				OME	APPRO	VAL #: 2700-0042
		OLICITATION		1. CONTRACT ID CODE		PAGE OF PAGES
		ACT AMENDMENT C	3	ITION/DUROUMOE REO, NO.	Le BDOJE	1 2 DT NO. (If applicable)
2. AMENDMENT/MODIFICATION 50	√ NO.   3. E	FFECTIVE DATE See Block 16c		ITION/PURCHASE REQ. NO. 158161, 4200158424	5. PROJEC	or NO. (II applicable)
6. ISSUED BY	CODE	BH4/JNH	7. ADMINIS	STERED BY (If other than Item 6)	CODE	
NASA/Johnson Spa	ace Center	W	_			
Attn: BH4/Stacy J.						
2101 NASA Parkwa						
Houston, TX 7705	•					
8. NAME AND ADDRESS OF CO	ONTRACTOR (No., s	treet, county, State, and Zip Co	nde)			
Sverdrup Technolo	ay Inc					
Attn: Mr. Paul Spic		ects Manager				
P.O. Box 58447, M						
Houston, TX 77258		***				
CODE 348M3	, 0 1 1 7		FACILITY (	CODE		
() 9A. AMENDMENT OF	SOLICITATION NO.			O (SEE ITEM 11)		
X NNJ05HI05		ER NO.	10B. DATE	ED <i>(SEE ITEM</i> 13)  December	17, 2004	
	11. THIS I	TEM ONLY APPLIES TO	O AMENDA	MENTS OF SOLICITATION	s	
The above numbered solici	tation is amended as	set forth in Item 14. The hour	and date speci	fied for receipt of Offers	is extended,	is not extended.
Offers must acknowledge receipt	of this amendment p	rior to the hour and date specifi	ed in the solici	tation or as amended, by one of the	e following me	inods:
(a) By completing Items 8 and 15	, and returning			dging receipt of this amendment on		
submitted; or (c) By separate lett	er or telegram which	includes a reference to the solid THE RECEIPT OF OFFERS P	citation and am RIOR TO THE	iendment numbers. FAILURE OF ' HOUR AND DATE SPECIFIED M.	YOUH ACKNO AY RESULT II	N REJECTION OF
YOUR OFFER. If by virtue of thi	s amendment you de	sire to change an offer already:	submitted, suc	h change may be made by telegrar	n or letter, pro	vided each telegram
or letter makes reference to the s			r to the openin	g hour and date specified.		
12. ACCOUNTING AND APPRO		requirea)				
<del>-</del>		CATIONS OF CONTRACTS/OF	RDERS,IT MOI	DIFIES THE CONTRACT/ORDER	NO. AS DESC	CRIBED IN ITEM 14.
A THIS CHANGE OR	DER IS ISSUED PUE	RSUANT TO: (Specify authority	THE CHANG	GES SET FORTH IN ITEM 14 ARE	MADE IN THE	
CONTRACT ORDER N	O. IN ITEM 10A.					
B. THE ABOVE NUME appropriation date, etc.	ERED CONTRACT/ SET FORTH IN ITE	ORDER IS MODIFIED TO REF M 14, PURSUANT TO THE AU	LECT THE AD ITHORITY OF	MINISTRATIVE CHANGES (such FAR 43.103(b).	as changes in	paying office,
C. THIS SUPPLEMEN	TAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHOR	ITY OF:	·	
d. OTHER (Specify typ	e of modification and	authority)				
X Limitation of Fun	ds Clause (FAR	52.232-22)				
E, IMPORTANT: Contractor	X is not,	is required to sign the	nis document a	and return	copies to the	e issuing office
14. description of amendment/n	nodification (Organize	ed by UCF section headings, inc	duding solicita	tion/contract subject matter where f	easible.)	
T1	dificatio	n is to obligate fur	ada on th	no contract		
The purpose of thi	s modificatio	in is to obligate ful	ius on u	ie contract.		
						e .
15A. NAME AND TITLE OF SIG	NER (Type or print)	· · · · · · · · · · · · · · · · · · ·	16A. NAM	E AND TITLE OF CONTRACTING	OFFICER (T	ype or print)
(O). THERE PRINT THEE OF OR			1	rpentier, Contracting Offic		· ·
15B, CONTRACTOR/OFFERC	R15B.	15C. DATE SIGNED	16B. UNI	TED STATES OF AMERICA		16C. DATE SIGNED
CONTRACTOR/OFFEROR			BY In	riginal signed by/		

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$250,790,457.07. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **June 14, 2006.** 
  - (b) An additional amount of \$9,677,580.59 is obligated under this contract for payment of fee.

(End of clause)

### 2. Funding recapitulation:

	Obligations Thru  Modification 48  Obligation The Modification 5		Revised Cumulative Obligation
Total Cost	\$244,565,691.59	\$6,224,765.48	\$250,790,457.07
Fee	<u>\$9,519,804.15</u>	<u>\$157,776.44</u>	<u>\$9,677,580.59</u>
Total	\$254,085,495.74	\$6,382,541.92	\$260,468,037.66

#### 3. Obligations and De-obligations

Obligations:		Deobligations:	WBS Element	,
4200158161	\$2,167,490.33			•
4200158161	\$4,215,051.59			
TOTAL	\$6,382,541.92		TOTAL	\$0.00

Net Change		
Obligations		\$6,382,541.92
Deobligations		\$0.00
	TOTAL	\$6,382,541.92

				OME	3 APPRO	VAL #: 2700-0042
MOD		OF SOLICITATION/ NTRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF PAGES 1 3
2. AMENDMENT/M	ODIFICATION NO. 49	3. EFFECTIVE DATE See Block 16c	4. REQUISITION	ON/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable)
6. ISSUED BY	CODE	BH4/JNH	7. ADMINISTE	RED BY (If other than Item 6)	CODE	
NASA/John	son Space Cent	er	_			
	Stacy J. Gilliam					
2101 NASA	•					
Houston, T		(Also student sound) Chats and Zin C	\ad-\	e jaren eta		
8. NAME AND ADD	RESS OF CONTRACTOR	(No., street, county, State, and Zip Co	oae)			
•	echnology, Inc.					
	•	ontracts Manager				
	3447, Mail Stop K 77258-8447	JE-IVVA				
CODE 348M			FACILITY COL	DE		
() 9A. AMEN	DMENT OF SOLICITATION	NO.	9B. DATED (S	SEE ITEM 11)		
10A MOD	IFICATION OF CONTRACT	C/ORDER NO	10B DATED	(SEE ITEM 13)		· · · · · · · · · · · · · · · · · · ·
	J05HI05C	TOTAL TOTAL	100. 511125 (	December	17, 2004	,
		HIS ITEM ONLY APPLIES TO				
		ded as set forth in Item 14. The hour ament prior to the hour and date specif			is extended, following me	is not extended.
(a) By completing Ite	ems 8 and 15, and returning	copies of the amendment: (b)	) By acknowledgin	g receipt of this amendment on	each copy of	the offor
submitted; or (c) By	separate letter or telegram	which includes a reference to the solid	citation and amend	Iment numbers. FAILURE OF	OUR ACKNO	OWLEDGEMENT TO
		FOR THE RECEIPT OF OFFERS PI ou desire to change an offer already:				•
or letter makes refer	ence to the solicitation and	this amendment, and is received prior				
	AND APPROPRIATION DA	ATA (If required)				
		DDIFICATIONS OF CONTRACTS/OF	RDERS IT MODIFIE	ES THE CONTRACT/ORDER N	O AS DESC	CRIBED IN ITEM 14
· · · · · · · · · · · · · · · · · · ·		D PURSUANT TO: (Specify authority	· · · · · · · · · · · · · · · · · · ·			
	T ORDER NO. IN ITEM 10		/) THE CHANGES	SET FORTH IN ITEM 14 ARE	WADE IN THE	
		ACT/ORDER IS MODIFIED TO REF N ITEM 14, PURSUANT TO THE AU			as changes in	paying office,
	UPPLEMENTAL AGREEMI 2.243-2 Alt. II	ENT IS ENTERED INTO PURSUANT	T TO AUTHORITY	OF:		
d. OTHER	(Specify type of modification	n and authority)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			· · · · · · · · · · · · · · · · · · ·
E. IMPORTANT: 0	Contractor X is n	ot, is required to sign th	nis document and r	return 2	copies to the	issuing office
14. description of a	mendment/modification (Or	ganized by UCF section headings, inc	cluding solicitation/	contract subject matter where fe	asible.)	
<b>-</b>	6 .1		D 40 D 11			
		ation is to update DRI e Center (JSC) Gove	•	, ,		
, ,	•	ery address, phone n			(GFE)	and Fiight
1 1044010 10	doloto the doll	ory addition, priorito in	amboro, ar	ia o man adaroos.		
154 NAME AND T	ITI E OE SIGNED /Time on	nrint)	160 NAME A	ND TITLE OF CONTRACTING	OFFICER (T	una ar neint)
IDA. NAME AND I	ITLE OF SIGNER (Type or	pun)		ND TITLE OF CONTRACTING entier, Contracting Off	٠.	γρ <del>ο</del> οι ριιτί)
15B. CONTRACTO		15C. DATE SIGNED	16B. UNITED	STATES OF AMERICA	1	6C. DATE SIGNED
CONTRACTOR/OF	FEHOR		BY /origi	nal signed/	(	05/22/2006
(Signature	of person authorized to sign)		<u> </u>	gnature of Contracting Officer)		

1. Data Requirements Document (DRD) 19 is hereby modified to delete the delivery address, phone numbers and e-mail address. All future delivery information will be specified via a CO letter or e-mail. The DRD is modified as follows:

	,					
1. DRD Title	"""		Line No.	RFP/Contract No. (Procurement completes)		
Problem Reporting and Corrective Action (PRACA) for Johnson Space Center (JSC)	May 2, 2006	19		NNJ05HI05C		
Government Furnished Equipment (GFE) and Flight Products						
4. Use (Define need for, intended use of, and/or an	ticipated results of da	ta)	5. DRI	Category: (check one)		
To report problems and to document their subseque	ent resolution and app			Technical		
	••			Administrative		
				SR&QA		
6. References (Optional)	7. Interrelationships Nonconformance Re	e <i>(e.a., wi</i> ecord DR	ith othe	r DRDs) (Optional)		
8. Preparation Information (Include complete instructions for document preparation)						

#### APPLICABLE DOCUMENTS:

JSC 28035, Program Problem Reporting and Corrective Action (PRACA) Requirements for Johnson Space Center (JSC) Government Furnished Equipment (GFE)

NSTS 22206, Requirements for Preparation and Approval of Failure Modes and Effects Analysis (FMEA) and Critical Items List (CIL)

SSP 30234, Failure Modes and Effects Analysis and Critical Items Requirements List for Space Station

#### SCOPE:

Nonconformances requiring JSC GFE PRACA reporting are defined in JSC 28035. PRACA reporting is limited to flight equipment and software, equipment that is representative of flight equipment and software (flight-like) and critical ground support equipment and software. PRACA requirements are also applicable to subcontractors that provide these products.

#### **CONTENTS:**

A. The following data is mandatory for the initial reporting of a problem. The initial report shall be transmitted to the JSC PRACA Center within 2 business days after isolation to a configuration item but no later than 10 business days after occurrence/detection.

- 1. PRACA Number [a unique tracking number assigned to the PRACA report]
- 2. Nonconformance Number [a unique local nonconformance number]
- 3. Detect Date [The date (mm/dd/yyyy) nonconformance occurred or was detected]
- 4. Location [The location where the nonconforming item was at, at the time of occurrence/detection]
- 5. Program [The affected NASA program (SSP, ISS, or both)]
- Project Office [The responsible NASA Project Office (EVA, FCE, Life Sciences, Orbiter, RMS, Other
- 7. Contact [The technical point of contact, organization, and phone number]
- 8. Report Date [Date the PRACA report was initiated]
- 9. Detected During [The specific test or operation performed when the nonconformance occurred)]

- 10. Title [A brief, but descriptive, title for the problem]
- 11. Description [A narrative description of the problem including the observed event(s) as well as the expected event(s).]
- 12. Identification of the Configuration Item by:
- a. Part name
- b. Part number
- c. Serial number, lot number, or version
- d. Manufacturer's name
- e. Manufacturer's Contractor and Government Entity (CAGE) code
- B. The following data shall be provided when it becomes known (with the exceptions noted). This data shall be provided as updates to the initial PRACA report. This data is mandatory for the closure of the report.
- 13. The end item or product (if not the configuration item), specific subassemblies, and the nonconforming article shall be identified
- a. Part name
- b. Part number
- c. Serial number, lot number, or version
- d. Manufacturer's name
- e. Manufacturer's CAGE code
- 14. FMEA No. [Failure Mode and Effects Analyses number. Note: if the hardware is used by the Space Station and the Space Shuttle Programs, provide both FMEA numbers.]
- 15. FMEA Criticality [criticality per NSTS 22206 or SSP 30234). This data is required within 10 calendar days of opening the problem report.
- Note: if the hardware is used by the Space Station and the Space Shuttle Programs, provide both FMEA criticalities.]
- 16. FMEA/CIL Impact [yes or no, is the FMEA/CIL retention rationale impacted by the occurrence of this problem?]
- 17. Out-of-Family Problem [yes or no, based on the definitions of In-Family and Out-of-Family in JSC 28035.]
- 18. Fracture Critical [ves or no, is the material involved fracture critical?]
- 19. ECD [Estimated Completion Date for submitting a final closure of the problem. This data is required within 30 calendar days of opening the problem report.]
- 20. Process Escape [yes or no, per the definition of process escape in JSC 28035]
- C. The following data shall be provided to close the report:
- 21. Final report [A final report documenting the specific information required for closure per JSC 28035,
- i.e. final closure with corrective action (this is preferred) or final closure without corrective action (explanation)]
- 22. Approval signatures
- 23. Date Approved
- D. The contractor shall maintain a status list on all open problems including estimated completion date. This status shall be submitted to the Contracting Officer's Technical Representative and the JSC PRACA Center on a monthly basis during the contract.

**FORMAT**: The contractor's format is acceptable; however, data shall be easily identifiable to the data labels specified in Contents.

JSC Form 2174 is a preferred document for initiating problem reports.

Hours of operation: 8:00 a.m. - 4:30 p.m. Central, Monday through Friday

**MAINTENANCE:** Update as required.

				OME	B APPRO	VAL #: 27	00-0042
		OF SOLICITATION/ NTRACT AMENDMENT (	)F	1. CONTRACT ID CODE		PAGE OF I	PAGES
2. AMEN	DMENT/MODIFICATION NO. 44	3. EFFECTIVE DATE See Block 16c		1001/PURCHASE REQ. NO. 3106 & 4200153062	5. PROJEC	T NO. (If applic	cable)
6. ISSUE	D BY CODE	BH4/JEG	7. ADMINIS	FERED BY (If other than Item 6)	CODE		
	VJohnson Space Cent		-1				
	BH4/Michael D. Ballar	rd					
	NASA Parkway ton, TX 77058						
	AND ADDRESS OF CONTRACTOR	(No. street county State and Zin Co	nde)	· · · · · · · · · · · · · · · · · · ·			
	· · ·	rto., street, courty, state, and zip o	<i>3</i> <b>4</b> 0,				
	Irup Technology, Inc.	untur ata Managana					
	Mr. Paul Spickard, Co Box 58447, Mail Stop						
	ton, TX 77258-8447	JE-IVVA					
CODE	348M3		FACILITY CO	DDE			
0 9	PA. AMENDMENT OF SOLICITATION	NO.	9B. DATED	(SEE ITEM 11)			·
X	10A. MODIFICATION OF CONTRACT NNJ05HI05C	/ORDER NO.	10B. DATE	O (SEE ITEM 13)  December	17, 2004		
		HIS ITEM ONLY APPLIES TO	O AMENDME		· · · · · · · · · · · · · · · · · · ·		
	above numbered solicitation is amend ast acknowledge receipt of this amendn				is extended,		xtended.
	mpleting Items 8 and 15, and returning d; or (c) By separate letter or telegram v			ing receipt of this amendment on ndment numbers. FAILURE OF \			т то
	EIVED AT THE PLACE DESIGNATED FFER. If by virtue of this amendment you						
or letter n	nakes reference to the solicitation and t	his amendment, and is received prio					
	OUNTING AND APPROPRIATION DA et obligation: <b>\$2,797,843.</b>	, , ,					
	3. THIS ITEM APPLIES ONLY TO MO		RDERS,IT MODII	FIES THE CONTRACT/ORDER N	NO. AS DESCR	RIBED IN ITEM	l 14.
	A. THIS CHANGE ORDER IS ISSUED	PURSUANT TO: (Specify authority	) THE CHANGE	S SET FORTH IN ITEM 14 ARE	MADE IN THE		
	CONTRACT ORDER NO. IN ITEM 104						
	B. THE ABOVE NUMBERED CONTR. appropriation date, etc.) SET FORTH If				as changes in p	paying office,	
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:			
	d. OTHER (Specify type of modification						
X	Limitation of Funds Clause (FAR 52	232-22), Service Contract Act of	1965 as Amendo	ed, (FAR 52.222-41), Key Perso	onnel (NFS 18	352.235-71	
	RTANT: Contractor X is no				copies to the i	issuing office	
14. desc	ription of amendment/modification (Org	ganized by UCF section headings, inc	duding solicitatio	n/contract subject matter where fe	easible.)		
The p	The purpose of this modification is to obligate funds on the contract						
•	•	_					
15A. NA	ME AND TITLE OF SIGNER (Type or )	orint)	l l	AND TITLE OF CONTRACTING pentier, Contracting Office		pe or print)	
15B. CC	ONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	<del>                                     </del>	D STATES OF AMERICA		C. DATE SIGN	NED
CONTRA	ACTOR/OFFEROR		BV				

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

(Signature of person authorized to sign)

30-105

(Signature of Contracting Officer)

STANDARD FORM 30 (Rev. 10-83)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$229,177,129.64. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **May 3, 2006.** 
  - (b) An additional amount of \$9,129,756.93 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 42	Obligation This Modification 44	Revised Cumulative Obligation
Total Cost	\$226,448,448.84	\$2,728,680.80	\$229,177,129.64
Fee	\$9,060,594.24	<u>\$69,162.69</u>	<u>\$9,129,756.93</u>
Total	\$235,509,043.08	\$2,797,843.49	\$238,306,886.57

# 3. Obligations and De-obligations

Obligations:	
4200153106	\$1,547,016.19
4200153062	\$1,250,827.30

Net Change		
Obligations		\$2,797,843.49
Deobligations		\$0.00
	TOTAL	\$2,797,843.49

				OME	APPRO	VAL #: 2700-00	42
		F SOLICITATION/		1. CONTRACT ID CODE		PAGE OF PAGES	
	MODIFICATION OF CON			<u> </u>		_   1   2	
2. AME	NDMENT/MODIFICATION NO. 45	3. EFFECTIVE DATE See Block 16c		ION/PURCHASE REQ. NO. 4099&4200153973	5. PROJE	CT NO. (If applicable)	
6. ISSU	JED BY CODE	BH4/JEG	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
NAS	A/Johnson Space Cente	er	<b></b> •				
	BH4/Michael D. Ballard						
	I NASA Parkway						
	ston, TX 77058						
	ME AND ADDRESS OF CONTRACTOR (A	lo., street, county, State, and Zip Co	ode)		<del></del>		
<b>^</b>	utuus Taalanalaan laa						
	drup Technology, Inc.	.tuanta Mananau					
	Mr. Paul Spickard, Cor						
	Box 58447, Mail Stop J	E-IVVA					
Hou	ston, TX 77258-8447						
CODE	348M3		FACILITY CC				
()	9A. AMENDMENT OF SOLICITATION N	NO.	9B. DATED	(SEE ITEM 11)			
×	10A. MODIFICATION OF CONTRACT/ON NNJ05HI05C	DRDER NO.	10B. DATED	(SEE ITEM 13)  December	17, 2004	ŀ	
	11. TH	IS ITEM ONLY APPLIES TO	O AMENDME	NTS OF SOLICITATION	S		
	he above numbered solicitation is amende				is extended		1.
Offers	must acknowledge receipt of this amendme	ent prior to the hour and date specifi	led in the solicitat	tion or as amended, by one of the	e following m	ethods:	
(a) By (	completing Items 8 and 15, and returning	copies of the amendment; (b)	) By acknowledgi	ng receipt of this amendment on	each copy of	the offor	
	ed; or (c) By separate letter or telegram wh CEIVED AT THE PLACE DESIGNATED F						
	OFFER. If by virtue of this amendment you						
	r makes reference to the solicitation and th					<u> </u>	
	COUNTING AND APPROPRIATION DAT	•					
1	Net obligation: \$11,180,302.	.36					
	13. THIS ITEM APPLIES ONLY TO MOD	HEICATIONS OF CONTRACTS/OF	RDERS,IT MODIF	TIES THE CONTRACT/ORDER N	NO. AS DES	CRIBED IN ITEM 14.	
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority	) THE CHANGES	S SET FORTH IN ITEM 14 ARE	MADE IN TH	E	
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH IN				as changes ir	n paying office,	
	C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT	TO AUTHORIT	OF:			
	d. OTHER (Specify type of modification	and authority)		***		****	
X	Limitation of Funds Clause (FA						
E. IMF	PORTANT: Contractor X is not	, is required to sign th	nis document and	return	copies to the	e issuing office	
14. <b>d</b> e	scription of amendment/modification (Orga	nized by UCF section headings, inc	cluding solicitation	contract subject matter where fe	easible.)		
The	purpose of this modifica	tion is to obligate fur	nds on the	contract.			
15A. N	NAME AND TITLE OF SIGNER (Type or pr	int)	1	AND TITLE OF CONTRACTING	•	ype or print)	
			J. R. Carp	entier, Contracting Office	er		
	CONTRACTOR/OFFEROR15B. RACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITE	STATES OF AMERICA		16C. DATE SIGNED	
OONI	I DIO POLITICITY		BY				

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$240,081,054.93. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **May 24, 2006.** 
  - (b) An additional amount of \$9,406,134.00 is obligated under this contract for payment of fee.

