Project Mosaics:

File Name: <project code>_<tono>_<x-x>_<r>_<n>_<f>_<v##>.sid/jpg

<project code> - project code

<tono> - task order number without prefix

<x-x> - file number and total count (i.e. "1-2" = file 1 of 2)

<r> - resolution in centimeters

<n> – bandwidth designator (n=natural color; c=color IR; or m=multispectral)

f - compression format (s=MrSID[®]; j=JPEG2000)

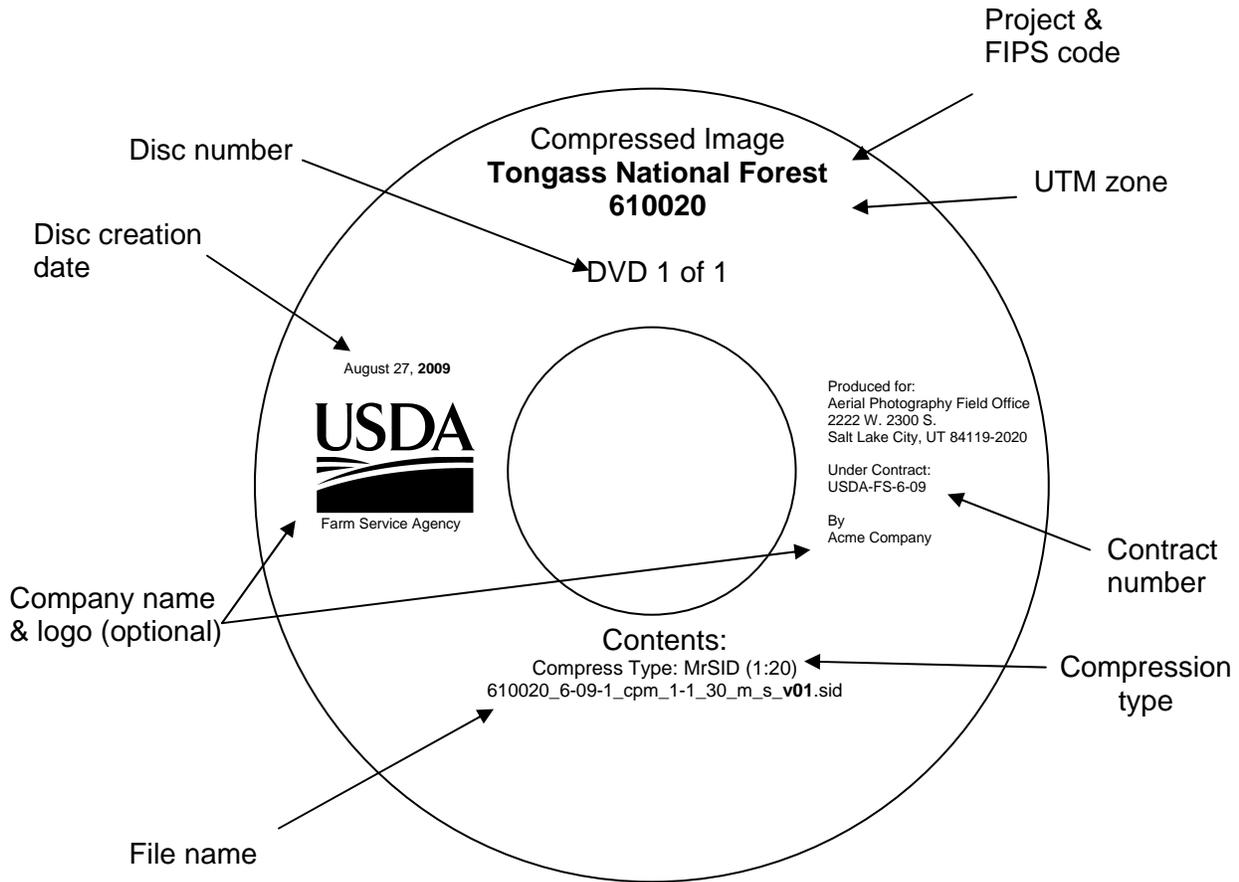
<v##> - version number*

***padded with leading zeros**

Example: 610020_6-09-1_1-1_30_m_s_v01.sid

EXHIBIT 2
Figure 1

CD/DVD Labeling Requirements



ELEMENT	EXAMPLE
Company name & logo	Acme Company
Compression type & ratio	MrSID® (1:20)
Contract number	USDA-FS-6-09
Disc Creation date	August 27, 2009
Disc Number	DVD 1 of 1
File name	610020_6-09-1_cpm_1-1_30_m_s_v1.sid
Project & FIPS	610020
UTM zone	08

2.1 Technical Evaluation

<u>Evaluation Criteria</u>	<u>Relative Point Value</u>
(a) Project Management Capability	25
(b) Past Performance History	25
(c) Quality Control System	20
(d) Personnel Qualifications	10
(e) Aircraft and Camera Availability	10
(f) Incomplete Contracts	<u>10</u>
	100

2.2 Price Evaluation

While technical excellence is considered more significant than price, the proposed price between technically superior proposals shall be an important factor in selection of a proposal for award. The Government reserves the right to make an award to other than the lowest priced offeror, or other than the highest technically rated offeror, when the perceived benefits and tradeoffs provide the Government the greatest value.

Based on comparative evaluations of the pricing proposals for the basic and optional award item requirements (see Task Order Solicitation), the Government will consider for award that offer that represents the greatest value and is determined to be in the best interest and the most advantageous to the Government.

Offerors are cautioned to insert the unit price and the total price for the Project Item Area(s) in the appropriate locations in the Task Order Solicitation. In case of discrepancy between a unit price (for example, price per DOQQQ) and an extended price (total price), the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

2.3 Other Factors

The Contracting Officer will consider, in addition to the evaluation criteria, the prospective Contractor's responsibility record in terms of financial resources, business integrity and ethics, and other standards, as defined in the Federal Acquisition Regulation, Part 9.

M-3 EVALUATION EXCLUSIVE OF OPTIONS (APR 1984) (FAR 52.217-3)

The Government will evaluate offers for award purposes by including only price for the base requirement; *i.e.*, options will not be included in the evaluation for award purposes.