(End of clause)

### 2. Funding recapitulation:

	Obligations Thru Modification 44	Obligation This Modification 45	Revised Cumulative Obligation
Total Cost	\$229,177,129.64	\$10,903,925.29	\$240,081,054.93
Fee	\$9,129,756.93	<u>\$276,377.07</u>	<u>\$9,406,134.00</u>
Total	\$238,306,886.57	\$11,180,302.36	\$249,487,188.93

# 3. Obligations and De-obligations

Obligations:	
4200153973	\$5,143,570.49
4200154099	\$6,036,731.87

Net Change		
Obligations		\$11,180,302.36
Deobligations		\$0.00
	TOTAL	\$11,180,302.36

			OMI	B APPRO	VAL #: 2700-0042
AMENDMENT OF SO MODIFICATION OF CONTRA		)F	1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 3. EI	FECTIVE DATE See Block 16c		ion/purchase req. no. 8494 & 4200148646	5. PROJEC	CT NO. (If applicable)
6. ISSUED BY CODE	BH2/JGC	7. ADMINIST	ERED BY (If other than Item 6)	CODE	
NASA/Johnson Space Center		_		·	
Attn: BH2/Jennifer Ariens					
2101 NASA Parkway					
Houston, TX 77058			166		· · · · · · · · · · · · · · · · · · ·
8. NAME AND ADDRESS OF CONTRACTOR (No., st	reet, county, State, and Zip Co	oae)			
Sverdrup Technology, Inc.					
Attn: Mr. Paul Spickard, Contra	_				
P.O. Box 58447, Mail Stop JE-N	WA				
Houston, TX 77258-8447		T EACH ITY OC	אחר		
CODE 348M3  () 9A. AMENDMENT OF SOLICITATION NO.		9B. DATED	(SEE ITEM 11)		
10A. MODIFICATION OF CONTRACT/ORDE X NNJ05HI05C	ER NO.	10B. DATED	(SEE ITEM 13) December	17, 2004	
11. THIS IT	EM ONLY APPLIES TO	O AMENDME	NTS OF SOLICITATION	IS	
The above numbered solicitation is amended as solffers must acknowledge receipt of this amendment pr				is extended,	is not extended.
Offers must acknowledge receipt of this amendment pr					
(a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram which in			ng receipt of this amendment on idment numbers. FAILURE OF		
BE RECEIVED AT THE PLACE DESIGNATED FOR T	HE RECEIPT OF OFFERS PF	RIOR TO THE H	OUR AND DATE SPECIFIED M	AY RESULT IN	REJECTION OF
YOUR OFFER. If by virtue of this amendment you des or letter makes reference to the solicitation and this am	-			n or letter, prov	/ided each telegram
12. ACCOUNTING AND APPROPRIATION DATA (# Net obligation: \$3,028,350.90	required)				• • •
13. THIS ITEM APPLIES ONLY TO MODIFICA	ATIONS OF CONTRACTS/OR	DERS,IT MODIF	IES THE CONTRACT/ORDER	NO. AS DESCI	RIBED IN ITEM 14.
A. THIS CHANGE ORDER IS ISSUED PURS	SUANT TO: (Specify authority)	THE CHANGES	S SET FORTH IN ITEM 14 ARE	MADE IN THE	
B. THE ABOVE NUMBERED CONTRACT/O	RDER IS MODIFIED TO REFL	ECT THE ADM	NISTRATIVE CHANGES (such	as changes in	paying office,
appropriation date, etc.) SET FORTH IN ITEM					· <del></del>
C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORITY	Y OF:		
d. OTHER (Specify type of modification and a Limitation of Funding Clause					
E. IMPORTANT: Contractor X is not,	is required to sign the	is document and	return	copies to the	issuing office
14. description of amendment/modification (Organized	by UCF section headings, incl	luding solicitation	/contract subject matter where fo	easible.)	·
	-	مال مالد	a a value a t		
The purpose of this modification	is to obligate fun	as on the	contract.		
15A. NAME AND TITLE OF SIGNER (Type or print)			AND TITLE OF CONTRACTING entier, Contracting Office		pe or print)
15B. CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	<u> </u>	STATES OF AMERICA		BC. DATE SIGNED
CONTRACTOR/OFFEROR		BY Orig	inal Signed by:		03/07/2006

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$212,947,887.95. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through March 31, 2006.
  - (b) An additional amount of \$8,718,401.37 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

_	Obligations Thru Modification 40	Obligation This Modification 41	Revised Cumulative Obligation
Total Cost	\$209,994,397.88	\$2,953,490.07	\$212,947,887.95
Fee	\$8,643,540.54	<u>\$74,860.83</u>	<u>\$8,718,401.37</u>
Total	\$218,637,938.42	\$3,028,350.90	\$221,666,289.32

# 3. Obligations and Deobligations

Obligations:	
PR	Amount
4200148494	\$954,402.00
4200148646	\$2,073,948.90
Total	\$3,028,350.90
Net Change:	
Obligations	\$3,028,350.90
Deobligations	0.00
Total	\$3,028,350.90

			OME	APPRO	VAL #: 2	2700-0042
AMENDMENT OF			1. CONTRACT ID CODE		PAGE O	F PAGES
MODIFICATION OF CONTE	EFFECTIVE DATE		TION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If an	l 3 plicable)
2. AMENDMENT/MODIFICATION NO. 3.	See Block 16c		16652 & 4200146764			
6. ISSUED BY CODE	BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Center				'		
Attn: BH2/Jennifer Ariens						
2101 NASA Parkway						
Houston, TX 77058						
8. NAME AND ADDRESS OF CONTRACTOR (No.,	street, county, State, and Zip (	Code)				
Sverdrup Technology, Inc.						
Attn: Mr. Paul Spickard, Contr	acts Manager					
P.O. Box 58447, Mail Stop JE-						
Houston, TX 77258-8447						
CODE 348M3		FACILITY C	····			
9A. AMENDMENT OF SOLICITATION NO.		9B. DATED	(SEE ITEM 11)			
10A. MODIFICATION OF CONTRACT/OR	DER NO.	10B. DATE	D (SEE ITEM 13)			
X NNJ05HI05C			December			····
11. THIS  The above numbered solicitation is amended a			ENTS OF SOLICITATION	S is extended.	is no	ot extended.
Offers must acknowledge receipt of this amendment					_	A GALEFIQUE.
(a) By completing Items 8 and 15, and returning	conies of the amendment: (	b) By acknowled	ging receipt of this amendment on	each copy of t	he offor	
submitted; or (c) By separate letter or telegram which	includes a reference to the sol	licitation and ame	endment numbers. FAILURE OF	YOUR ACKNO	WLEDGEM	ENT TO
BE RECEIVED AT THE PLACE DESIGNATED FOR YOUR OFFER. If by virtue of this amendment you d						
or letter makes reference to the solicitation and this a	mendment, and is received pri-	or to the opening	hour and date specified.			
Net obligation: \$14,043,880.	27					
13. THIS ITEM APPLIES ONLY TO MODIFI	CATIONS OF CONTRACTS/O	RDERS,IT MOD	IFIES THE CONTRACT/ORDER I	NO. AS DESC	RIBED IN IT	EM 14.
A. THIS CHANGE ORDER IS ISSUED PU	RSUANT TO: (Specify authorit	ty) THE CHANG	ES SET FORTH IN ITEM 14 ARE	MADE IN THE		
CONTRACT ORDER NO. IN ITEM 10A.	IODDED IO MODIFIED TO DE	ELECT THE ADI	AIRHOTE ATIME OF LANGES (auch	an abangan in	novina affica	
B. THE ABOVE NUMBERED CONTRACT appropriation date, etc.) SET FORTH IN ITE				as changes in	paying office	i.
C. THIS SUPPLEMENTAL AGREEMENT	S ENTERED INTO PURSUAN	IT TO AUTHORI	TY OF:			
d. OTHER (Specify type of modification an	d outbouiltu)			<del></del> -		
X Limitation of Funding Claus						
E. IMPORTANT: Contractor X is not,	is required to sign	this document ar	nd return	copies to the	issuing office	e
14. description of amendment/modification (Organiz	ed by UCF section headings, ir	ncluding solicitati	on/contract subject matter where for	easible.)		
			. 4			
The purpose of this modification	on is to obligate ar	nd deoblig	ate funds on the co	ntract.		
15A. NAME AND TITLE OF SIGNER (Type or print		l l	AND TITLE OF CONTRACTING		pe or print)	
			pentier, Contracting Office			
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	1	6C. DATE S	IGNED
		BY Or	iginal Signed by		02/23	3/2006

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$209,994,397.88. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through March 24, 2006.
  - (b) An additional amount of **\$8,643,540.54** is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 38	Obligation This Modification 40	Revised Cumulative Obligation
Total Cost	\$196,306,459.85	\$13,687,938.03	\$209,994,397.88
Fee	\$8,296,598.30	\$346,942.24	\$8,643,540.54
Total	\$204,603,058.15	\$14,034,880.27	\$218,637,938.42

# 3. Obligations and Deobligations:

Obligations:		Deobligations :	WBS Element	
4200146652	\$2,349,176.00	189/690	401769.06.03.07.01.01	\$45,000.00
4200146764	\$12,056,704.26	189/700	401769.06.03.07.04.06	\$27,000.00
		189/710	401769.06.04.02.02.07	\$10,000.00
		189/720	401769.06.04.02.02.04	\$16,999.99
		189/730	401769.06.04.02.02.03	\$9,000.00
		189/740	401769.06.04.02.02.12	\$8,000.00
		189/750	401769.06.04.03.02.07	\$11,000.00
		189/760	401769.06.04.05.02.01	\$44,000.00
		189/790	401769.06.04.02.02.08	\$53,000.00
		177/120	377816.06.02.05.03.13.02	\$135,000.00
		177/160	377816.06.02.05.03.22.02	\$12,000.00
TOTAL	\$14,405,880.26		TOTAL	\$370,999.99

Net Change		
Obligations		\$14,405,880.26
Deobligations		\$370,999.99
	TOTAL	\$14,034,880.27

				OME	APPROV	/AL#: 2	700-0042
		F SOLICITATION/	<b>0</b> 5	1. CONTRACT ID CODE		PAGE O	F PAGES
2. AMENDMENT/MODIFIC 38		3. EFFECTIVE DATE See Block 16c	4. REQUIS	 TION/PURCHASE REQ. NO. 14796 & 4200144998	5. PROJEC	T NO. (If ap)	3 olicable)
6. ISSUED BY	CODE	BH2/JGC	<del></del>	TERED BY (If other than Item 6)	CODE		
NASA/Johnson	Snace Cente				Ĺ		
Attn: BH2/Jenr	•	<b>,</b>					
2101 NASA Pa							
Houston, TX 7	•						
8. NAME AND ADDRESS	OF CONTRACTOR (	No., street, county, State, and Zip C	Code)	War a . a			<del></del>
Sverdrup Tech Attn: Mr. Paul P.O. Box 5844 Houston, TX 73	Spickard, Col 7, Mail Stop J	ntracts Manager E-IWA					
CODE 348M3	7200 0 1 17		FACILITY C	ODE			
	NT OF SOLICITATION	NO.	9B. DATED	(SEE ITEM 11)			
10A. MODIFICA X NNJ05	TION OF CONTRACT/	ORDER NO.	10B. DATE	D (SEE ITEM 13)  December	17, 2004	<u> </u>	7-
BE RECEIVED AT THE F YOUR OFFER. If by virtu or letter makes reference 12. ACCOUNTING AND	ate letter or telegram w PLACE DESIGNATED I I of this amendment yo to the solicitation and the APPROPRIATION DA	hich includes a reference to the sol FOR THE RECEIPT OF OFFERS Foundesire to change an offer already his amendment, and is received prices.  (If required)	icitation and ame PRIOR TO THE submitted, such	HOUR AND DATE SPECIFIED MA change may be made by telegran	YOUR ACKNO AY RESULT IN	WLEDGEMI REJECTIO	N OF
	1: \$3,623,430 PPLIES ONLY TO MO	DIFICATIONS OF CONTRACTS/O	RDERS,IT MOD	IFIES THE CONTRACT/ORDER I	NO. AS DESCR	RIBED IN ITI	EM 14.
	GE ORDER IS ISSUED IDER NO. IN ITEM 10A	PURSUANT TO: (Specify authorit	y) THE CHANG	ES SET FORTH IN ITEM 14 ARE	MADE IN THE		· · ·
		ACT/ORDER IS MODIFIED TO REF I ITEM 14, PURSUANT TO THE A			as changes in p	paying office	
C. THIS SUPPL	EMENTAL AGREEME	NT IS ENTERED INTO PURSUAN	T TO AUTHORI	TY OF:			
	ecity type of modification of Funding Cla	and authority) USE (FAR 52.232-22)					
E. IMPORTANT: Contra	actor X is no	t, is required to sign t	this document ar	nd return	copies to the i	ssuing office	e
		anized by UCF section headings, in					
The purpose o	f this modifica	ation is to obligate ar	nd deoblig	ate funds on the co	ntract.		
15A. NAME AND TITLE	OF SIGNER (Type or p	print)	i	E AND TITLE OF CONTRACTING pentier, Contracting Office		oe or print)	
15B. CONTRACTOR/OF		15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	16	C. DATE S	IGNED
CONTRACTOR/OFFER	Z11		BY Ori	ginal Signed by:		2/10/	/2006

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$196,306,459.85. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through February 28, 2006.
  - (b) An additional amount of **\$8,296,598.30** is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 37	Obligation This Modification 38	Revised Cumulative Obligation
Total Cost	\$192,772,601.02	\$3,533,858.83	\$196,306,459.85
Fee	\$8,207,027.11	<u>\$89,571.19</u>	<u>\$8,296,598.30</u>
Total	\$200,979,628.13	\$3,623,430.02	\$204,603,058.15

# 3. Obligations and Deobligations:

Obligations:		Deobligations:	WBS Element	
4200144796	\$3,563,452.00	174/90	401769.06.01.02.05	\$105,000.00
4200144998	\$324,574.00	185/620	931164.05.02	106,999.99
		185/170	843515.01.15.05	\$52,595.99
TOTAL	\$3,888,026.00		TOTAL	\$264,595.98

Net Change		
Obligations		\$3,888,026.00
Deobligations		\$264,595.98
	TOTAL	\$3,623,430.02

	•	=	OMI	3 APPRO	VAL #: 27	00-0042	
AMENDMENT OF SO MODIFICATION OF CONTRA		)F	1. CONTRACT ID CODE		PAGE OF	PAGES 3	
2. /	FECTIVE DATE See Block 16c		TION/PURCHASE REQ. NO. 13911& 4200143809	5. PROJEC	CT NO. (If appli	cable)	
6. ISSUED BY CODE	BH2/JGC	7. ADMINISTERED BY (If other than Item 6) CODE		CODE			
NASA/Johnson Space Center		_1			L - ,		
Attn: BH2/Jennifer Ariens							
2101 NASA Parkway							
Houston, TX 77058		.,					
8. NAME AND ADDRESS OF CONTRACTOR (No., st	reet, county, State, and Zip Co	ode)					
Sverdrup Technology, Inc.							
Attn: Mr. Paul Spickard, Contra	cts Manager						
P.O. Box 58447, Mail Stop JE-I\							
Houston, TX 77258-8447					_		
CODE 348M3		FACILITY C	· · · · · · · · · · · · · · · · · · ·				
9A. AMENDMENT OF SOLICITATION NO.		9B. DATED	(SEE ITEM 11)				
10A. MODIFICATION OF CONTRACT/ORDE	R NO.	10B. DATE	O (SEE ITEM 13)				
X NNJ05HI05C			December	17, 2004			
			ENTS OF SOLICITATION	S is extended.	☐ :a aast a		
The above numbered solicitation is amended as so Offers must acknowledge receipt of this amendment pri				· · · · · · · · · · · · · · · · · ·	_	extended.	
(a) By completing Items 8 and 15, and returning	copies of the amendment: /h	) By acknowledg	ing receipt of this amendment on	each conviot i	the offor		
submitted; or (c) By separate letter or telegram which in	cludes a reference to the solid	citation and ame	ndment numbers. FAILURE OF	YOUR ACKNO	WLEDGEMEN		
BE RECEIVED AT THE PLACE DESIGNATED FOR TO YOUR OFFER. If by virtue of this amendment you design.							
or letter makes reference to the solicitation and this amount	endment, and is received prio					<u> </u>	
12. ACCOUNTING AND APPROPRIATION DATA (If Net obligation: \$14,479,610.12	equired)						
13. THIS ITEM APPLIES ONLY TO MODIFICA	TIONS OF CONTRACTS/OF	RDERS,IT MODI	FIES THE CONTRACT/ORDER	NO. AS DESC	RIBED IN ITEM	<b>∄ 14</b> .	
A. THIS CHANGE ORDER IS ISSUED PURS CONTRACT ORDER NO. IN ITEM 10A.	UANT TO: (Specify authority	) THE CHANGE	S SET FORTH IN ITEM 14 ARE	MADE IN THE			
B. THE ABOVE NUMBERED CONTRACT/OR appropriation date, etc.) SET FORTH IN ITEM				as changes in	paying office,		
C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:		<u></u>		
d. OTHER (Specify type of modification and a Limitation of Funding Clause							
E. IMPORTANT: Contractor X is not,	is required to sign th	nis document an	d return	copies to the	issuing office		
14. description of amendment/modification (Organized	by UCF section headings, inc	cluding solicitation	n/contract subject matter where f	easible.)		-	
The purpose of this modification	i is to obligate an	a aeobiig	ate funds on the co	ntract.			
15A. NAME AND TITLE OF SIGNER (Type or print)			AND TITLE OF CONTRACTING	, -	rpe or print)		
15B CONTRACTOR/OFFERORIES	15C. DATE SIGNED		exander, Contracting Officers		6C. DATE SIGI	NED	
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	100. DATE SIGNED						
	1	BY Orig	ginal Signed by		1/30/20	006	

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$192,772,601.02. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **February 22, 2006.** 
  - (b) An additional amount of **\$8,207,027.11** is obligated under this contract for payment of fee.

(End of clause)

2. Funding recapitulation:

. runun	Obligations Thru Modification 36	Obligation This Modification 37	Revised Cumulative Obligation
Total Cost	\$178,650,926.86	\$14,121,674.16	\$192,772,601.02
Fee	<u>\$7,849,091.15</u>	<u>\$357,935.96</u>	\$8,207,027.11
Total	\$186,500,018.01	\$14,479,610.12	\$200,979,628.13

# 3. Obligations and Deobligations:

Obligations:		Deobligations:		
4200143911	\$6,736,200.11	131/790	72-617-42-22-AA	\$111,000.00
4200143809	\$8,139,410.00	159/20	72-617-42-22-AA	109,000.00
		159/70	72-336-36-01-AG	\$11,000.00
		156/100	72-614-40-05-A1	\$20,000.00
		177/50		\$134,999.99
		125/720	72-337-43-05-N2	\$10,000.00
TOTAL	\$14,875,610.11		TOTAL	\$395,999.99
		Net Change		
		Obligations		\$14,875,610.11
		Deobligations		\$395,999.99
			TOTAL	\$14,479,610.12

			OME	3 APPROV	AL #: 270	00-0042	
AMENDMENT O MODIFICATION OF CON	F SOLICITATION/	OF	1. CONTRACT ID CODE	<u> </u>	PAGE OF F	PAGES	
2. AMENDMENT/MODIFICATION NO. 36	3. EFFECTIVE DATE See Block 16c	4. REQUISIT 420014	5. PROJECT	Γ NO. (If applic			
6. ISSUED BY CODE	BH2/JGC	·	ERED BY (If other than Item 6)	CODE			
NASA/Johnson Space Cente				L			
Attn: BH2/Jennifer Ariens							
2101 NASA Parkway							
Houston, TX 77058							
8. NAME AND ADDRESS OF CONTRACTOR (	No., street, county, State, and Zip C	ode)					
Sverdrup Technology, Inc.							
Attn: Mr. Paul Spickard, Co.	ntracts Manager						
P.O. Box 58447							
Houston, TX 77258-8447							
CODE 348M3		FACILITY CO	DE				
() 9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (	SEE ITEM 11)		•		
10A. MODIFICATION OF CONTRACT/	ORDER NO.	10B. DATED	(SEE ITEM 13)	17 2004		<del></del>	
X NNJ05HI05C December 17, 2004  11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
The above numbered solicitation is amende				ত is extended,	is not e	xtended.	
Offers must acknowledge receipt of this amendm				e following meth			
(a) By completing Items 8 and 15, and returning	copies of the amendment; (b	) By acknowledgii	ng receipt of this amendment on	each copy of th	e offor		
submitted; or (c) By separate letter or telegram w BE RECEIVED AT THE PLACE DESIGNATED F							
YOUR OFFER. If by virtue of this amendment yo							
or letter makes reference to the solicitation and t		r to the opening h	our and date specified.			_	
Net obligation: \$10,548,70	9.50		<del>-</del>			<del></del> -	
13. THIS ITEM APPLIES ONLY TO MOD	DIFICATIONS OF CONTRACTS/OF	RDERS,IT MODIF	IES THE CONTRACT/ORDER N	NO. AS DESCR	IBED IN ITEM	14.	
A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10A		) THE CHANGES	SET FORTH IN ITEM 14 ARE I	MADE IN THE			
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH IN				as changes in p	aying office,		
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED INTO PURSUANT	TO AUTHORITY	OF:				
d. OTHER (Specify type of modification X Limitation of Funding Cla						<del></del>	
E. IMPORTANT: Contractor X is no	t, is required to sign th	nis document and	return	copies to the is	ssuing office		
14. description of amendment/modification (Organical Control of Co	anized by UCF section headings, inc	cluding solicitation	/contract subject matter where fe	asible.)			
The purpose of this modification is to obligate funds on the contract.							
15A. NAME AND TITLE OF SIGNER (Type or p	rint)	16A. NAME A	AND TITLE OF CONTRACTING	OFFICER (Type	e or print)		
•		J. R. Carpe	entier, Contracting Office	r	•		
15B. CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITED	STATES OF AMERICA	160	C. DATE SIGN	ED	
CONTRACTOR/OFFEROR		BY Origi	nal Signed by		01/26/20	006	

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$178,650,926.86. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through January 26, 2006.
  - (b) An additional amount of \$7,849,091.15 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 34	Obligation This Modification 36	Revised Cumulative Obligation
Total Cost	\$168,362,981.46	\$10,287,945.40	\$178,650,926.86
Fee	<u>\$7,588,327.05</u>	<u>\$260,764.10</u>	<u>\$7,849,091.15</u>
Total	\$175,951,308.51	\$10,548,709.50	\$186,500,018.01

# 3. Obligations:

Obligations:	
PR	Amount
4200143095	\$7,856,215.50
4200143539	\$2,692,494.00
TOTAL	\$10,548,709.50

				OME	APPRO	VAL #: 2	2700-0042
		OF SOLICITATION/		1. CONTRACT ID CODE		PAGE C	F PAGES
		NTRACT AMENDMENT		TIONED DOLLAGE BEG. NO.	Tr. BDQ IF	1 1	1 2
2. AMEN	NDMENT/MODIFICATION NO.  34	3. EFFECTIVE DATE See Block 16c	4. REQUIS	ITION/PURCHASE REQ. NO. 4200139378	5. PHOJEC	CT NO. (If ap	plicable)
6. ISSUI	ED BY CODE	BH2/JGC	7. ADMINIS	STERED BY (If other than Item 6)	CODE		
NAS	A/Johnson Space Cent	ter					
	BH2/Jennifer Ariens						
2101	NASA Parkway						
Hous	ston, TX 77058						
8. NAMI	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	Code)				
Sver	drup Technology, Inc.						
	Mr. Paul Spickard, Co	ontracts Manager					
	Box 58447	madia managa,					
	ston, TX 77258-8447	~					
CODE	348M3		FACILITY (	CODE			
0	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATE	) (SEE ITEM 11)	· · · · · · ·		
	10A. MODIFICATION OF CONTRACT	T/ORDER NO.	10B. DATE	ED (SEE ITEM 13)			
X	NNJ05HI05C			December 1	17, 2004		
	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 m	iust acknowledge receipt of this amendi	ment prior to the hour and date speci	ified in the solici	tation or as amended, by one of the	following me	thods:	
submitte BE REC YOUR C	ompleting Items 8 and 15, and returning ed; or (c) By separate letter or telegram of EIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment ymakes reference to the solicitation and	which includes a reference to the soli FOR THE RECEIPT OF OFFERS F you desire to change an offer already	icitation and am PRIOR TO THE submitted, suc	HOUR AND DATE SPECIFIED MA n change may be made by telegran	OUR ACKNO	OWLEDGEM N REJECTIO	N OF
12. ACC	COUNTING AND APPROPRIATION DA	ATA (If required)	or to the opening	g from and date specified.		<del> </del>	
	let obligation:\$957,000.0		RDERS,IT MOD	DIFIES THE CONTRACT/ORDER N	NO. AS DESC	RIBED IN IT	EM 14.
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10.		y) THE CHANG	ES SET FORTH IN ITEM 14 ARE I	MADE IN THE	<u> </u>	
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I				as changes in	paying office	1,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUAN	T TO AUTHOR	TY OF:			
$\overline{\mathbf{x}}$	d. OTHER (Specify type of modification Limitation of Funding Cla						<del></del> -
	ORTANT: Contractor X is n		this document a	nd return	copies to the	issuing office	<del></del>
14 des	cription of amendment/modification (On			<del>-</del>	asible.)		
400		<b>3</b>			,		
The purpose of this modification is to obligate funds on the contract.							
15A. N	AME AND TITLE OF SIGNER (Type or	print)	16A. NAM	E AND TITLE OF CONTRACTING	OFFICER (T)	pe or print)	
			Robert K	Colb, Contracting Officer			
	ONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	1	6C. DATE SI	IGNED
BY							

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$168,362,981.46. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through January 8, 2006.
  - (b) An additional amount of \$7,588,327.05 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations Thru Modification 33	Obligation This Modification 34	Revised Cumulative Obligation
Total Cost	\$167,429,638.50	\$933,342.96	\$168,362,981.46
Fee	<u>\$7,564,670.01</u>	<u>\$23,657.04</u>	<u>\$7,588,327.05</u>
Total	\$174,994,308.51	\$957,000.00	\$175,951,308.51

# 3. Obligations:

<b>Obligations:</b>	
PR	Amount
4200139378	\$957,000.00
Total	\$957,000.00
Net Change:	
Obligations	\$957,000.00
Deobligations	0.00
Total	\$957,000.00

			OME	APPRO	VAL #: 27	00-0042	
	OF SOLICITATION/ INTRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF	PAGES 2	
2. AMENDMENT/MODIFICATION NO. 33	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	110N/PURCHASE REQ. NO. 4200139899	5. PROJEC	CT NO. (If appli	cable)	
6. ISSUED BY CODE	BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE			
NASA/Johnson Space Cen	ter	_					
Attn: BH2/Jennifer Ariens							
2101 NASA Parkway							
Houston, TX 77058							
8. NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)					
Sverdrup Technology, Inc.							
Attn: Mr. Paul Spickard, Co	ontracts Manager						
P.O. Box 58447	on a diameter						
Houston, TX 77258-8447							
CODE 348M3		FACILITY CO	DDE				
() 9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DATED	(SEE ITEM 11)				
10A. MODIFICATION OF CONTRAC	T/ORDER NO.	10B. DATE	O (SEE ITEM 13)	47.0004			
X NNJ05HI05C			December			·	
	THIS ITEM ONLY APPLIES TO				<u> </u>		
The above numbered solicitation is amen Offers must acknowledge receipt of this amend				is extended, following met		extended.	
<ul><li>(a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram</li></ul>			ing receipt of this amendment on ndment numbers. FAILURE OF \			IT TO	
BE RECEIVED AT THE PLACE DESIGNATED							
YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and	-			or letter, prov	vided each tele(	gram 	
12. ACCOUNTING AND APPROPRIATION D Net obligation: \$1,070,68	ATA (If required)				·		
13. THIS ITEM APPLIES ONLY TO M		RDERS,IT MODI	FIES THE CONTRACT/ORDER N	NO. AS DESC	RIBED IN ITEM	1 14.	
A. THIS CHANGE ORDER IS ISSUE		) THE CHANGE	S SET FORTH IN ITEM 14 ARE I	MADE IN THE	:		
B. THE ABOVE NUMBERED CONTI		LECT THE ADM	IINISTRATIVE CHANGES (such a	as changes in	paving office.		
appropriation date, etc.) SET FORTH	IN ITEM 14, PURSUANT TO THE AU	JTHORITY OF F	AR 43.103(b).				
C. THIS SUPPLEMENTAL AGREEN	IENT IS ENTERED INTO PURSUANT	T TO AUTHORIT	Y OF:				
d. OTHER (Specify type of modification of Funding C							
Fz 1	not, is required to sign the	his document and	d return	copies to the	issuing office		
14. description of amendment/modification (O	rganized by UCF section headings, inc	cluding solicitatio	n/contract subject matter where fe	easible.)	·	<del></del>	
The purpose of this modification is to obligate funds on the contract.							
15A. NAME AND TITLE OF SIGNER (Type of	r print)	I	AND TITLE OF CONTRACTING	OFFICER (Ty	rpe or print)		
AFR. CONTRACTOR/OFFERSON	AFO. DATE CIONES		olb, Contracting Officer	T 4.	eo Date dio	NED.	
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	IOD, UNITE	D STATES OF AMERICA	"	6C. DATE SIGI	ACD	

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE

(Signature of person authorized to sign)

Original Signed By:

(Signature of Contracting Officer)

December 20, 2005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$167,429,638.50. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through January 6, 2006
  - (b) An additional amount of \$7,564,670.01 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 32	Obligation This Modification 33	Revised Cumulative Obligation
Total Cost	\$166,385,422.70	\$1,044,215.80	\$167,429,638.50
Fee	\$7,538,202.72	<u>\$26,467.29</u>	<u>\$7,564,670.01</u>
Total	\$173,923,625.42	\$1,070,683.09	\$174,994,308.51

#### 3. Obligations:

Obligations:	
PR	Amount
4200139899	\$1,070,683.09
Total	\$1,070,683.09
Net Change:	
Obligations	\$1,070,683.09
Deobligations	0.00
Total	\$1,070,683.09

			OME	3 APPROV	/AL #: 270	00-0042
	OF SOLICITATION/ ONTRACT AMENDMENT	05	1. CONTRACT ID CODE	•	PAGE OF F	
2. AMENDMENT/MODIFICATION NO. 32	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	   ON/PURCHASE REQ. NO.   9692 & 4200139685	5. PROJEC	T NO. (If applic	3 able)
6. ISSUED BY CODE	<u> </u>	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Ce	<del></del>			L	<u></u>	7017
Attn: BH2/Jennifer Ariens						
2101 NASA Parkway						
Houston, TX 77058						
8. NAME AND ADDRESS OF CONTRACTO	PR (No., street, county, State, and Zip	Code)				
Sverdrup Technology, Inc.						
Attn: Mr. Paul Spickard, C						
P.O. Box 58447	<b></b>					
Houston, TX 77258-8447						
CODE 348M3		FACILITY CO	DDE			
() 9A. AMENDMENT OF SOLICITATION	ON NO.	9B. DATED	(SEE ITEM 11)			_
10A. MODIFICATION OF CONTRA		10B. DATED	(SEE ITEM 13)		·	
X NNJ05HI05C			December	17, 2004		
<del></del>	THIS ITEM ONLY APPLIES			S		,
The above numbered solicitation is ame Offers must acknowledge receipt of this amer				is extended, a following meth	is not ex	dended.
<ul><li>(a) By completing Items 8 and 15, and returni submitted; or (c) By separate letter or telegrar</li></ul>			ng receipt of this amendment on ndment numbers. FAILURE OF \			T TO
BE RECEIVED AT THE PLACE DESIGNATE	ED FOR THE RECEIPT OF OFFERS	PRIOR TO THE H	OUR AND DATE SPECIFIED MA	AY RESULT IN	REJECTION C	F
YOUR OFFER. If by virtue of this amendmer or letter makes reference to the solicitation ar				n or letter, provi	ded each teleg	ram
12. ACCOUNTING AND APPROPRIATION	DATA (If required)				-	
Net obligation: \$2,218,69		ORDERS,IT MODIF	TES THE CONTRACT/ORDER N	NO. AS DESCF	RIBED IN ITEM	14.
A THIS CHANGE OPDED IS ISSUE	IED PURSUANT TO: (Specify authori	THE CHANGE	S SET FORTUIN ITEM 44 ADE I	MADE IN THE		
CONTRACT ORDER NO. IN ITEM		III) THE CHANGE	5 SET FORTH IN TIEW 14 ARE I	WADE IN THE		
	TRACT/ORDER IS MODIFIED TO RE H IN ITEM 14, PURSUANT TO THE A			as changes in p	aying office,	
C. THIS SUPPLEMENTAL AGREE	MENT IS ENTERED INTO PURSUAN	T TO AUTHORIT	(OF:			
d. OTHER (Specify type of modifica						·
X Limitation of Funding C	Clause (FAR 52.232-22)	<del></del>				
E. IMPORTANT: Contractor	s not, is required to sign	this document and	return	copies to the is	ssuing office	
14. description of amendment/modification (	Organized by UCF section headings, in	ncluding solicitation	/contract subject matter where fe	asible.)		
The purpose of this modifi	ication is to obligate a	nd dooblins	ate funds on the cor	otract		
The purpose of this modifi	cation is to obligate al	ia acobilge	ite fullus off the col	macı.		
		<u> </u>				
15A. NAME AND TITLE OF SIGNER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)						
15D CONTRACTORIOTECOCASO	AFO DATE CIONES		lb, Contracting Officer	1 77-	0 B	
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED		STATES OF AMERICA	160	C. DATE SIGNI	ED
		BY Orig	inal Signed by:	1	12/19/0	)5

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$166,385,422.70. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 27, 2004 through **December 30, 2005**.
  - (b) An additional amount of \$7,538,202.72 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations Thru  Obligation Th  Modification 31  Modification 3		Revised Cumulative Obligation
Total Cost	\$164,221,576.52	\$2,163,846.18	\$166,385,422.70
Fee	<u>\$7,483,356.65</u>	<u>\$54,846.07</u>	<u>\$7,538,202.72</u>
Total	\$171,704,933.17	\$2,218,692.25	\$173,923,625.42

# 3. Obligations/Deobligations

Obligations:		Deobligations:		
PR	Amount	PLI/ALI	WBS	Amount
4200139692	\$2,165,469.25	178/170	378343.10.01.02.06	\$320,000.00
4200139685	\$379,223.00	175/100	72-376-75-30-CR	\$6,000.00
Total:	\$2,544,692.25		Total:	\$326,000.00
		Net Change:		
		Obligations		\$2,544,692.25
		Deobligations		\$326,000.00
			Total:	\$2,218,692.25

	<u></u>			OME	APPRO	VAL #: 2	2700-0042	
		OF SOLICITATION/		1. CONTRACT ID CODE		- 1	PAGES	
		NTRACT AMENDMENT			T = ====	1 1	3	
2. AME	NDMENT/MODIFICATION NO.  31	3. EFFECTIVE DATE See Block 16c		ition/purchase req. no. 39378 & 4200139385	5. PROJEC	CT NO. (If ap	plicable)	
6. ISSU	ED BY CODE	BH2/JGC	7. ADMINIS	STERED BY (If other than Item 6)	CODE			
NAS	A/Johnson Space Cent	ter	<del></del>					
	BH2/Jennifer Ariens							
2101	NASA Parkway							
Hous	ston, TX 77058							
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	Code)					
Svor	drup Technology, Inc.			•				
	Mr. Paul Spickard, Co	ontracts Manager						
	Box 58447	Thradia Managor						
	ston, TX 77258-8447							
CODE	348M3		FACILITY (	CODE	<del></del>			
0	9A. AMENDMENT OF SOLICITATION	N NO.	9B. DATE	(SEE ITEM 11)				
х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	T/ORDER NO.	10B. DATE	December:	17. 2004			
		HIS ITEM ONLY APPLIES T	O AMENDA					
Пт	ne above numbered solicitation is amend				is extended,	is no	ot extended.	
	nust acknowledge receipt of this amend				e following me	thods:		
(a) By c	ompleting Items 8 and 15, and returning	copies of the amendment; (	b) By acknowled	ging receipt of this amendment on	each copy of	the offor		
submitt	ed; or (c) By separate letter or telegram	which includes a reference to the sol	icitation and am	endment numbers. FAILURE OF	YOUR ACKNO	OWLEDGEM	ENT TO	
	DEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment :							
	makes reference to the solicitation and				ir or ictici, pro	· · · · · · · · · · · · · · · · · · ·	siegranii	
12. AC	COUNTING AND APPROPRIATION DA	ATA (If required)						
	13. THIS ITEM APPLIES ONLY TO MO		RDERS,IT MOD	DIFIES THE CONTRACT/ORDER I	NO. AS DESC	RIBED IN IT	EM 14.	
	A. THIS CHANGE ORDER IS ISSUE	D PURSUANT TO: (Specify authorit	ty) THE CHANG	ES SET FORTH IN ITEM 14 ARE	MADE IN THE			
	CONTRACT ORDER NO. IN ITEM 10	Α.						
	B. THE ABOVE NUMBERED CONTF appropriation date, etc.) SET FORTH				as changes in	paying office	<b>;</b> ,	
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUAN	T TO AUTHOR	TY OF:				
	d. OTHER (Specify type of modification							
_X	Limitation of Funding Cl	ause (FAR 52.232-22)		· · · · · · · · · · · · · · · · · · ·				
E. IMP	ORTANT: Contractor X is r	not, is required to sign	this document a	nd return	copies to the	issuing offic	e	
14. de	scription of amendment/modification (Or	ganized by UCF section headings, in	ncluding solicitat	ion/contract subject matter where fe	easible.)			
The purpose of this modification is to obligate and deobligate funds on the contract.								
ine	purpose of this modifie	ation is to obligate ar	na aeobiig	jate funds on the co	ntract.			
454	15A. NAME AND TITLE OF SIGNER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)							
15A. N	IAME AND TITLE OF SIGNER (Type or	pint)		Colb, Contracting Officer	OFFICER (7)	ype or print)		
15B 0	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED		ED STATES OF AMERICA	1 1	6C. DATE S	GNED	
	RACTOR/OFFEROR			iginal Signed by:			15/05	

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$164,221,576.52. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **December 27, 2005**.
  - (b) An additional amount of \$7,483,356.65 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 29	Obligation This Modification 31	Revised Cumulative Obligation
Total Cost	\$157,377,948.08	\$6,843,628.44	\$164,221,576.52
Fee	\$7,309,894.16	<u>\$173,462.49</u>	<u>\$7,483,356.65</u>
Total	\$164,687,842.24	\$7,017,090.93	\$171,704,933.17

# 3. Obligations/Deobligations

Obligations:			Deobligations:	- 5.4	
PR	Amount	Org	PLI/ALI	WBS	Amount
4200139378	\$3,120,264.00		175/100	72-376-75-30-CR	\$528.19
4200139385	\$5,930,798.52		163/130	72-700-23-AD	109,996.28
			163/310	72-959-70-AA	\$51,626.12
			174/10		\$700,521.00
			174/20		\$650,736.00
		-	174/40		\$400,564.00
			175/510		\$120,000.00
тот	AL \$9,051,062.52			TOTAL	\$2,033,971.59
			Net Change		
	•		Obligations		\$9,051,062.52
			Deobligations		\$2,033,971.59
				TOTAL	\$7,017,090.93

				OME	APPRO	VAL #: 27	00-0042	
	AMENDMENT O MODIFICATION OF COM	OF SOLICITATION/ NTRACT AMENDMENT (	OF .	CONTRACT ID CODE		PAGE OF	PAGES 2	
2. AME	NDMENT/MODIFICATION NO. 29	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	10N/PURCHASE REQ. NO. 4200136755	5. PROJEC	CT NO. (If appli		
6. ISSUED BY CODE BH2/JGC 7. ADMINISTERED BY (If other than Item 6) CODE								
	A/Johnson Space Cent	er					<del></del>	
	BH2/Jennifer Ariens							
	NASA Parkway							
	ston, TX 77058		····	·				
8. NAM	IE AND ADDRESS OF CONTRACTOR (	No., street, county, State, and Zip Ci	ode)					
	drup Technology, Inc.							
	Mr. Paul Spickard, Co	ntracts Manager						
	Box 58447							
CODE	ston, TX 77258-8447		FACILITY CO	)ne		<del></del>		
()	9A. AMENDMENT OF SOLICITATION	NO.	<del></del>	(SEE ITEM 11)	·			
	·	· · · · · · · · · · · · · · · · · · ·						
x	10A. MODIFICATION OF CONTRACTA NNJ05HI05C	ORDER NO.	10B. DATED	) <i>(SEE ITEM 13)</i> December 1	17 2004			
		HIS ITEM ONLY APPLIES TO	_LO AMENDME					
	ne above numbered solicitation is amende				is extended,		extended.	
	nust acknowledge receipt of this amendm	<b></b>						
	ompleting Items 8 and 15, and returning ed; or (c) By separate letter or telegram w			ing receipt of this amendment on a ndment numbers. FAILURE OF Y			IT TO	
BE REC	CEIVED AT THE PLACE DESIGNATED I	FOR THE RECEIPT OF OFFERS PI	RIOR TO THE H	OUR AND DATE SPECIFIED MA	Y RESULT IN	REJECTION	OF	
	OFFER. If by virtue of this amendment you makes reference to the solicitation and the solicitation and the solicitation and the solicitation and the solicitation are solicitation.				or letter, prov	/ided each tele(	jram 	
	COUNTING AND APPROPRIATION DATE  VET OBLIGATION: \$\$5,076,35			•				
	13. THIS ITEM APPLIES ONLY TO MO		RDERS,IT MODIF	FIES THE CONTRACT/ORDER N	O. AS DESC	RIBED IN ITEM	l 14.	
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10A		) THE CHANGES	S SET FORTH IN ITEM 14 ARE N	MADE IN THE			
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH IN				as changes in	paying office,		
	C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:	······································	<del></del>		
X	d. OTHER (Specify type of modification Limitation of Funding Cla							
E. IMP	ORTANT: Contractor X is no		is document and	return	copies to the	issuing office		
14. des	scription of amendment/modification (Org.	anized by UCF section headings, inc	luding solicitation	n/contract subject matter where fe		<u>`</u>	<del></del>	
The	purpose of this modifica	ation is to obligate and	d deobliga	ate funds on the cor	ntract.			
				•				
15A. N	AME AND TITLE OF SIGNER (Type or p	rint)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  Dawn Alexander, Contracting Officer					
	ONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	+	D STATES OF AMERICA		SC. DATE SIGN	1ED	
CONTR	RACTOR/OFFEROR		BY Orig	inal Signed by		11/17/		

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$157,377,948.08. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through November 28, 2005.
  - (b) An additional amount of \$7,309,894.16 is obligated under this contract for payment of fee.
    (End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 28	Obligation This Modification 29	Revised Cumulative Obligation
Total Cost	\$152,427,084.20	\$4,950,863.88	\$157,377,948.08
Fee	<u>\$7,184,406.76</u>	<b>\$125,487.40</b>	<u>\$7,309,894.16</u>
Total	\$159,611,490.96	\$5,076,351.28	\$164,687,842.24

#### 3. Obligations/Deobligations

bligations:			Deobligations:			
PR	Amount	Org	PLI/ALI	WBS	Amount	Org
4200136755	\$5,120,383.25		152/10		\$12,031.99	
			152/20		\$3,999.99	
			163/380	72-101-31-AM	\$24,000.00	
			175/670		\$3,999.99	
TOTAL	\$5,120,383.25			TOTAL	\$44,031.97	
	-		Net Change			
			Obligations		\$5,120,383.25	
			Deobligations		\$44,031.97	•
	_	·		TOTAL	\$5,076,351.28	

				OME	3 APPRO	VAL #: 27	00-0042
		OF SOLICITATION/ NTRACT AMENDMENT O	)F	1. CONTRACT ID CODE		PAGE OF 1	PAGES
2. AMEN	IDMENT/MODIFICATION NO. 28	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	10N/PURCHASE REQ. NO. 4200135934	5. PROJEC	OT NO. (If applie	cable)
6. ISSUE		BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA	VJohnson Space Cent	er	_				
Attn:	BH2/Jennifer Ariens						
2101	NASA Parkway						
Hous	ton, TX 77058			es.			
8. NAME	AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip Co	ode)	* H&			
Svor	drup Technology, Inc.						
	Mr. Paul Spickard, Co	ntracts Manager					
	Box 58447	mado Managor					
	ton, TX 77258-8447						
CODE	348M3		FACILITY CO	ODE		<del></del>	
	9A. AMENDMENT OF SOLICITATION	I NO.	+	(SEE ITEM 11)		<del>-</del>	
1	10A. MODIFICATION OF CONTRACT	ORDER NO.	10B. DATE	(SEE ITEM 13)			
<u> </u>	NNJ05HI05C		<u> </u>	December	<u> </u>		
		HIS ITEM ONLY APPLIES TO				<b>г</b>	
	e above numbered solicitation is ameno ust acknowledge receipt of this amendr				is extended, following met		xtended.
(-) P	and the second of the second section	Coming of the amondment (h)	D 1				
	mpleting Items 8 and 15, and returning d; or (c) By separate letter or telegram v			ing receipt of this amendment on ndment numbers. FAILURE OF \			TTO .
BE REC	EIVED AT THE PLACE DESIGNATED	FOR THE RECEIPT OF OFFERS PE	RIOR TO THE H	OUR AND DATE SPECIFIED MA	AY RESULT IN	REJECTION (	OF .
	FFER. If by virtue of this amendment y makes reference to the solicitation and t				n or letter, prov	vided each teleg	ram
12. ACC	COUNTING AND APPROPRIATION DA	TA (If required)	, , , , , , , , , , , , , , , , , , ,				<del></del>
	et obligation: \$6,090,472  3. THIS ITEM APPLIES ONLY TO MO		DERS IT MODU	TIES THE CONTRACT/ORDER N	IO AS DESC	DIRED IN ITEM	14
	o. 11110 11 Elles offer 10 1110		DETTO, IT MODIL	TEO THE CONTRACTION DENT	10. AS DESC		14.
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 104		THE CHANGE	S SET FORTH IN ITEM 14 ARE I	MADE IN THE		
	B. THE ABOVE NUMBERED CONTR	ACT/ORDER IS MODIFIED TO REFL			as changes in	paying office,	
	appropriation date, etc.) SET FORTH II	N ITEM 14, PURSUANT TO THE AU	THORITY OF FA	AR 43.103(b).			
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:			
	d. OTHER (Specify type of modification Limitation of Funding Cla						
	PRTANT: Contractor X is no		s document and	l return	copies to the	issuing office	
-	cription of amendment/modification (Org				<u> </u>		
14. 0000	inpoor or amendment/modification (org	quinzed by Got Socion nodomys, moi	admig solicitation	sconnact subject matter where re	asibic.		
The	ourpose of Modification	28 is to replace Mod	ification 2	7 in it's entirety, to	correct a	an error tl	nat
	ound. The changes a	<del>-</del>		,			
	J	•					
15A. NA	15A. NAME AND TITLE OF SIGNER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)						
		T	<del> </del>	xander, Contracting Offic			
	NTRACTOR/OFFEROR15B. ACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITE	O STATES OF AMERICA	16	SC. DATE SIGN	ED
			BY Orig	inal Signed by		11/17/	05

Modification 28 hereby replaces Modification 27 in it's entirety, as follows:

# 1. B.4 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$152,427,084.20. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through November 16, 2005.
  - (b) An additional amount of \$7,184,406.76 is obligated under this contract for payment of fee.
    (End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 25	Obligation This Modification 28 (Replaces Mod 27)	Revised Cumulative Obligation
Total Cost	\$146,487,167.79	\$5,939,916.41	\$152,427,084.20
Fee	\$7,033,850.27	<u>\$150,556.49</u>	<u>\$7,184,406.76</u>
Total	\$153,521,018.06	\$6,090,472.90	\$159,611,490.96

3. Obligations/Deobligations

Obligations:		<del></del>	Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200135934	\$7,044,591.89		152/30		\$86,119.00
			172/10	72-610-20-15-WT	\$59,999.99
			131/790	72-617-42-22-AA	\$97,000.00
			174/110		\$671,000.00
			172/190	72-610-20-15	\$40,000.00
TOTAL	\$7,044,591.89			TOTAL	\$954,118.99
			Net Change		
			Obligations		\$7,044,591.89
			Deobligations		\$954,118.99
				TOTAL	\$6,090,472.90

				OME	3 APPRO	VAL #: 27	00-0042
		OF SOLICITATION/ NTRACT AMENDMENT O	)F	1. CONTRACT ID CODE		PAGE OF I	PAGES 2
2. AME	NDMENT/MODIFICATION NO. 27	3. EFFECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO. 4200135934	5. PROJEC	CT NO. (If applic	cable)
6. ISSL	JED BY CODE	BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NAS	A/Johnson Space Cent	er					
Attn:	BH2/Jennifer Ariens						
2101	I NASA Parkway						
Hou	ston, TX 77058						
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip Co	ode)				
Sver	drup Technology, Inc.						
	Mr. Paul Spickard, Co	ntracts Manager					
	Box 58447	J					
Hou	ston, TX 77258-8447						
CODE	348M3		FACILITY CO	DDE			
_0_	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATED	(SEE ITEM 11)			
х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	7ORDER NO.	10B. DATE	) (SEE ITEM 13) December 1	17 2004		
_^_		HIS ITEM ONLY APPLIES TO	AMENDAI			<del></del>	
ГΠТ	<ol> <li>II. If he above numbered solicitation is amend</li> </ol>				is extended.	is not e	extended.
Offers r	must acknowledge receipt of this amendr	nent prior to the hour and date specific	ed in the solicita	tion or as amended, by one of the	following me	thods:	
(a) By c	completing Items 8 and 15, and returning	copies of the amendment; (b)	By acknowledg	ing receipt of this amendment on	each copy of	the offor	
	ed; or (c) By separate letter or telegram v	which includes a reference to the solic	itation and ame	ndment numbers. FAILURE OF Y	YOUR ACKNO	OWLEDGEMEN	
	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y						
or letter	makes reference to the solicitation and	this amendment, and is received prior					
	COUNTING AND APPROPRIATION DANS VIET ON 150,472						
	13. THIS ITEM APPLIES ONLY TO MC		DERS,IT MODI	FIES THE CONTRACT/ORDER N	IO. AS DESC	RIBED IN ITEM	114.
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 104		THE CHANGE	S SET FORTH IN ITEM 14 ARE N	MADE IN THE		
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH II				as changes in	paying office,	
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:		<u> </u>	
	d. OTHER (Specify type of modification Limitation of Funding Cla					<del></del>	-
	ORTANT: Contractor X is no		s document and	return	copies to the	Issuing office	
14. de:	scription of amendment/modification (Orc	ganized by UCF section headings, incl	udina solicitatio	n/contract subject matter where fe			<del></del>
		, ,			,		
The	purpose of this modification	ation is to obligate and	d deobliga	ate funds on the cor	ntract.		
15A. N	IAME AND TITLE OF SIGNER (Type or )	print)	16A. NAME	AND TITLE OF CONTRACTING	OFFICER (Ty	pe or print)	
_			Dawn Ale	xander, Contracting Offic	er		
	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITE	D STATES OF AMERICA	1	6C. DATE SIGN	1ED
CONT	RACTOR/OFFEROR		BY Orig	inal Signed by:		11/10/2	005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$152,485,600.99. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through November 16, 2005.
  - (b) An additional amount of \$7,185,889.96 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

_	Obligations Thru Modification 25	Obligation This Modification 27	Revised Cumulative Obligation
Total Cost	\$146,487,167.79	\$5,998,433.20	\$152,485,600.99
Fee	\$7,033,850.27	<u>\$152,039.69</u>	<u>\$7,185,889.96</u>
Total	\$153,521,018.06	\$6,150,472.89	\$159,671,490.95

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200135934	\$7,044,591.89		152/30		\$86,119.00
			172/10	72-610-20-15-WT	60,00.00
			131/790	72-617-42 <b>-</b> 22-AA	\$97,000.00
			174/110		\$671,000.00
			172/190	72-610-20-15	\$40,000.00
TOTAL	\$7,044,591.89			TOTAL	\$894,119.00
			Net Change		
			Obligations		\$7,044,591.89
			Deobligations		\$894,119.00
				TOTAL	\$6,150,472.89

				OMI	B APPRO	VAL #: 2700-0042	
·		OF SOLICITATION/ NTRACT AMENDMENT (	OF	CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AME	NDMENT/MODIFICATION NO. 26	3. EFFECTIVE DATE See Block 16c	4. REQUISITI	ON/PURCHASE REQ. NO. N/A	5. PROJEC	T NO. (If applicable)	
6. ISSU	JED BY CODE	BH2/JGC	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
Attn: 2101	A/Johnson Space Center BH2/Jennifer Ariens NASA Parkway ston, TX 77058						
8. NAN	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)				
Attn: P.O.	drup Technology, Inc. Mr. Paul Spickard, Conti Box 58447 ston, TX 77258-8447	racts Manager					
CODE	348M3		FACILITY CO	DE			
(x)	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATED (	SEE ITEM 11)			
х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	ORDER NO.	10B. DATED	(SEE ITEM 13)  December	17, 2004		
(a) By of submitted SE REFOUR or letter 12. AC	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,						
E. IMP	ORTANT: Contractor X is n	ot, is required to sign th	nis document and	return 3	copies to the	issuing office	
15A. N	purpose of this modification (Organization of amendment/modification (Organization))  IAME AND TITLE OF SIGNER (Type or posterior)  CONTRACTOR/OFFEROR15B.	orint)  15C. DATE SIGNED	16A. NAME A Dawn Ale:  16B. UNITED BY		OFFICER (Ty)	SC. DATE SIGNED 11/07/05	
1	540-01-152-8070 OUS EDITION UNUSABLE	30-105			STANDA	RD FORM 30 (Rev. 10-83) Prescribed by GSA	

1. Clause H.12 Key Personnel and Facilities is deleted in its entirety and replaced by the following:

#### H.12 KEY PERSONNEL AND FACILITIES (NFS 1852.235-71) (MAR 1989)

- (a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the Contractor shall (1) notify the Contracting Officer reasonably in advance and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.
- (b) The Contractor shall make no diversion without the Contracting Officer's written consent; provided, that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.
- (c) The list of personnel and/or facilities (shown below or as specified in the contract Schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

(End of Clause)

All other terms and conditions of the contract remain unchanged.

			OME	APPRO	/AL#; 27	00-0042
AMENDMENT OF MODIFICATION OF CONT		)F	1. CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/MODIFICATION NO. 25	s. EFFECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO. 4200134747	5. PROJEC	T NO. (If appli	cable)
6. ISSUED BY CODE	BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Cente	1	_		·		
Attn: BH2/Jennifer Ariens						
2101 NASA Parkway						
Houston, TX 77058				· .	•	
8. NAME AND ADDRESS OF CONTRACTOR (N	o., street, county, State, and Zip Co	ode)				
Sverdrup Technology, Inc. Attn: Mr. Paul Spickard, Con P.O. Box 58447	tracts Manager					
Houston, TX 77258-8447		_				
CODE 348M3		FACILITY C				<del>.</del>
() 9A. AMENDMENT OF SOLICITATION N	O.	9B. DATEL	) (SEE ITEM 11)			
10A. MODIFICATION OF CONTRACT/C X NNJ05HI05C	RDER NO.	10B. DATE	D (SEE ITEM 13)  December	17 2004		
	S ITEM ONLY APPLIES TO	L D AMENDM			_	
The above numbered solicitation is amended Offers must acknowledge receipt of this amendme  (a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram while RECEIVED AT THE PLACE DESIGNATED FOR YOUR OFFER. If by virtue of this amendment you or letter makes reference to the solicitation and this	nt prior to the hour and date specification copies of the amendment; (b) ch includes a reference to the solid DR THE RECEIPT OF OFFERS Plots desire to change an offer already is amendment, and is received prior	ed in the solicit  By acknowled  citation and ame  RIOR TO THE I  submitted, such	ation or as amended, by one of the ging receipt of this amendment on endment numbers. FAILURE OF YHOUR AND DATE SPECIFIED MAIL change may be made by telegram	each copy of the OUR ACKNO	hods: he offor WLEDGEMEN I REJECTION	OF
12. ACCOUNTING AND APPROPRIATION DATA Net obligation: \$10,354,000						
13. THIS ITEM APPLIES ONLY TO MOD	FICATIONS OF CONTRACTS/OF	DERS,IT MOD	IFIES THE CONTRACT/ORDER N	IO. AS DESCR	RIBED IN ITEM	114.
A. THIS CHANGE ORDER IS ISSUED F CONTRACT ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority	) THE CHANGE	ES SET FORTH IN ITEM 14 ARE I	MADE IN THE		
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH IN I				as changes in p	paying office,	
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT	TO AUTHORI	TY OF:	· · · · · ·		
d. OTHER (Specify type of modification a Limitation of Funding Clau						
E. IMPORTANT: Contractor X is not,	is required to sign th	is document ar	nd return	copies to the	issuing office	
14. description of amendment/modification (Organ	nized by UCF section headings, inc	luding solicitati	on/contract subject matter where fe	easible.)		
The purpose of this modificat	ion is to obligate an	d deoblig	ate funds on the co	ntract.		
15A. NAME AND TITLE OF SIGNER (Type or pri	nt)		EAND TITLE OF CONTRACTING exander, Contracting Office		pe or print)	
15B. CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITE	ED STATES OF AMERICA	16	C. DATE SIGI	NED
CONTRACTOR/OFFEROR		BY			10/26	05

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$146,487,167.79. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **November 4, 2005**.
  - (b) An additional amount of \$7,033,850.27 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

_	Obligations Thru Modification 24	Obligation This Modification 25	Revised Cumulative Obligation
Total Cost	\$136,389,118.67	\$10,098,049.12	\$146,487,167.79
Fee	\$6,777,899.39	<u>\$255,950.88</u>	<u>\$7,033,850.27</u>
Total	\$143,167,018.06	\$10,354,000.00	\$153,521,018.06

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200134747	\$10,419,000.00		163/350	72-101-31-11	\$21,000.00
			163/320	72-131-50-10-MW	\$44,000.00
TOTAL	\$10,419,000.00			TOTAL	\$65,000.00
			Net Change		
			Obligations		\$10,419,000.00
			Deobligations		\$65,000.00
				TOTAL	\$10,354,000.00

				OME	3 APPRO	VAL #: 27	00-0042
		OF SOLICITATION/ NTRACT AMENDMENT	OF	1. CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/MODIFIC 24	ATION NO.	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	10N/PURCHASE REQ. NO. 4200133938	5. PROJEC	CT NO. (If appli	cable)
6. ISSUED BY	CODE	BH2/JGC	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
NASA/Johnson	Space Cent	er	<del></del>		•		
Attn: BH2/Jenn	ifer Ariens						
2101 NASA Par	•						
Houston, TX 77	'058				,		
8. NAME AND ADDRESS	OF CONTRACTOR	(No., street, county, State, and Zip	Code)			- 14.	
Sverdrup Techn	ology, Inc.						
	• • •	ontracts Manager					
P.O. Box 58447		-					
Houston, TX 77	258-8447						
CODE 348M3			FACILITY CO	DDE			
() 9A. AMENDMENT	OF SOLICITATION	INO.	9B. DATED	(SEE ITEM 11)			
X NNJ05H	ON OF CONTRACT	ORDER NO.	10B. DATED	(SEE ITEM 13) December	 17 2004		
7 11110001		HIS ITEM ONLY APPLIES	TO AMENIDME		<del> </del>		·
_	solicitation is amend	led as set forth in Item 14. The hou	ır and date specifie	d for receipt of Offers	is extended,	_	extended.
Offers must acknowledge re	eceipt of this amendr	ment prior to the hour and date spec	cified in the solicita	tion or as amended, by one of the	following met	thods:	
(a) By completing Items 8 a				ing receipt of this amendment on			
		which includes a reference to the so FOR THE RECEIPT OF OFFERS					-
·	-	rou desire to change an offer alread	-		or letter, prov	vided each teleç	gram
12. ACCOUNTING AND A	PROPRIATION DA	this amendment, and is received pr TA (If required)	ior to the opening i	nour and date specified.			
Net obligation :				TEO THE CONTRACT/ORDER	10. 10.0500	DIDEO (1) (TEX	<del> </del>
13. THIS ITEM API	PLIES ONLY TO MC	ODIFICATIONS OF CONTRACTS/C	NUERS,II MODII	TIES THE CONTRACT/ORDER N	IO. AS DESCI	HIBED IN ITEN	114.
	ORDER IS ISSUED ER NO. IN ITEM 10/	O PURSUANT TO: (Specify author A.	ity) THE CHANGE	S SET FORTH IN ITEM 14 ARE N	MADE IN THE		
		ACT/ORDER IS MODIFIED TO RE N ITEM 14, PURSUANT TO THE A			ıs changes in ı	paying office,	
C. THIS SUPPLE	MENTAL AGREEME	ENT IS ENTERED INTO PURSUAN	TIROHTUA OT TI	Y OF:			
	fy type of modification	n and authority) AUSE (FAR 52.232-22)				**	
E. IMPORTANT: Contract			this document and	return	copies to the	issuing office	
		ganized by UCF section headings, i			<u> </u>		<del></del>
TH. GOODING! OF AMORGIN		quinzou by our booker roddinge, i	nordaning comenants	voonaat sasjoot matter mere to	40,0,0,7		
The purpose of	this modific	ation is to obligate a	nd deobliga	ate funds on the cor	ntract.		
15A. NAME AND TITLE OF SIGNER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)							
			Dawn Ale	xander, Contracting Offic	er		
15B. CONTRACTOR/OFF		15C. DATE SIGNED	16B. UNITE	O STATES OF AMERICA	16	6C. DATE SIGN	1ED
CONTRACTOR/OFFEROF	1		BY Origi	nal Signed by:		9/29/20	005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$136,389,118.67. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **October 18, 2005**.
  - (b) An additional amount of \$6,777,899.39 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 23	Obligation This Modification 24	Revised Cumulative Obligation
Total Cost	\$136,361,480.19	\$27,638.48	\$136,389,118.67
Fee	\$6,777,198.85	<u>\$700.54</u>	\$6,777,899.39
Total	\$143,138,679.04	\$28,339.02	\$143,167,018.06

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200133938	\$65,922.20		128/320	72-377-10-21-13	\$37,583.18
TOTAL	\$65,922.20	~		TOTAL	\$37,583.18
			Net Change		
			Obligations		\$65,922.20
			Deobligations		\$37,583.18
				TOTAL	\$28,339.02

				OME	APPRO	VAL.#: 2700-0042	
		SOLICITATION/ TRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF PAGES  1 2	
2. AMENDMENT/MODIFICATION 12	NO.	3. EFFECTIVE DATE See Block 16c	4. REQUIS	ITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)	
6. ISSUED BY	CODE	BH2/JEI	7. ADMINIS	STERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Attn: BH2/Dawn Alex 2101 NASA Parkway Houston, TX 77058				• CV AC			
8. NAME AND ADDRESS OF CO	NTRACTOR (A	lo., street, county, State, and Zip C	ode)				
Sverdrup Technology Attn: Mr. Paul Spicka 2224 Bay Area Boule Houston, TX 77058	rd, Contra	_					
CODE 348M3			FACILITY C	ODE			
(x) 9A. AMENDMENT OF S	OLICITATION N	IO.	9B. DATED	(SEE ITEM 11)			
10A. MODIFICATION OF NNJ05HI05		DRDER NO.	10B. DATE	D (SEE ITEM 13)  December	17, 2004		
7		S ITEM ONLY APPLIES T	O AMENDM	ENTS OF SOLICITATION			
submitted; or (c) By separate lette BE RECEIVED AT THE PLACE D YOUR OFFER. If by virtue of this or letter makes reference to the so  12. ACCOUNTING AND APPRO  (x)  A. THIS CHANGE ORD CONTRACT ORDER NO B. THE ABOVE NUMBE appropriation date, etc.)  C. THIS SUPPLEMENT FAR 52.243-2,	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:						
E. IMPORTANT: Contractor	is not	, X is required to sign the	nis document ar	nd return3	copies to the	issuing office	
·	nodificatio NER (Type or pr ral Manage 15B. ed by	n is to amend Section	J, Attachr  16A. NAME Dawn A  16B. UNITE	en/contract subject matter where fement J-2, Data Require  E AND TITLE OF CONTRACTING  lexander  ED STATES OF AMERICA  Original Signed by  (Signature of Contracting Officer)	ements,		
NSN 7540-01-152-8070	-	30-105	!		STANDA	ARD FORM 30 (Rev. 10-83)	
PREVIOUS EDITION UNUSABLE	=					Prescribed by GSA	

- The JSC Data Requirements Description (DRD) for Data Requirements List (DRL) 002, Contract Work Breakdown Structure and Dictionary, is deleted in its entirety and replaced by the attached version dated June 29, 2005. The DRD has been modified to delete the fourth sentence in the Contents section. There is no cost associated with this change.
- 2. The DRD for DRL 004, Financial Management Report (NF533), is deleted in its entirety and replaced by the attached version dated June 25, 2005. The DRD has been modified throughout for clarity and to add an additional column entitled "Government Fiscal Year EAC" to the report. The descriptions of the supplemental reports in Attachment 5 are also revised to clarify requirements. The estimated cost of this change is \$100,000.
- 3. Pursuant to Special Contract Provision H.7, Special Clause for Contract Changes, and Section I Clause 52.243-2, Changes Cost Reimbursement, an equitable adjustment in the estimated cost and fee of the contract is not being made since the estimated cost increase is less than \$500,000.

		OMB APPE	ROVAL #: 2700-0042				
	OF SOLICITATION/ INTRACT AMENDMENT (	1. CONTRACT ID CODE	PAGE OF PAGES  1 3				
2. AMENDMENT/MODIFICATION NO. 13	3. EFFECTIVE DATE See Block 16c	4. REQUISITION/PURCHASE REQ. NO. 5. PRO	DJECT NO. (If applicable)				
6. ISSUED BY CODE	BH2/JEI	7. ADMINISTERED BY (If other than Item 6) COD	DE				
NASA/Johnson Space Center Attn: BH2/Dawn Alexander 2101 NASA Parkway Houston, TX 77058							
8. NAME AND ADDRESS OF CONTRACTOR	R (No., street, county, State, and Zip C	ode)					
Sverdrup Technology, Inc. Attn: Ms. Michele Katz, Busir 2224 Bay Area Boulevard, 4E Houston, TX 77058	<del>-</del>						
CODE 348M3		FACILITY CODE					
9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DATED (SEE ITEM 11)					
10A. MODIFICATION OF CONTRAC	T/ORDER NO.	10B. DATED (SEE ITEM 13)					
X NNJ05HI05C		December 17, 20	04				
(a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and 12. ACCOUNTING AND APPROPRIATION DESCRIPTION OF A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10.  B. THE ABOVE NUMBERED CONTRACT ORDER NO. IS THE ABOVE NUMBERED CONTRACT ORDER NO. IS TORTH CO. THIS SUPPLEMENTAL AGREEM FAR 52.243-2 Alt. II	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 offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT 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 you 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,  IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.(x) (x)  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:  X FAR 52.243-2 Alt. II  d. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor is	not, X is required to sign the	his document and return 3 copies to	the issuing office				
The purpose of this modificat	ion is to make administro B.2 Estimated Cost and Plan.  r print)  15C. DATE SIGNED 9/8/05	ative and negotiated changes to the contract subject matter where feasible.)  ative and negotiated changes to the contractive changes the changes the contractive changes the changes t	e to section H, and				
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-105	STA	NDARD FORM 30 (Rev. 10-83) Prescribed by GSA				

1. Section B.2, Estimated Cost and Award Fee (NFS 1852.216-85) (SEP 1993), is deleted in its entirety and replaced by the following. This section has been updated to reflect the maximum amount for IDIQ and LOE work as allowed by the original award.

#### **B.2** ESTIMATED COST AND AWARD FEE (NFS 1852.216-85) (SEP 1993)

- a. The estimated cost of this contract is \$1,054,849,267. The maximum available award fee, excluding base fee, if any, is \$76,422,198. The base fee is \$0. Total estimated cost, base fee, and maximum award fee are \$1,131,271,465.
  - b. The estimated cost and award fee for this contract is broken out as follows:

Total	\$1,054,849,267	\$76,422,198	\$1,131,271,465
Phase-In Period (Fixed-Price)	\$750,000	TO LONG TO MAIN PALLON CONT () I I I I I I I I I I I I I I I I I I	\$750,000
Level-Of-Effort**	\$205,326,670	\$14,886,184	\$220,212,854
Indefinite-Delivery-Indefinite Quantity*	\$559,440,559	\$40,559,441	\$600,000,000
Baseline Requirements	\$289,332,038	\$20,976,573	\$310,308,611
	Estimated Cost***	Maximum Award Fee	<u>Total</u>

<sup>\*</sup> Total value (cost and fee) of delivery orders issued;

(End of Clause)

- 2. Section H., Special Contract Requirement subsection H.1.II, NFS 1852.225-70, Export Licenses (February 2000), paragraph (b), insert "NASA Johnson Space Center" as the name of the NASA installation.
- 3. Section J-11. Award Fee Plan, Appendix 2, is deleted in its entirety and replaced by the following:

<sup>\*\*</sup> Total value (cost and fee) of task orders issued

<sup>\*\*\*</sup> Pricing of all IDIQ delivery orders and LOE task orders shall be in accordance with the negotiated rate tables in Section J-13.

# APPENDIX 2 AWARD FEE DISTRIBUTION

1	February 1, 2005 - September 30, 2005	\$8,900,000	TBD
2	October 1, 2005 - March 31, 2006	\$7,791,022	TBD
3	April 1, 2006 - September 30, 2006	\$7,791,022	TBD
4	October 1, 2006 - March 31, 2007	\$7,791,022	TBD
5	April 1, 2007 - September 30, 2007	\$7,791,022	TBD
6	October 1, 2007 - March 31, 2008	\$7,791,022	TBD
7	April 1, 2008 - September 30, 2008	\$7,791,022	TBD
8	October 1, 2008 - March 31, 2009	\$7,791,022	TBD
9	April 1, 2009 - September 30, 2009	\$7,791,022	TBD
10	October 1, 2009 - January 31, 2010	\$5,194,016	TBD

In addition, Section 2.4, Evaluation Procedures, is modified to insert the word "working" between "5" and "days" in the fourth paragraph, and in the second sentence of the fifth paragraph.

The maximum award fee available for each period is based upon the condition that NASA authorizes the dollar amount of work as identified in Table B.2, Estimated Cost and Award Fee. Approximately sixty (60) days before each Award Fee period end-date ESCG and NASA shall confirm that the Award Fee pool is appropriate for the work planned to be authorized for the following Award Fee Periods and shall adjust the Award Fee allocations as appropriate. ESCG shall maintain a log of work released during the Award Fee period and shall submit that log to JSC approximately sixty days prior to award fee evaluation for review.

				OME	3 APPRO	VAL #: 27	00-0042
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT AMENDMENT O				1. CONTRACT ID CODE		PAGE OF	PAGES
2 A & # E	MODIFICATION OF CO.	3. EFFECTIVE DATE		TION/PURCHASE REQ. NO.	5 PROJEC	T NO. (If appli	3
Z. AIVIE	23	See Block 16c					
6. ISSU	ED BY CODE	BH2/JGC	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NAS	A/Johnson Space Cent	er	<del></del>		•		
Attn:	BH2/Jennifer Ariens						
2101	NASA Parkway						
Hous	ston, TX 77058				4		
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)				
Syor	drup Technology, Inc.						
	Mr. Paul Spickard, Co	ontracts Manager					
	Box 58447	mado managor					
	ston, TX 77258-8447						
CODE	348M3		FACILITY CO	ODE		<del>-</del>	
()	9A. AMENDMENT OF SOLICITATION	l NO.	9B. DATED	(SEE ITEM 11)		·	
						<del>.</del>	<del>- , ,</del>
x	10A. MODIFICATION OF CONTRACT NNJ05HI05C	7/ORDER NO.	10B. DATE	O <i>(SEE ITEM 13)</i> December 1	17 2004		
		HIS ITEM ONLY APPLIES T					
Th	ne above numbered solicitation is ameno				is extended,	is not e	extended.
Offers n	nust acknowledge receipt of this amendr	nent prior to the hour and date specif	fled in the solicita	tion or as amended, by one of the	following met	hods:	
(a) By c	ompleting Items 8 and 15, and returning	copies of the amendment; (b	) By acknowledg	ing receipt of this amendment on	each copy of the	he offor	
	ed; or (c) By separate letter or telegram v						
	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y						
	makes reference to the solicitation and		r to the opening	hour and date specified.			
	counting and appropriation da let obligation: \$597,659.0						
	13. THIS ITEM APPLIES ONLY TO MC	DIFICATIONS OF CONTRACTS/OF	RDERS,IT MODI	FIES THE CONTRACT/ORDER N	O. AS DESCR	RIBED IN ITEM	114.
	A. THIS CHANGE ORDER IS ISSUED	D PURSUANT TO: (Specify authority	/) THE CHANGE	S SET FORTH IN ITEM 14 ARE I	MADE IN THE		<del></del>
	CONTRACT ORDER NO. IN ITEM 10A						
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				as changes in p	paying office,	
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	T TO AUTHORIT	Y OF:			-
	d. OTHER (Specify type of modification		·				<del></del>
<u>X</u>	Limitation of Funding Cla	ause (FAR 52.232-22)					
E. IMP	ORTANT: Contractor X is n	ot, is required to sign the	nis document and	d return	copies to the i	issuing office	
14. des	cription of amendment/modification (Org	ganized by UCF section headings, inc	cluding solicitatio	n/contract subject matter where fe	asible.)	<del></del>	
	6 18 1 1161						
The	purpose of this modification	ation is to obligate an	d deobliga	ate funds on the cor	ntract.		
15A. N.	AME AND TITLE OF SIGNER (Type or )	 print)	16A. NAME	AND TITLE OF CONTRACTING	OFFICER (Tvr	oe or print)	<del>-,-</del> ,-
	=(	•		fanovic, Contracting Offic		(ey)	
	ONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITE	D STATES OF AMERICA	16	C. DATE SIGN	VED
CONTR	AACTOR/OFFEROR		BY Origi	nal Signed by		9/27/20	005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$136,361,480.19. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through October 18, 2005.
  - (b) An additional amount of \$6,777,198.85 is obligated under this contract for payment of fee.

(End of clause)

_	Obligations Thru Modification 22	Obligation This Modification 23	Revised Cumulative Obligation	
Total Cost	\$135,778,595.24	\$582,884.95	\$136,361,480.19	
Fee	\$6,762,424.72	<u>\$14,774.13</u>	<u>\$6,777,198.85</u>	
Total	\$142,541,019.96	\$597,659.08	\$143,138,679.04	

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200132531	\$1,134,798.39		163/200	72-336-36-01-AJ	\$47,360.00
			164/10		\$50,913.00
			144/410	72-612-50-04-15	\$700.00
			145/60		\$58,037.68
			104/10		\$354.44
			132/130		\$1,861.38
			95/10		\$129,016.00
			134/400	72-377-10-13-10	\$2,184.00
			137/50		\$78,959.00
		-	129/10		\$13,827.68
			129/20		\$5,926.14
			135/40		\$147,999.99
TOTAL	\$1,134,798.39			TOTAL	\$537,139.31
			N-4 Ob		
			Net Change		#4 40 4 700 00
			Obligations		\$1,134,798.39
			Deobligations		\$537,139.31
				TOTAL	\$597,659.08

			OME	3 APPRO	VAL #: 27	00-0042
	FOF SOLICITATION/ ONTRACT AMENDMENT	OF	1. CONTRACT ID CODE		PAGE OF	PAGES 3
2. AMENDMENT/MODIFICATION NO. 22	3. EFFECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO. See page 2	5. PROJEC	CT NO. (If applie	cable)
6. ISSUED BY CODE		7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Ce					17,000	
Attn: BH2/Jennifer Ariens	•					
2101 NASA Parkway						
Houston, TX 77058					<del></del>	
8. NAME AND ADDRESS OF CONTRACTO	)R (No., street, county, State, and Zip	Code)				
Sverdrup Technology, Inc						
Attn: Mr. Paul Spickard, C	Contracts Manager					
P.O. Box 58447						
Houston, TX 77258-8447						
CODE 348M3  () 9A. AMENDMENT OF SOLICITATION	ON NO.	9B. DATED	ODE (SEE ITEM 11)			
			, , , , , , , , , , , , , , , , , , ,			
X NNJ05HI05C	CT/ORDER NO.	10B. DATE	O (SEE ITEM 13)  December	17 2004		
	THIS ITEM ONLY APPLIES	TO AMENDM		<u> </u>		
The above numbered solicitation is amo				is extended,	is not e	extended.
Offers must acknowledge receipt of this ame	ndment prior to the hour and date spec	cified in the solicita	ation or as amended, by one of the	following met	thods:	
(a) By completing Items 8 and 15, and return	· ·		ing receipt of this amendment on			
submitted; or (c) By separate letter or telegra BE RECEIVED AT THE PLACE DESIGNATI						
YOUR OFFER. If by virtue of this amendmen	· ·	•	- ,	n or letter, prov	vided each teleç	gram
or letter makes reference to the solicitation at 12. ACCOUNTING AND APPROPRIATION	DATA (If required)	nor to the opening	nour and date specified.			
Net obligation: \$11,356,	960.67 MODIFICATIONS OF CONTRACTS/0	ORDERS IT MODI	FIES THE CONTRACT/ORDER	UO AS DESC	BIRED IN ITEM	111
A. THIS CHANGE ORDER IS ISSU CONTRACT ORDER NO. IN ITEM	JED PURSUANT TO: (Specify author 10A.	ity) THE CHANGE	S SET FORTH IN ITEM 14 ARE	MADE IN THE	<u>:</u>	
1	TRACT/ORDER IS MODIFIED TO RE THIN ITEM 14, PURSUANT TO THE A			as changes in	paying office,	
C. THIS SUPPLEMENTAL AGREE	EMENT IS ENTERED INTO PURSUAN	NT TO AUTHORIT	Y OF:			
d. OTHER (Specify type of modifica						
	Clause (FAR 52.232-22)					
	is not, is required to sign			<del></del>	issuing office	
14. description of amendment/modification (	Organized by UCF section neadings, i	nciuding solicitatio	n/contract subject matter where te	asible.)		
The purpose of this modif	ication is to obligate a	nd deoblig	ate funds on the co	ntract.		
15A. NAME AND TITLE OF SIGNER (Type	or print)	16A. NAME	AND TITLE OF CONTRACTING	OFFICER (Ty:	pe or print)	
		Dawn Ale	exander, Contracting Offic	er		
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITE	D STATES OF AMERICA	16	6C. DATE SIGN	1ED
CONTINUISTICAL ENOR		BY			9/16/20	005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$135,778,595.24. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through October 17, 2005.
  - (b) An additional amount of \$6,762,424.72 is obligated under this contract for payment of fee.

(End of clause)

Obligations Thru Modification 20		Obligation This Modification 22	Revised Cumulative Obligation
Total Cost	\$124,702,378.64	\$11,076,216.60	\$135,778,595.24
Fee	\$6,481,680.65	<u>\$280,744.07</u>	<u>\$6,762,424.72</u>
Total	\$131,184,059.29	\$11,356,960.67	\$142,541,019.96

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200131531	\$564,070.54		134/460	72-610-20-15-CS	\$321,915.99
4200118883	\$1,157,115.57		122/270	72-336-31-01-AB	\$300,000.00
4200131699	\$184,484.00		122/250	72-376-70-10-EA	\$41,218.00
4200131160	\$3,998.00		23/130	72-377-10-21-20	\$27,981.00
4200131965	\$785,369.06		131/110	72-377-10-21-20	\$41,428.00
4200131568	\$13,000.00		23/70	72-376-70-10-E2	\$19,130.00
4200131940	\$566,962.63		23/120	72-377-10-21-18	\$15,386.00
4200131945	\$236,597.91		29/120	72-376-75-30-SR	\$5,499.99
4200131820	\$5,706,712.42		122/340	72-336-33-10-AA	\$7,000.00
4200130857	\$562,703.00		122/390	72-336-34-05-PC	\$18.54
4200132082	\$1,387,382.00		134/150	72-336-33-10-AA	\$22,999.99
4200132012	\$1,264,621.56		134/160	72-336-34-02-02	\$11,427.00
			134/220	72-336-34-02-AE	\$38,099.99
			134/190	72-336-34-02-CA	\$3,750.00
			134/270	72-336-34-05-PC	\$2,249.99
			134/390	72-376-70-30-IR	\$12,525.00
			134/240	72-377-10-30-15	\$38,099.99
			141/690	72-376-70-10-MA	\$139,831.05
			144/30	72-376-70-10 <b>-</b> MA	\$27,495.49
TOTAL	\$12,433,016.69			TOTAL	\$1,076,056.02
			Net Change		
			Obligations		\$12,433,016.69
			Deobligations		\$1,076,056.02
				TOTAL	\$11,356,960.67

OMB APPROVAL #: 2							00-0042
		OF SOLICITATION/		CONTRACT ID CODE		PAGE OF	PAGES
		NTRACT AMENDMENT		TION PURCHASE DEC. NO.	r ppo is	T NO. (If appli	2
2. AMEND	MENT/MODIFICATION NO.  20	3. EFFECTIVE DATE See Block 16c	4. REQUISITION/PURCHASE REQ. NO. 4200130421				cable)
6. ISSUED	BY CODE	BH2/JMD	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA/J	Johnson Space Center	0112,0112				L	
	H2/Jennifer Ariens						
	ASA Parkway						
Housto	n, TX 77058						
8. NAME A	ND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)				
Sverdru	up Technology, Inc.						
	Ir. Paul Spickard, Cont	racts Manager					
	ay Area Boulevard, Sui						
Housto	n, TX 77058						
CODE	348M3		FACILITY C	ODE		- 41.4	
() 9A	. AMENDMENT OF SOLICITATION	I NO.	9B. DATED	(SEE ITEM 11)			·
10	A. MODIFICATION OF CONTRACT	T/ORDER NO.	10B. DATE	O (SEE ITEM 13)			<del></del>
X	NNJ05HI05C			December	17, 2004		
		HIS ITEM ONLY APPLIES T					
		ded as set forth in Item 14. The hour ment prior to the hour and date specif		•	is extended, following me	_	extended.
(a) D., and	alatina litaran O and 45 and saturning	Coming of the amandments the	). Du oplypaviloda	ing receipt of this amondment on		Alon offen	
	oleting Items 8 and 15, and returning or (c) By separate letter or telegram v	which includes a reference to the solid		ing receipt of this amendment on numbers. FAILURE OF Y			IT TO
		FOR THE RECEIPT OF OFFERS P you desire to change an offer already					
		this amendment, and is received prio			r of fetter, pro	vided each tele	Jrain
	UNTING AND APPROPRIATION DATE OF STREET OF THE CONTROL OF THE CONT						
	<del></del>	DDIFICATIONS OF CONTRACTS/OF	RDERS,IT MODI	FIES THE CONTRACT/ORDER N	IO. AS DESC	CRIBED IN ITEM	114.
A.	THIS CHANGE ORDER IS ISSUED	D PURSUANT TO: (Specify authority	) THE CHANGE	S SET FORTH IN ITEM 14 ARE I	MADE IN THI	<del></del> E	<del></del>
	ONTRACT ORDER NO. IN ITEM 10						
I		ACT/ORDER IS MODIFIED TO REF N ITEM 14, PURSUANT TO THE AU			is changes in	paying office,	
C.	THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:			
	OTHER (Specify type of modification					<u>.</u> .	
	imitation of Funding Cla						,
	TANT: Contractor X is n				<u> </u>	issuing office	
14. descrip	tion of amendment/modification (Org	ganized by UCF section headings, inc	ciuding solicitatio	n/contract subject matter where fe	asible.)		
The pu	rpose of this modification	on is to obligate and de	obligate fu	nds on the contract.			
•		-	-				
454 314.55	E AND TITLE OF COMED (E)	- ulus)	100 1111	AND TITLE OF CONTRACTIVE	OFFICES &		
15A. NAMI	E AND TITLE OF SIGNER (Type or	рпін)		AND TITLE OF CONTRACTING exander, Contracting Office		ype or print)	
15B. CON	TRACTOR/OFFEROR15B.	15C. DATE SIGNED		D STATES OF AMERICA		6C. DATE SIGI	 NED
	TOR/OFFEROR		BY	Original Signed by:		9/7/20	
			1 5.			71 11 2 C	,UJ

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$124,702,378.64. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through September 26, 2005.
  - (b) An additional amount of \$6,481,680.65 is obligated under this contract for payment of fee.

(End of clause)

#### 2. Funding recapitulation:

	Obligations Thru Modification 19	Obligation This Modification 20	Revised Cumulative Obligation
Total Cost	\$123,113,751.49	\$1,588,627.15	\$124,702,378.64
Fee	\$6,441,414.41	<u>\$40,266.24</u>	<u>\$6,481,680.65</u>
Total	\$129,555,165.90	\$1,628,893.39	\$131,184,059.29

Obligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200130421	\$3,401,953.38		128/110	72-376-70-30	\$616,269.12
			141/450	72-376-70-30	\$383,690.88
			134/230	72-377-10-21	\$38,099.99
			108/10	72-336-33-04	\$5,000.00
		•	144/430	72-376-70-30	\$605,000.00
			146/100	72-336-36-01	\$125,000.00
TOTAL	\$3,401,953.38			TOTAL	\$1,773,059.99
			Net Change		-
			Obligations		\$3,401,953.38
			Deobligations		\$1,773,059.99
				TOTAL	\$1,628,893.39

				OME	APPRO	VAL #: 27	00-0042
		OF SOLICITATION/	0=	1. CONTRACT ID CODE		PAGE OF	_
2 AME	MODIFICATION OF CO	NTRACT AMENDMENT  3. EFFECTIVE DATE		ION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If appli	3 icable)
	19	See Block 16c					
6. ISSI	JED BY CODE	BH2/JMD	7. ADMINIS	FERED BY (If other than Item 6)	CODE		
	A/Johnson Space Center						
	BH2/Jennifer Ariens						
	NASA Parkway ston, TX 77058						
8. NAN	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	Code)				
	drup Technology, Inc.						
	Mr. Paul Spickard, Cont						
	l Bay Area Boulevard, Su	ite 200					
nou:	ston, TX 77058	Man .					
CODE	348M3  9A. AMENDMENT OF SOLICITATION	N NO	FACILITY CO	ODE (SEE ITEM 11)		<del></del>	
	9A. AMENDMENT OF SOLICITATION	NNO.	SD. DATED	(SEE ITEM IT)			
	10A. MODIFICATION OF CONTRAC	T/ORDER NO.	10B. DATE	(SEE ITEM 13)	17 0004		
X	NNJ05HI05C			December	<u> </u>	<del></del>	
П,	11. I he above numbered solicitation is amen	HIS ITEM ONLY APPLIES T			is extended.	is not	extended.
	must acknowledge receipt of this amend						exterided.
(a) P.	completing Items 9 and 15, and returning	copies of the amendment: (	h) Bu acknowledd	ing receipt of this amendment on	each conviot t	lhe offer	
	completing Items 8 and 15, and returning ted; or (c) By separate letter or telegram						NT TO
BE RE	CEIVED AT THE PLACE DESIGNATED	FOR THE RECEIPT OF OFFERS I	PRIOR TO THE H	OUR AND DATE SPECIFIED MA	AY RESULT IN	N REJECTION	OF
	OFFER. If by virtue of this amendment r makes reference to the solicitation and				n or letter, prov	vided each tele	gram
12. AC	CCOUNTING AND APPROPRIATION D. Net obligation: \$729,083.4	ATA (If required)					
<u></u> '	13. THIS ITEM APPLIES ONLY TO M		RDERS,IT MODI	FIES THE CONTRACT/ORDER	NO. AS DESC	RIBED IN ITEM	M 14.
	A. THIS CHANGE ORDER IS ISSUE	D PURSUANT TO: (Specify authorit	ty) THE CHANGE	S SET FORTH IN ITEM 14 ARE	MADE IN THE		
	CONTRACT ORDER NO. IN ITEM 10	A.					
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				as changes in	paying office,	
-	C. THIS SUPPLEMENTAL AGREEM	· · · · · · · · · · · · · · · · · · ·					
X	d. OTHER (Specify type of modification of Funding Cl						
	Re I	not, is required to sign	this document an	d return	conies to the	issuing office	
	escription of amendment/modification (O						
14. uc	sopplion of amonames in mountained for	gariles by our committee and	ioraamig oomoname	The orthogonal of the second o	345,575.,		
The	purpose of this modificat	ion is to obligate and de	eobligate fu	nds on the contract.			
15A I	NAME AND TITLE OF SIGNER (Type or	r print)	16A. NAME	AND TITLE OF CONTRACTING	OFFICER (Tv	pe or print)	
1,771.		E A		exander, Contracting Office		F F	
	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITE	D STATES OF AMERICA	11	6C. DATE SIG	NED
CONT	RACTOR/OFFEROR						

ВΥ

Original Signed by:

(Signature of Contracting Officer)

8/25/2005

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is **\$123,113,751.49.** This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **September 22, 2005**.
  - (b) An additional amount of \$6,441,414.41 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 18	Obligation This Modification 19	Revised Cumulative Obligation
Total Cost	\$122,402,690.95	\$711,060.54	\$123,113,751.49
Fee	\$6,423,391.47	\$18,022.94	\$6,441,414.41
Total	\$128,826,082.42	\$729,083.48	\$129,555,165.90

ligations:			Deobligations:		
PR	Amount	Org	PLI/ALI	WBS	Amount
4200128742	\$2,664,679.05		132/20	None	\$188,000.0
			142/90	None	\$8,179.
			142/80	None	\$406,821.
			142/100	None	\$200,000.
			128/590	72-336-31-01-06	\$349,999.
			125/870	72-336-36-02-54	\$590.
			94/100	72-336-34-02-VI	\$9,333.
			94/120	72-336-34-04-AA	\$1,333.
			94/130	72-336-34-05-PC	\$28,333.
			94/250	72-376-70-10-CW	\$6,980.
			122/360	72-336-34-02-VI	\$410.
			122/370	72-336-34-02-QD	\$43,308.
			122/390	72-336-34-05-PC	\$2,747.
			122/400	72-336-34-02-02	\$4,887.
-			122/450	72-336-34-04-AA	\$9,999.
			122/480	72-376-70-10-47	\$28,500.
			122/490	72-376-70-10-14	\$41,284.
			122/500	72-376-70-10-21	\$23,999.
			122/530	72-376-70-10-CH	\$56,021.
			122/590	72-376-70-10-19	\$5,510.
			122/600	72-377-10-13-12	\$1,896.
			122/610	72-336-34-02-SV	\$184,573.
-			134/190	72-336-34-02-CA	\$24,460.
			134/200	72-376-70-10-CW	\$55,799.
			134/210	72-336-34-02-QD	\$18,499.
			134/280	72-336-38-08-95	\$6,464.
			134/310	72-376-70-10-21	\$16,599.
			134/330	72-376-70-10-47	\$8,559.
			134/360	72-376-70-10-CV	\$26,865.
			134/370	72-376-70-10-FC	\$25,301.
			134/450	72-617-03-08-AA	\$28,000.
			54/10	72-336-33-11-M1	\$63,840.
			144/430	72-376-70-30-RR	\$58,500.
TOTAL	\$2,664,679.05			TOTAL	\$1,935,595.
	. , , , ,				
			Net Change		
			Obligations		\$2,664,679.
			Deobligations		\$1,935,595.
				TOTAL	\$729,083.4

				OME	3 APPRO	VAL #: 2700-0042
	AMENDMENT O MODIFICATION OF COM	F SOLICITATION/ NTRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AME	NDMENT/MODIFICATION NO. 14	3. EFFECTIVE DATE See Block 16c	4. REQUISIT	ION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)
6. ISSU	ED BY CODE	BH2/JEI	7. ADMINIS	ERED BY (If other than Item 6)	CODE	
Attn: 2101	NJohnson Space Center BH2/Susan L. Stefanovid NASA Parkway ton, TX 77058		- <b>-</b>			
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)			
Attn: 2224	drup Technology, Inc. Mr. Paul Spickard, Contr Bay Area Boulevard, Sui ton, TX 77058	_				
CODE	348M3		FACILITY CO	DDE	·	
(x)	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED	(SEE ITEM 11)		
Х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	ORDER NO.	10B. DATE	O (SEE ITEM 13)  December	17, 2004	
Offers n  (a) By consubmitted BE RECOYOUR Consumption 12. ACC	te above numbered solicitation is amended to the amendment acknowledge receipt of this amendment acknowledge receipt of this amendment of the amendment of the acknowledge of the acknowledge of the acknowledge of the amendment of the acknowledge of the solicitation and the acknowledge of the solicitation and acknowledge of the solicitation acknowledge of the solicitation and acknowledge of the solicitation and acknowledge of the solicitation ackno	copies of the amendment; (by copies of the amendment; (by chich includes a reference to the soling FOR THE RECEIPT OF OFFERS Prou desire to change an offer already this amendment, and is received price (TA (If required))	ied in the solicitation  By acknowledge  citation and ame  RIOR TO THE H  submitted, such	tion or as amended, by one of the ing receipt of this amendment on ndment numbers. FAILURE OF Y OUR AND DATE SPECIFIED M change may be made by telegran	each copy of YOUR ACKNO	the offor DWLEDGEMENT TO N REJECTION OF
	let obligation : <b>\$13,455,376</b>	5.10 B. THIS ITEM APPLIES ONLY TO M	ODIFICATIONS	OF CONTRACTS/ORDERS,		<del></del>
(X)	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10A			•	MADE IN THE	====
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				as changes in	paying office,
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUAN	TO AUTHORIT	Y OF:		
X	d. OTHER (Specify type of modification Limitation of Funding Cla					
E. IMP	ORTANT: Contractor X is n	ot, is required to sign t	nis document and	d return	copies to the	issuing office
14. des	scription of amendment/modification (Org	ganized by UCF section headings, in	cluding solicitatio	n/contract subject matter where fe	easible.)	
The	purpose of this modification	on is to obligate funds o	on the cont	ract.		
15A. N	AME AND TITLE OF SIGNER (Type or	print)		AND TITLE OF CONTRACTING Oxander, Contracting O		ype or print)
	ONTRACTOR/OFFEROR15B. RACTOR/OFFEROR	15C. DATE SIGNED	ВҮ	D STATES OF AMERICA  Signature of Contracting Officer)	1	6C. DATE SIGNED
	(Signature of person authorized to sign)	1	1 (	Signature of Contracting Officer)		

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$19,238,845.64This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **August 23, 2005**.
  - (b) An additional amount of \$1,119,721.18 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 11	Obligation This Modification 14	Revised Cumulative Obligation
Total Cost	\$6,523,515.23	\$13,122,759.20	\$19,646,274.43
Fee	<u>\$379,675.49</u>	<u>\$332,616.90</u>	<u>\$ 712,292.39</u>
Total	\$6,903,190.72	\$13,455,376.10	\$20,358,566.82

Obligations:			Deobligatio	ons:		
PR	Amount	Org	PLI/ALI	WBS	Amount	Org
4200121840	\$9,446,409.13	EA	102/10	72-376-70-10-05	\$7,000.00	EĞ
4200122252	\$4,102,609.97	EA	122/820	72-300-10-40-01	\$86,643.00	EC
TOTAL		\$13,549,019.10		TOTAL	\$93,643.00	

Net Change		
Obligations		\$13,549,019.10
Deobligations		\$93,643.00
	TOTAL	\$13,455,376,10

					OME	APPRO	VAL #: 27	700-0042
MODI	AMENDMENT FICATION OF CO			)F	1. CONTRACT ID CODE		PAGE OF	PAGES 2
2. AMENDMENT/MO	ODIFICATION NO.	3. EFFECTI See	IVE DATE Block 16c	4. REQUISIT	ION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If appl	licable)
6. ISSUED BY	CODE	E	BH2/JEI	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
	on Space Cente	r		_				<del></del>
	usan L. Stefanov	/ic						
2101 NASA F Houston, TX	•							
——————			· · · · · · · · · · · · · · · · · · ·					
8. NAME AND ADD	RESS OF CONTRACTO	R (No., street, co	ounty, State, and Zip Co	ode)				
Sverdrup Ted	chnology, Inc.							
	ul Spickard, Con		nager					
•	ea Boulevard, Si	uite 200						
Houston, TX								
CODE 348M				FACILITY CO	*******			<del></del>
() 9A. AMEN	DMENT OF SOLICITATION	JN NO.		96. DATED	(SEE ITEM 11)			
	IFICATION OF CONTRACT	OT/ORDER NO.		10B. DATED	(SEE ITEM 13)  December	17, 2004		
	11.	THIS ITEM C	NLY APPLIES TO	O AMENDME	NTS OF SOLICITATION	S		
	nbered solicitation is ame ledge receipt of this amen				d for receipt of Offers tion or as amended, by one of the	is extended, following me	_	extended.
	ems 8 and 15, and returnir separate letter or telegran				ng receipt of this amendment on adment numbers. FAILURE OF Y			NT TO
					OUR AND DATE SPECIFIED MA			
-	ence to the solicitation an	-	-		change may be made by telegram your and date specified.	or letter, pro	vided each tele	gram 
	and appropriation tation: \$2,440,287		1)					
			OF CONTRACTS/OR	DERS,IT MODIF	IES THE CONTRACT/ORDER N	IO. AS DESC	CRIBED IN ITE	M 14.
	HANGE ORDER IS ISSUI T ORDER NO. IN ITEM 1		TO: (Specify authority	THE CHANGES	S SET FORTH IN ITEM 14 ARE N	MADE IN THE	=	
1	OVE NUMBERED CONT on date, etc.) SET FORTH				NISTRATIVE CHANGES (such a IR 43.103(b).	is changes in	paying office,	
C. THIS S	UPPLEMENTAL AGREEN	MENT IS ENTER	RED INTO PURSUANT	TO AUTHORIT	OF:			
d. OTHER	(Specify type of modificat	tion and authority						
X Limitati	on of Funding C	lause (FAF	R 52.232-22)		. 1 W 4 A		7	
E. IMPORTANT: C	ontractor X is	not,	is required to sign th	is document and	return	copies to the	issuing office	
14. description of ar	nendment/modification (C	rganized by UCI	F section headings, inc	luding solicitation	/contract subject matter where fe	asible.)	· · · · · ·	
The purpose	of this modificat	tion is to ol	bligate funds c	n the cont	ract.			
15A. NAME AND T	ITLE OF SIGNER (Type o	or print)			AND TITLE OF CONTRACTING		/pe or print)	
			<del></del>	Timothy A	A. Boyes, Contracting C	fficer		
15B. CONTRACTO CONTRACTOR/OF		150	C. DATE SIGNED	16B. UNITED	STATES OF AMERICA	1	6C. DATE SIG	NED
				BY			7/25/	<b>'</b> 05
(Signature o	of person authorized to sign)			(5	ignature of Contracting Officer)			

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$109,715,613.01. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **August 26, 2005**.
  - (b) An additional amount of \$6,101,817.59 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 14	Obligation This Modification 16	Revised Cumulative Obligation
Total Cost	\$107,335,649.11	\$2,379,963.90	\$109,715,613.01
Fee	<u>\$6,041,493.68</u>	<u>\$60,323.91</u>	<u>\$6,101,817.59</u>
Total	\$113,377,142.79	\$2,440,287.81	\$115,817,430.60

Obligations:			Deobligation	ons:		
<b>PR</b> 4200122663	<b>Amount</b> \$2,450,292.10	<b>Org</b> EA	<b>PLI/ALI</b> 28/260 128/580	<b>WBS</b> 72-376-70-30-AS 72-104-07-05-02	<b>Amount</b> \$10,000.00 \$4.29	Org EV ES
TOTAL		\$2,450,292.10	-	TOTAL	\$10,004.29	

Net Change		
Obligations		\$2,450,292.10
Deobligations		\$10,004.29
	TOTAL	\$2,440,287.81

				OME	APPRO	DVAL #: 27	00-0042
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT AMENDMENT OF				1. CONTRACT ID CODE		PAGE OF I	
2. AMENDMENT/MODIFICATION NO.		ECTIVE DATE		ITION/PURCHASE REQ. NO.	5. PROJE	ECT NO. (If applie	2 cable)
17	I .	See Block 16c					
6. ISSUED BY CODE		BH2/JEI	7. ADMINIS	STERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Cente	r					L	
Attn: BH2/Susan L. Stefanov	<b>∕</b> ic						
2101 NASA Parkway							
Houston, TX 77058				<i>.</i> •			
8. NAME AND ADDRESS OF CONTRACTOR	R (No., stre	et, county, State, and Zip C	ode)				
Sverdrup Technology, Inc.							
Attn: Mr. Paul Spickard, Con	itracts I	Manager					
2224 Bay Area Boulevard, So		_					
Houston, TX 77058							
CODE 348M3			FACILITY C	CODE		<del></del>	
() 9A. AMENDMENT OF SOLICITATION	ON NO.		9B. DATED	) (SEE ITEM 11)		· · · ·	
AND MODIFICATION OF CONTRA		-	100 0175	D (055 ITS) (40)			
X NNJ05HI05C	JI/OHDER	NO.	10B. DATE	D (SEE ITEM 13)  December 1	17, 2004	4	
	THIS ITE	M ONLY APPLIES T	O AMENDN	ENTS OF SOLICITATIONS	· · · · · · · · · · · · · · · · · · ·		
The above numbered solicitation is ame					is extended		extended.
Offers must acknowledge receipt of this amen	dment prior	to the hour and date specif	ied in the solicit	ation or as amended, by one of the	following m	ethods:	
(a) By completing Items 8 and 15, and returning				ging receipt of this amendment on			
submitted; or (c) By separate letter or telegran BE RECEIVED AT THE PLACE DESIGNATE							
YOUR OFFER. If by virtue of this amendmen	t you desire	to change an offer already	submitted, such	n change may be made by telegram			
or letter makes reference to the solicitation and 12. ACCOUNTING AND APPROPRIATION D	DATA (If red		r to the opening	hour and date specified.			
Net obligation : \$104,995.8		TONG OF CONTRACTORS	DEDO IT NOO	IEIEO TI IE OOLITO LOTIODOED L	10 10 050		
13. THIS ITEM APPLIES ONLY TO M	//ODIFICAT	IONS OF CONTRACTS/OF	RDEHS,II MOD	IFIES THE CONTRACT/ORDER N	IO. AS DES	CRIBED IN ITEM	l 14.
A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 1		IANT TO: (Specify authority	) THE CHANG	ES SET FORTH IN ITEM 14 ARE I	MADE IN TH	IE	
B. THE ABOVE NUMBERED CONT		DER IS MODIFIED TO BEE	LECT THE ADI	MINISTRATIVE CHANGES (such a	e changes i	n naving office	
appropriation date, etc.) SET FORTH					is changes i	ii paying once,	
C. THIS SUPPLEMENTAL AGREEM	MENT IS EI	NTERED INTO PURSUANT	TO AUTHORI	TY OF:			
d. OTHER (Specify type of modifical X Limitation of Funding C							
	s not,	is required to sign th	nis document ar	nd return	conies to th	e issuing office	<del></del>
14. description of amendment/modification (C		<u></u>	· · · · · · · · · · · · · · · · · · ·	<del></del>	·		
14. description of amendment/modification (C	nganizeu D	y OOF Section Headings, Inc	adding solicitati	orreonitaet subject matter where re	asible.)		
The purpose of this modification	tion is t	o obligate funds c	on the con	tract and correct Modi	fication	14.	
15A. NAME AND TITLE OF SIGNER (Type of	or print)		164 NAME	E AND TITLE OF CONTRACTING	OFFICER (1	Tuno or print)	
15A. NAME AND TITLE OF SIGNER (Type C	ж рин)			Stefanovic, Contracting	•	ype or print)	
15B. CONTRACTOR/OFFEROR15B.		15C. DATE SIGNED		ED STATES OF AMERICA		16C. DATE SIGN	
CONTRACTOR/OFFEROR			BY				
	l BA						

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$109,818,013.31. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **August 26, 2005**.
  - (b) An additional amount of \$6,104,413.09 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 16	Obligation This Modification 17	Revised Cumulative Obligation
Total Cost	\$109,715,613.01	\$102,400.30	\$109,818,013.31
Fee	\$6,101,817.5 <u>9</u>	<u>\$2,595.50</u>	<u>\$6,104,413.09</u>
Total	\$115,817,430.60	\$104,995.80	\$115,922,426.40

PR	Amount	Org
4200124276	\$104,995.80	EΑ

- 3. Modification 14 is revised to correct the obligation amounts stated in the modification. A replacement Page 2 is attached to this modification. The changes are described below:
  - (a) Paragraph 1, B.4, subparagraph (a), the total amount allotted to the contact is changed from \$19,646,274.43 to \$107,335,649.11. Subparagraph (b), the amount obligated for payment of fee is changed from \$712,292.39 to \$6,041,493.68.
  - (b) Paragraph 2, Funding Recapitulation is changed to correct the obligations through Modification 11 and the revised cumulative obligation.

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$107,335,649.11. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through August 23, 2005.
  - (b) An additional amount of \$6,041,493.68 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 11	Obligation This Modification 14	Revised Cumulative Obligation
Total Cost	\$94,212,889.91	\$13,122,759.20	\$107,335,649.11
Fee	\$5,708,876.78	<u>\$332,616.90</u>	<u>\$6,041,493.68</u>
Total	\$99,921,766.69	\$13,455,376.10	\$113,377,142.79

Obligations:			Deobligations	):		
PR	Amount	Org	PLI/ALI	<b>WBS</b> 72-376-70-	Amount	Org
4200121840	\$9,446,409.13	EA	102/10	10-D5 72-300-10-	\$7,000.00	EG
4200122252	\$4,102,609.97	EA	122/820	40-01	\$86,643.00	EC
TOTAL	\$13,549,019.10		_	TOTAL	\$93,643.00	
			Net Change			
			Obligations		\$13,549,019.10	
			Deobligations	_	\$93,643.00	
				TOTAL	\$13,455,376.10	

					OME	3 APPRO	VAL #: 2700-0042
	AMENDMENT ( MODIFICATION OF CO			)F	CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AME	NDMENT/MODIFICATION NO. 14		ECTIVE DATE See Block 16c	4. REQUIS	ITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)
6. ISSU	JED BY CODE		BH2/JEI	7. ADMINIS	STERED BY (If other than Item 6)	CODE	
NAS	A/Johnson Space Center	·	<i>D.</i> 12.0 a				
	BH2/Susan L. Stefanov						
2101	NASA Parkway						
Hous	ston, TX 77058						
8. NAM	ME AND ADDRESS OF CONTRACTOR	(No., stre	et, county, State, and Zip C	ode)			100
Sver	drup Technology, Inc.						
	Mr. Paul Spickard, Cont	tracts N	Manager				
	Bay Area Boulevard, Su	ite 200	)				
Hous	ston, TX 77058						
CODE	348M3			FACILITY (	CODE		
(x)	9A. AMENDMENT OF SOLICITATIO	N NO.		9B. DATE	) (SEE ITEM 11)		
X	10A. MODIFICATION OF CONTRAC NNJ05HI05C	T/ORDER	NO.	10B. DATE	December	17, 2004	
					ENTS OF SOLICITATION	S	
	he above numbered solicitation is amen must acknowledge receipt of this amend					is extended,	is not extended.
Offers	thust acknowledge receipt of this americ		to the floor and date specif	ica in the solio	ation of as afficiliaca, by one of the	, tollowing me	
	completing Items 8 and 15, and returning ed; or (c) By separate letter or telegram				ging receipt of this amendment on		
BE RE	CEIVED AT THE PLACE DESIGNATED	FOR THE	E RECEIPT OF OFFERS P.	RIOR TO THE	HOUR AND DATE SPECIFIED MA	AY RESULT II	N REJECTION OF
	OFFER. If by virtue of this amendment					n or letter, pro	vided each telegram
12. AC	r makes reference to the solicitation and COUNTING AND APPROPRIATION D	ATA (If red		r to the opening	g nour and date specified.		
	Net obligation : <b>\$13,455,37</b>		TEM APPLIES ONLY TO M	ODIFICATIONS	S OF CONTRACTS/ORDERS,		
		IT MODIF	IES THE CONTRACT/ORD	ER NO. AS DE	SCRIBED IN ITEM 14.(x) (x)		
(x)	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10		ANT TO: (Specify authority	) THE CHANG	ES SET FORTH IN ITEM 14 ARE	MADE IN THE	<u> </u>
	B. THE ABOVE NUMBERED CONTI appropriation date, etc.) SET FORTH					as changes in	paying office,
	C. THIS SUPPLEMENTAL AGREEN	IENT IS EI	NTERED INTO PURSUANT	TO AUTHOR	TY OF:		
***	d. OTHER (Specify type of modification				<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		···
<u>X</u>	Limitation of Funding C	ause (	FAR 52.232-22)		<del></del>		
E. IMF	PORTANT: Contractor X is	not,	is required to sign the	nis document a	nd return	copies to the	issuing office
14. de	scription of amendment/modification (O	rganized b	y UCF section headings, inc	cluding solicitat	on/contract subject matter where fe	easible.)	
The	purpose of this modificat	ion is t	o obligate funds o	on the cor	itract.		
1116	purpose of this mountain	1011 10 1	o obligato rando e	,,, and doi	ili aoi.		
15A. I	NAME AND TITLE OF SIGNER (Type o	r print)		<b>I</b>	E AND TITLE OF CONTRACTING		ype or print)
	4 -T-17		T		lexander, Contracting O		
	CONTRACTOR/OFFEROR15B. RACTOR/OFFEROR		15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	1	I6C. DATE SIGNED
33111				BY			
-	(Signature of person authorized to sign)				(Signature of Contracting Officer)	— I	

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$19,646,274.43This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **August 23, 2005**.
  - (b) An additional amount of \$712,292.39 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 11	Obligation This Modification 14	Revised Cumulative Obligation
Total Cost	\$6,523,515.23	\$13,122,759.20	\$19,646,274.43
Fee	<u>\$379,675.49</u>	<b>\$332,616.90</b>	<u>\$712,292.39</u>
Total	\$6,903,190.72	\$13,455,376.10	\$20,358,566.82

Obligations:			Deobligation	ons:		
PR	Amount	Org	PLI/ALI	WBS	Amount	Org
4200121840	\$9,446,409.13	EA	102/10	72-376-70-10-05	\$7,000.00	EG
4200122252	\$4,102,609.97	EA	122/820	72-300-10-40-01	\$86,643.00	EC
TOTAL		\$13,549,019.10		TOTAL	\$93,643.00	

Net Change		
Obligations		\$13,549,019.10
Deobligations		\$93,643.00
	TOTAL	\$13,455,376.10

					OMI	APPRO	VAL.#: 27	00-0042
	AMENDMENT				1. CONTRACT ID CODE		PAGE OF	
	MODIFICATION OF C			<del></del>	<u> </u>	T		2
2. AMEN	NDMENT/MODIFICATION NO.  11		ECTIVE DATE See Block 16c	4. REQUISI	FION/PURCHASE RÉQ. NO.	5. PROJEC	CT NO. (If appli	icable)
6. ISSU	ED BY CODE		BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA	VJohnson Space Cente	er		<del></del> -				
	BH2/Susan L. Stefano	vic						
	NASA Parkway							
Hous	ton, TX 77058							
8. NAMI	E AND ADDRESS OF CONTRACTO	R (No., str	eet, county, State, and Zip C	Code)				
Sverd	drup Technology, Inc.							
	Mr. Paul Spickard, Col	ntracts	Manager					
2224	Bay Area Boulevard, S	uite 20	0					
Hous	ton, TX 77058							
CODE	348M3			FACILITY CO	DDE			
(x)	9A. AMENDMENT OF SOLICITATI	ON NO.	· · · · · · · · · · · · · · · · · · ·	9B. DATED	(SEE ITEM 11)			
Х	10A. MODIFICATION OF CONTRA NNJ05HI05C	CT/ORDEF	R NO.	10B. DATE	December	17, 2004		
	11.	THIS ITE	M ONLY APPLIES T	O AMENDMI	ENTS OF SOLICITATION	S		
_	e above numbered solicitation is amo					is extended,		extended.
Offers m	nust acknowledge receipt of this ame	ndment pric	r to the hour and date speci	fied in the solicita	ition or as amended, by one of the	e following met	hods:	
(a) By co	ompleting Items 8 and 15, and return	ng 🔲	copies of the amendment; (b	) Bγ acknowledg	ing receipt of this amendment on	each copy of t	he offor	
	ed; or (c) By separate letter or telegra EIVED AT THE PLACE DESIGNATI							
	OFFER. If by virtue of this amendmen							
	makes reference to the solicitation a	•	• •			.,		<u> </u>
12. ACC	COUNTING AND APPROPRIATION let obligation: \$6,903,19	DATA (If re <b>0.72</b>	quired)					
	iot obligation : \$40,000 jie	13. THIS			OF CONTRACTS/ORDERS, SCRIBED IN ITEM 14.(x) (x)			
(x)	A. THIS CHANGE ORDER IS ISSU CONTRACT ORDER NO. IN ITEM	ED PURSI				MADE IN THE		
	B. THE ABOVE NUMBERED CON appropriation date, etc.) SET FORT					as changes in p	paying office,	
	C. THIS SUPPLEMENTAL AGREE	MENT IS E	NTERED INTO PURSUAN	T TO AUTHORIT	Y OF:			
X	d. OTHER (Specify type of modifical Limitation of Funding Control							
E. IMPO	ORTANT: Contractor	s not,	is required to sign the	his document and	d return 3	copies to the	issuing office	
14. des	cription of amendment/modification (	Organized I	oy UCF section headings, inc	cluding solicitatio	n/contract subject matter where fe	easible.)		-
<del></del> .	7 11 2 12 12 12 12 12 12 12 12 12 12 12 1							
i ne p	ourpose of this modifica	tion is	to obligate funds o	on the cont	ract.			
45	AME AND TITLE OF CLOSED (T			464 1411	AND TITLE OF CONTRACTIVE	OFFICER (T		
15A. N.	AME AND TITLE OF SIGNER <i>(Type</i>	or print)			AND TITLE OF CONTRACTING Stefanovic, Contracting		ρ <del>υ</del> οι pπnt)	
15B. C	ONTRACTOR/OFFEROR15B.		15C. DATE SIGNED		D STATES OF AMERICA	<del>-</del>	SC. DATE SIG	NED
	RACTOR/OFFEROR							
_				ВҮ				
	(Signature of person authorized to sign	)	1	(	Signature of Contracting Officer)			

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$94,212,889.91This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through August 6, 2005.
  - (b) An additional amount of \$5,708,876.78 is obligated under this contract for payment of fee.

(End of clause)

	Obligations Thru Modification 10	Obligation This Modification 11	Revised Cumulative Obligation
Total Cost	\$87,689,374.68	\$6,523,515.23	\$94,212,889.91
Fee	\$5,329,201.29	<b>\$379,675.49</b>	<u>\$5,708,876.78</u>
Total	\$93,018,575.97	\$6,903,190.72	\$99,921,766.69

Obligations:		· · · · · · · · · · · · · · · · · · ·	Deobligation	ons:		
<b>PR</b> 4200119065	<b>Amount</b> \$7,599,912.59	<b>Org</b> EA	<b>PLI/ALI</b> 122/870 125/680	<b>WBS</b> 72-131-50-20-22 72-376-70-10-28	<b>Amount</b> \$670,106.00 \$26,615.87	Org EC ES
TOTAL	\$7,599,912.59			TOTAL	\$696,721.87	

Net Change		
Obligations		\$7,599,912.59
Deobligations		\$696,721.87
	TOTAL	\$6,903,190.72

OMB APPROVAL #:						/00-0042
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT AMENDMENT OF			1. CONTRACT ID CODE		PAGE OF	PAGES 2
	FFECTIVE DATE See Block 16c		IION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If appl	
6. ISSUED BY CODE	BH2/JEI	7. ADMINIST	ERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Center		J		L		
Attn: BH2/Susan L. Stefanovic						
2101 NASA Parkway						
Houston, TX 77058			. 15 18			
8. NAME AND ADDRESS OF CONTRACTOR (No., s	treet, county, State, and Zip Co	ode)				
Sverdrup Technology, Inc. Attn: Mr. Paul Spickard, Contracts 2224 Bay Area Boulevard, Suite 2 Houston, TX 77058	_					
CODE 348M3		FACILITY CO	DE			
9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (	SEE ITEM 11)			
X NNJ05HI05C	ER NO.	10B. DATED	(SEE ITEM 13)  December	17, 2004		
The above numbered solicitation is amended as Offers must acknowledge receipt of this amendment process.  (a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram which is BE RECEIVED AT THE PLACE DESIGNATED FOR TYOUR OFFER. If by virtue of this amendment you desor letter makes reference to the solicitation and this amendment.	set forth in Item 14. The hour a rior to the hour and date specific copies of the amendment; (b) notudes a reference to the solic THE RECEIPT OF OFFERS Prior to change an offer already s	and date specified ed in the solicitat By acknowledgin itation and amen RIOR TO THE HO submitted, such c	ion or as amended, by one of the ng receipt of this amendment on dment numbers. FAILURE OF Y DUR AND DATE SPECIFIED Me thange may be made by telegrar	is extended, e following meth each copy of th YOUR ACKNOW AY RESULT IN	nods: ne offor WLEDGEMEN REJECTION	OF
12. ACCOUNTING AND APPROPRIATION DATA (If Net obligation: \$23,151,210.08		to the opening h	our and date specified.			
	SITEM APPLIES ONLY TO MO DIFIES THE CONTRACT/ORD		,			
(x) A. THIS CHANGE ORDER IS ISSUED PUR: CONTRACT ORDER NO. IN ITEM 10A.				MADE IN THE		
B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITEM				as changes in p	aying office,	
C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORITY	OF:			
d. OTHER (Specify type of modification and Limitation of Funding Clause						
E. IMPORTANT: Contractor X is not,	is required to sign th	is document and	return 3	copies to the is	ssuing office	
14. description of amendment/modification (Organized	d by UCF section headings, inc	luding solicitation	/contract subject matter where fe	easible.)		
The purpose of this modification is	to obligate funds o	n the contr	act.	·		
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME A	AND TITLE OF CONTRACTING	OFFICER (Typ	e or print)	
, , , , , , , , , , , , , , , , , , , ,		i i	Stefanovic, Contracting		,,	
15B. CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITED	STATES OF AMERICA	16	C. DATE SIG	NED
CONTRACTOR/OFFEROR		BY				
(Signature of person authorized to sign)		(S	ignature of Contracting Officer)			

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$87,689,374.68 This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through July 28, 2005.
  - (b) An additional amount of \$5,329,201.29 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations Thru Modification 7	Obligation This Modification 10	Revised Cumulative Obligation
Total Cost	\$65,811,481.15	\$21,877,893.53	\$87,689,374.68
Fee	<u>\$4,055,884.74</u>	<u>\$1,273,316.55</u>	<u>\$5,329,201.29</u>
Total	\$69,867,365.89	\$23,151,210.08	\$93,018,575.97

Obligations:			Deobligation	ons:	•	
PR	Amount	Org	PLI/ALI	<b>WBS</b> 72-337-41-	Amount	Org
4200118026 4200111769 4200118441	\$11,765,528.49 \$200,000.00 \$11,241,972.21	EA OD EA	103/180	18-EA	\$56,290.62	ER
TOTAL	\$23,207,500.70			TOTAL	\$56,290.62	

Net Change			
Obligations		\$23,207,500.70	
Deobligations		\$56,290.62	
	TOTAL	\$23,151,210.08	

				OME	3 APPRO	VAL #: 2700-0042
		OF SOLICITATION/ NTRACT AMENDMENT (	)F	1. CONTRACT ID CODE		PAGE OF PAGES  1 2
2. AME	ENDMENT/MODIFICATION NO.  9	3. EFFECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
6. ISSI	JED BY CODE	BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE	
Attn: 2101	A/Johnson Space Center BH2/Susan L. Stefanovi NASA Parkway ston, TX 77058	С		.vq	. 4	
Sver Attn: 2224 Hous	drup Technology, Inc. Mr. Paul Spickard, Cont. Bay Area Boulevard, Suiston, TX 77058	racts Manager				
CODE	348M3	ING	FACILITY C	· · · · · · · · · · · · · · · · · · ·		
(x)_	9A. AMENDMENT OF SOLICITATION	INO.	9B. DATED	(SEE ITEM 11)		
Х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	ORDER NO.	10B. DATE	D (SEE ITEM 13)  December	17, 2004	
(a) By of submitted submit	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10/10/15.  B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I.  C. THIS SUPPLEMENTAL AGREEME FAR 52.243-2, Changes  d. OTHER (Specify type of modification)	copies of the amendment; (b) which includes a reference to the solid FOR THE RECEIPT OF OFFERS PI ou desire to change an offer already sthis amendment, and is received prior (TA (If required))  3. THIS ITEM APPLIES ONLY TO MOT MODIFIES THE CONTRACT/ORD DEPURSUANT TO: (Specify authority A.  ACT/ORDER IS MODIFIED TO REFINITEM 14, PURSUANT TO THE AUTHORY IN THE AUTHORY IN THE AUTHORY IN THE AUTHORY IN THE SENTERED INTO PURSUANT — Cost-Reimbursemen and authority)	By acknowledge citation and ame RIOR TO THE Foundation of the submitted, such to the opening DDIFICATIONS ER NO. AS DESTREE THE ADMITTED TO AUTHORITY OF FOUNDATION (AIT II) (AIT II)	ging receipt of this amendment on endment numbers. FAILURE OF YHOUR AND DATE SPECIFIED MACHAIRE MAY Change may be made by telegram hour and date specified.  OF CONTRACTS/ORDERS, SCRIBED IN ITEM 14.(x) (x) ITEM 14. ARE IN INISTRATIVE CHANGES (such a AR 43.103(b).  TY OF:  AIT V)	e following met each copy of t YOUR ACKNO AY RESULT IN n or letter, prov	he offor WLEDGEMENT TO I REJECTION OF rided each telegram paying office,
14. de	purpose of this modification	ganized by UCF section headings, inc	luding solicitatio	on/contract subject matter where fe	•	
15A. N	NAME AND TITLE OF SIGNER (Type or	print)		AND TITLE OF CONTRACTING Stefanovic, Contracting		pe or print)
15B. C	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	BY	D STATES OF AMERICA	16	SC. DATE SIGNED
<u> </u>	(Signature of person authorized to sign)			Signature of Contracting Officer)		30/05
1	540-01-152-8070 OUS EDITION UNUSABLE	30-105			STANDA	RD FORM 30 (Rev. 10-83) Prescribed by GSA

1. The following paragraph is added to Section C, Statement of Work (SOW), Part 2, Indefinite Delivery Indefinite Quantity (IDIQ) Requirements:

#### 2.6 PAYLOAD AND RESEARCH INTEGRATION SERVICES

The contractor shall provide payload and research integration products and services associated with the International Space Station (ISS) which include: strategic-level research planning; tactical-level planning and payload manifesting; and execution-level planning and implementation through console operations and documentation of ISS payload mission accomplishments. The contractor shall produce promotional and educational products related to ISS payloads and research.

2. This change is made at no additional cost to the Government or increase in contract value.

		· · · · · · · · · · · · · · · · · · ·	C	MB APPROVAL #: 2700-0042
		OF SOLICITATION/ NTRACT AMENDMENT (	1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AME	NDMENT/MODIFICATION NO.  8	3. EFFECTIVE DATE See Block 16c	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSL	JED BY CODE	BH2/JEI	7. ADMINISTERED BY (If other than Item	n 6) CODE
Attn: 2101	A/Johnson Space Center BH2/Susan L. Stefanovi NASA Parkway ston, TX 77058	c		
8. NAN	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)	
Attn: 2224	drup Technology, Inc. Ms. Michele Katz, Busin Bay Area Boulevard, 4E ston, TX 77058	<u> </u>		
CODE	348M3		FACILITY CODE	
(x)	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATED (SEE ITEM 11)	
Х	10A. MODIFICATION OF CONTRACT NNJ05HI05C	ORDER NO.	10B. DATED (SEE ITEM 13)  Decemb	er 17, 2004
YOUR or lette	OFFER. If by virtue of this amendment yr makes reference to the solicitation and CCOUNTING AND APPROPRIATION DATE:  A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10.  B. THE ABOVE NUMBERED CONTRACT ORDER (C.) SET FORTH ITEM 10.  C. THIS SUPPLEMENTAL AGREEMING.	rou desire to change an offer already this amendment, and is received pric ATA (If required)  3. THIS ITEM APPLIES ONLY TO N T MODIFIES THE CONTRACT/ORE D PURSUANT TO: (Specify authorit A. ACT/ORDER IS MODIFIED TO REF N ITEM 14, PURSUANT TO THE AL ENT IS ENTERED INTO PURSUAN	ODIFICATIONS OF CONTRACTS/ORDERS, DER NO. AS DESCRIBED IN ITEM 14.(x) (x)  1) THE CHANGES SET FORTH IN ITEM 14 A  LECT THE ADMINISTRATIVE CHANGES (S)  LITHORITY OF FAR 43.103(b).	egram or letter, provided each telegram , , ARE MADE IN THE
	d. OTHER (Specify type of modification	n and authority)		
14. de		ganized by UCF section headings, in	cluding solicitation/contract subject matter whe	
	purpose of this modification		ative changes to the contract  16A. NAME AND TITLE OF CONTRACT Susan L. Stefanovic, Contract	ING OFFICER (Type or print)
15B. 0	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
	(Signature of person authorized to sign)		(Signature of Contracting Office	
Ł .	'540-01-152-8070 IOUS EDITION UNUSABLE	30-105		STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA

1. Section G, Clauses G.4, Submission of Invoices, and G.5, Submission of Vouchers for Payment, are deleted in their entirety and replaced by the following:

# G.4 SUBMISSION OF INVOICES (Applicable only to Part 2.0 (IDIQ) fixed-price delivery orders issued)

Invoices for fixed-price task/delivery orders issued and phase-in for this contract shall be submitted to:

NASA Lyndon B. Johnson Space Center Attn: Mail Code **BH**, ESC Contracting Officer 2101 NASA Parkway Houston, TX 77058-3696

(End of clause)

- G.5 SUBMISSION OF VOUCHERS FOR PAYMENT (NFS 1852.216-87) (MAR 1998)
  (Applicable to cost reimbursement vouchers)
- (a) The designated billing office for cost vouchers for purposes of the Prompt Payment clause of this contract is indicated below. Public vouchers for payment of costs shall include a reference to the number of this contract.
- (b)(1)If the contractor is authorized to submit interim cost vouchers directly to the NASA paying office, they shall be prepared in accordance with paragraph (c) of this clause and submitted to:

LF231/Funding & Commercial Accounting Section NASA Johnson Space Center Houston, TX 77058-3696

- (2) For any period that the Defense Contract Audit Agency (DCAA) has authorized the Contractor to submit interim vouchers directly to the Government paying office, interim vouchers are not required to be sent to the Auditor, and are considered to be provisionally approved for payment, subject to final audit.
- (3) Copies of vouchers should be submitted as follows:
- (i) Copy 1 NASA BH, ESC Contracting Officer
- (ii) Copy 2 DCAA Auditor
- (iii) Copy 3 Contractor
- (iv) Copy 4 Contract Administration Office, if delegated
- (v) Copy 5 Project Manager
- (c) If the contractor is not authorized to submit interim cost vouchers directly to the paying office as described in paragraph (b), the contractor shall prepare and submit vouchers as follows:
- (1) One original Standard Form (SF) 1034, SF 1035, or equivalent Contractor's attachment to the cognizant DCAA office
- (2) Five copies of SF 1034A, SF 1035A, or equivalent Contractor's attachment to the following offices by insertion in the memorandum block of their names and addressees:
- (i) Copy 1 NASA BH, ESC Contracting Officer
- (ii) Copy 2 DCAA Auditor
- (iii) Copy 3 Contractor
- (iv) Copy 4 Contract Administration Office, if delegated
- (v) Copy 5 Project Manager

- (3) The Contracting Officer may designate other recipients as required.
- (d) Public vouchers for payment of fee shall be prepared similarly to the procedure in paragraph (c) of this clause, and be forwarded to:

NASA Lyndon B. Johnson Space Center Attn: Mail Code BH, ESC Contracting Officer 2101 NASA Parkway Houston, TX 77058-3696

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(e) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

#### (End of Clause)

- 2. The SF26, Block 12, is revised to correct the mail code from LF321 to LF231.
- 3. Special Contract Requirement H.11, NFS 1857.232-77, Limitation of Funds, NFS citation is changed from 1857.232-77 to 1852.232-77.
- 4. Section I.1, FAR 52.222-2, Payment for Overtime Premiums, add "Insert "zero" in paragraph (a)".
- 5. Section I.1, FAR 52.244-2, Subcontracts -

From:

52.244-2 AUG 1998

SUBCONTRACTS (ALTERNATE I) (AUG 1998)

Insert "none" in paragraph (e)

To:

52.244-2 AUG 1998

SUBCONTRACTS (ALTERNATE I) (AUG 1998)

Insert "none" in paragraph (e)

Insert to paragraph (k):

(Note: Exception does not include changes)

Barrios Technology, Inc. (Contract No.: BTI-NNJ05HI05-001)

ERC, Inc. (Contract No.: ERC-NNJ05HI05-001)

GeoControl Systems, Inc. (Contract No.: GSI-NNJ05HI05-001)

Hamilton Sundstrand Management Services, Inc. (Contract No.: HSI-

NNJ05HI05-001)

Muniz Engineering, Inc. (Contract No.: MEI-NNJ05HI05-001)

			OMI	3 APPRO	VAL #: 270	0-0042
	OF SOLICITATION/ NTRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF PA	AGES 2
2. AMENDMENT/MODIFICATION NO. 7	3. EFFECTIVE DATE See Block 16c		TION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applica	ıble)
6. ISSUED BY CODE	BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE		
NASA/Johnson Space Center		I		'		
Attn: BH2/Susan L. Stefanov	ic					
2101 NASA Parkway						
Houston, TX 77058						
8. NAME AND ADDRESS OF CONTRACTOR	R (No., street, county, State, and Zip C	Code)				
Sverdrup Technology, Inc.						
Attn: Mr. Paul Spickard, Con						
2224 Bay Area Boulevard, Su	ite 200					
Houston, TX 77058						
CODE 348M3		FACILITY O				
(X) 9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DATED	(SEE ITEM 11)			
X NNJ05HI05C	T/ORDER NO.	10B. DATE	D (SEE ITEM 13)  December	17, 2004		
	HIS ITEM ONLY APPLIES T					
The above numbered solicitation is amer Offers must acknowledge receipt of this amend				is extended, e following met	is not ext thods:	tended.
			ging receipt of this amendment on			
<ul><li>(a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram</li></ul>	which includes a reference to the sol	icitation and ame	ndment numbers. FAILURE OF	YOUR ACKNO	OWLEDGEMENT	то
BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment						
or letter makes reference to the solicitation and				n or letter, pro-	nded each telegi	
12. ACCOUNTING AND APPROPRIATION D Net obligation: \$14,969,628	ATA (If required)					
	13. THIS ITEM APPLIES ONLY TO M IT MODIFIES THE CONTRACT/ORD		· · · · · · · · · · · · · · · · · · ·			
(x) A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authorit			MADE IN THE		
B. THE ABOVE NUMBERED CONT appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REF IN ITEM 14, PURSUANT TO THE AL	FLECT THE ADM UTHORITY OF F	MINISTRATIVE CHANGES (such AR 43.103(b).	as changes in	paying office,	
C. THIS SUPPLEMENTAL AGREEM	MENT IS ENTERED INTO PURSUAN	T TO AUTHORIT	TY OF:			
d. OTHER (Specify type of modification						<del></del>
X Limitation of Funding C	lause (FAR 52.232-22)					
E. IMPORTANT: Contractor X is	not, is required to sign t	this document an	d return 3	copies to the	issuing office	
14. description of amendment/modification (O	rganized by UCF section headings, in	cluding solicitation	on/contract subject matter where f	easible.)		
The purpose of this modificat	ion is to obligate funds	on the con	tract.			
15A. NAME AND TITLE OF SIGNER (Type of	r print)		AND TITLE OF CONTRACTING		pe or print)	
		Dawn Al	exander, Contracting O	fficer	·····	
15B. CONTRACTOR/OFFEROR15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITE	ED STATES OF AMERICA	1	6C. DATE SIGNI	ED
CONTRACTORIOFFEROR		ВҮ				
(Signature of person authorized to sign)	<del></del>	·	(Signature of Contracting Officer)			

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$65,811,481.15 This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through June 15, 2005.
  - (b) An additional amount of \$4,055,884.74 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations Thru Modification 6	Obligation This Modification 6	Revised Cumulative Obligation
Total Cost	\$51,665,182.59	\$14,146,298.56	\$65,811,481.15
Fee	\$3,232,555.19	<u>\$823,329.55</u>	<u>\$4,055,884.74</u>
Total	\$54,897,737.78	\$14,969,628.11	\$69,867,365.89

Obligations:			Deobligat	ions:		
PR	Amount	Org	PLI/ALI	WBS	Amount	Org
4200114432	\$4,500,000.00	EA	91/70	N/A	\$33,926.67	ES
4200114165	\$1,977,331.50	EB	83/30	72-336-36-01-AC	\$82,282.00	EC
4200114020	\$3,970,545.60	EC	31/60	72-376-70-30-E7	\$66,917.79	ES
4200113578	\$437,000.00	EG				
4200114136	\$501,200.00	EP				
4200114135	\$1,506,149.39	ER				
4200114125	\$1,436,012.16	ES				
4200114070	\$64,928.92	EX				
4200114235	\$356,500.00	EV				
4200114085	\$403,087.00	KA				
TOTAL	\$15,152,754.57					
IOIAL	ψ10,102,104101			TOTAL	\$183,126.46	

Net Change			
Obligations		\$15,152,754.57	
Deobligations	_	\$183,126.46	
	TOTAL	\$14,969,628.11	

				OMB APPROVAL #: 2700-0042				
		DLICITATION/ ACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE OF PAGES 1 2		
2. AMENDMENT/MODIFICATION NO. 5		FECTIVE DATE See Block 16c	4. REQUIS	ITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)		
	ODE	BH2/JEI	7. ADMINIS	STERED BY (If other than Item 6)	CODE			
NASA/Johnson Space Ce			<del>_</del>					
Attn: BH2/Susan L. Stefa 2101 NASA Parkway	anovic							
Houston, TX 77058				. War in the				
	ACTOR (No. of	reat against State and Tin C	Pada)					
8. NAME AND ADDRESS OF CONTRA	ACTOR (No., Si	reet, county, State, and 21p C	oue)					
Sverdrup Technology, Inc								
Attn: Mr. Paul Spickard,		<del>-</del>						
2224 Bay Area Boulevard Houston, TX 77058	i, Suite 20	00						
CODE 348M3			FACILITY O	CODE				
(X) 9A. AMENDMENT OF SOLICI	TATION NO.		<del></del>	O (SEE ITEM 11)				
				***				
X NNJ05HI05C	NTRACT/ORDE	R NO.	10B, DATE	ED <i>(SEE ITEM 13)</i> December 1	17, 2004			
	•			ENTS OF SOLICITATION				
The above numbered solicitation in Offers must acknowledge receipt of this					is extended, following me	is not extended. thods:		
(a) By completing Items 8 and 15, and re	eturning	conies of the amendment: (t	n) By acknowled	Iging receipt of this amendment on	each conviof	the offer		
submitted; or (c) By separate letter or te	legram which in	cludes a reference to the sol	icitation and am	endment numbers. FAILURE OF Y	OUR ACKNO	WLEDGEMENT TO		
BE RECEIVED AT THE PLACE DESIGN YOUR OFFER. If by virtue of this amen								
or letter makes reference to the solicitat	ion and this am	endment, and is received price			· · · · · · · · · · · · · · · · · · ·	<u> </u>		
12. ACCOUNTING AND APPROPRIATION Net obligation: \$11.	796,536.5	equired) 53						
				S OF CONTRACTS/ORDERS, ESCRIBED IN ITEM 14.(x) (x)				
(x) A. THIS CHANGE ORDER IS CONTRACT ORDER NO. IN I	ISSUED PURS			ES SET FORTH IN ITEM 14 ARE I	MADE IN THE			
B. THE ABOVE NUMBERED appropriation date, etc.) SET F				MINISTRATIVE CHANGES (such a FAR 43.103(b).	as changes in	paying office,		
C. THIS SUPPLEMENTAL AC	REEMENT IS	ENTERED INTO PURSUAN	T TO AUTHOR	TY OF:				
d. OTHER (Specify type of mo								
X Limitation of Fundir	<del>-</del>	· — ·		· · · · · · · · · · · · · · · · · · ·				
E. IMPORTANT: Contractor		is required to sign t			-	issuing office		
14. description of amendment/modifica	tion (Organized	by UCF section headings, in	cluding solicitat	ion/contract subject matter where fe	easible.)			
The purpose of this modi	fication is	to obligate funds	on the cor	ntract.				
15A. NAME AND TITLE OF SIGNER (	Type or print)		16A. NAM	E AND TITLE OF CONTRACTING	OFFICER (T)	rpe or print)		
,				Stefanovic, Contractino				
15B. CONTRACTOR/OFFEROR15B.		15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	1	6C. DATE SIGNED		
(Signature of person authorized	to sign)		" —	(Signature of Contracting Officer)	—			

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$39,078,663.91 This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through April 28, 2005.
  - (b) An additional amount of \$2,299,719.76 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations The Modification		Obligation Modificati			Cumulative Jation		
Total Cost Fee Total	\$27,858,04 \$1,723,802 \$29,581,84	<u>2.76</u>	\$11,220,6 <u>\$575,9</u> \$11,796,	<u>917.00</u>	<u>\$2</u>	,078,663.91 ,299,719.76 ,378,383.67		
PR 4200110295 4200106631 4200110316 4200101759 4200110293 4200110421 4200107757 4200107142 4200109006 4200103440 4200110362	Amount \$548,451.82 \$790,373.18 \$3,113,495.00 \$760,725.00 \$858,320.00 \$834,437.34 \$1,956,194.19 \$1,521,971.00 \$168,100.00 \$200,000.00 \$240,000.00 \$814,470.00	Org EA EB EC EG EP ER ES EV EX HA KA	<b>PLI/ALI</b> 23/100 23/140		<b>WBS</b> -70-30-TB -30-30-TG	<b>Amou</b> \$10,0	nt 000.00 \$1.00	Org EA EA
TOTAL	\$11,806,537.53				тот	' <b>AL</b> \$10,0	001.00	
			<b>Net Cha</b> Obligati Deoblig	ons	тот	\$11,806,5 \$10,0 AL \$11,796,5	01.00	

					OME	3 APPRO	VAL #: 27	00-0042
	AMENDMENT ( MODIFICATION OF CO	OF SOLICITATION NTRACT AMEND		F	1. CONTRACT ID CODE		PAGE OF	PAGES 2
2. AME	NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE See Block	16c	4. REQUISIT	ION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If appli	cable)
6. ISSI	JED BY CODE	BH2/JEI		7. ADMINIST	ERED BY (If other than Item 6)	CODE		
NAS	A/Johnson Space Center	L						
Attn:	BH2/Susan L. Stefanovi	С						
	NASA Parkway							
Hous	ston, TX 77058					,	<i>r</i>	
8. NAM	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State	e, and Zip Coo	le)				
Sver	drup Technology, Inc.							
	Mr. Paul Spickard, Cont	racts Manager						
	l Bay Area Boulevard, Su	ite 200						
Hou	ston, TX 77058							
CODE	348M3			FACILITY CO	DE			
(x)	9A. AMENDMENT OF SOLICITATION	I NO.		9B. DATED	(SEE ITEM 11)			
X	10A. MODIFICATION OF CONTRACT NNJ05HI05C	T/ORDER NO.		10B. DATED	(SEE ITEM 13)  December	17. 2004	<u> </u>	
		HIS ITEM ONLY AR	PI IES TO	AMENDME	NTS OF SOLICITATION		•	· <del></del> ·
П	he above numbered solicitation is amen					is extended	. is not e	extended.
Offers	must acknowledge receipt of this amend	ment prior to the hour and	l date specifie	d in the solicita	tion or as amended, by one of the	e following m	ethods:	
	completing Items 8 and 15, and returning				ng receipt of this amendment on			
submit	ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED	which includes a referenc	e to the solicit	ation and amer	ndment numbers. FAILURE OF Y	YOUR ACKN	OWLEDGEMEN	1T TO
	OFFER. If by virtue of this amendment							
	r makes reference to the solicitation and CCOUNTING AND APPROPRIATION DA		eceived prior t	o the opening I	our and date specified.			
12. AC	Net obligation : <b>\$13,519,354</b>	11						<del></del>
					OF CONTRACTS/ORDERS, CRIBED IN ITEM 14.(x) (x)			
(x)_	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Spec				MADE IN TH	E	
	B. THE ABOVE NUMBERED CONTF appropriation date, etc.) SET FORTH					as changes i	n paying office,	
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO	PURSUANT 1	TO AUTHORIT	Y OF:			
X	d. OTHER (Specify type of modification Limitation of Funding Cl	on and authority) ause (FAR 52.23	32-22)					
E. IMI	PORTANT: Contractor X is r	oot, is requir	red to sign this	document and	return 3	copies to th	e issuing office	
14. de	escription of amendment/modification (Or	ganized by UCF section h	neadings, inclu	ıding solicitatio	n/contract subject matter where fe	easible.)		<u> </u>
	,							
The	purpose of this modificati	on is to obligate	funds or	n the cont	ract.			
¢								
15A.	NAME AND TITLE OF SIGNER (Type or	print)		16A. NAME	AND TITLE OF CONTRACTING	OFFICER (7	Type or print)	
	( )	<del>-</del>			Stefanovic, Contracting	•		
	CONTRACTOR/OFFEROR15B.	15C. DATE S	SIGNED	16B. UNITE	O STATES OF AMERICA		16C. DATE SIG	NED
CONTRACTOR/OFFEROR BY								

(Signature of person authorized to sign)

(Signature of Contracting Officer)

\$1,258,751.26

TOTAL \$13,519,354.11

## 1. B.4 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$51,665,182.59 This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through **May 23, 2005**.
  - (b) An additional amount of \$3,232,555.19 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

_,						
	Obligations Thru Modification 5		Obligation This Modification 6	Revised Cumulative Obligation	<b>-</b>	
Total Cost Fee Total	\$39,078,663.9 \$2,299,719. \$41,378,383.0	<u> 76</u>	\$12,586,518.68 \$932,835.43 \$13,519,354.11	\$51,665,182. <u>\$3,232,555.</u> \$54,897,737.	<u>19</u>	
Obligations:			Deobligation	s:		
PR	Amount	Org		WBS	Amount	Org
4200111298	\$1,202,856.25	EB		N/A	\$750,000.00	EA
4200111007	\$2,801,957.00	EA		72-335-22-03-AC	\$110,000.00	EG
4200111266	\$4,678,348.00	EC		N/A	\$59,451.26	ES
4200111087	\$100,000.00	EG		N/A	\$54,000.00	ES
4200110672	\$383,330.48	EP		N/A	\$21,700.00	ES
4200111341	\$1,038,381.00	EV		N/A	\$13,600.00	ES
4200111572	\$249,761.00	ER		72-477-16-AB	\$250,000.00	EC
4200111371	\$1,074,596.64	ES				
4200111540	\$1,644,450.00	ΕV				
4200111299	\$154,425.00	KA				
4200111460	\$950,000.00	KA				
4200111330	\$500,000.00	OZ	•			
TOTAL	\$14,778,105.37			TOTAL	\$1,258,751.26	
			Net Change Obligations		\$14,778,105.37	

Deobligations

				OME	APPRO	VAL #: 2700-0042
		LICITATION/ CT AMENDMENT (	)F	1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 5		See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)
6. ISSUED BY	CODE	BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE	
NASA/Johnson Space C			-			
Attn: BH2/Susan L. Stef	anovic					
2101 NASA Parkway Houston, TX 77058						
Houston, TX 77056			· · ·			
8. NAME AND ADDRESS OF CONTR	ACTOR (No., stre	eet, county, State, and Zip Co	ode)			
Sverdrup Technology, In	c.					
Attn: Mr. Paul Spickard,		Manager				
2224 Bay Area Boulevar	d, Suite 20	ס				
Houston, TX 77058						
CODE 348M3			FACILITY CO	DDE		
9A. AMENDMENT OF SOLIC	CITATION NO.		9B. DATED	(SEE ITEM 11)		
X NNJ05HI05C	NTRACT/ORDER	R NO.	10B. DATE	O (SEE ITEM 13)  December 1	17, 2004	
	11. THIS ITE	M ONLY APPLIES TO	MENDMI	ENTS OF SOLICITATION	S	
The above numbered solicitation Offers must acknowledge receipt of thi					is extended,	is not extended.
<ul><li>(a) By completing Items 8 and 15, and submitted; or (c) By separate letter or to</li></ul>				ing receipt of this amendment on ndment numbers. FAILURE OF Y		
BE RECEIVED AT THE PLACE DESIG	GNATED FOR TH	E RECEIPT OF OFFERS PI	RIOR TO THE H	IOUR AND DATE SPECIFIED MA	Y RESULT IN	NREJECTION OF
YOUR OFFER. If by virtue of this ame or letter makes reference to the solicita	•	= -		•	or letter, pro	vided each telegram
12. ACCOUNTING AND APPROPRIA Net obligation: \$11	TION DATA (If re. <b>,796,536.5</b>	guired) <b>3</b>				
				OF CONTRACTS/ORDERS,		
(x) A. THIS CHANGE ORDER IS CONTRACT ORDER NO. IN	S ISSUED PURSU	FIES THE CONTRACT/ORD JANT TO: (Specify authority		S SET FORTH IN ITEM 14 ARE I	MADE IN THE	
B. THE ABOVE NUMBERED appropriation date, etc.) SET				IINISTRATIVE CHANGES (such a AR 43.103(b).	s changes in	paying office,
C. THIS SUPPLEMENTAL A	GREEMENT IS E	NTERED INTO PURSUANT	TO AUTHORIT	Y OF:		
d. OTHER (Specify type of m						
	X is not,	is required to sign th	nis document an	d return 3	copies to the	issuing office
14. description of amendment/modific	ation (Organized I	by UCF section headings, inc	luding solicitatio	n/contract subject matter where fe	asible.)	
The purpose of this mod	lification is t	to obligate funds c	on the cont	ract.		
The purpose of the mod		io obligato lalido d				
4EA NAME AND TITLE OF GIOVES	(Tuno or maint)		164 1444	AND TITLE OF CONTRACTIVO	OFFICER AT	mo or print!
15A. NAME AND TITLE OF SIGNER	( i ype or print)			AND TITLE OF CONTRACTING Stefanovic, Contracting		PO OF PHILL)
15B. CONTRACTOR/OFFEROR15B.		15C. DATE SIGNED	1	D STATES OF AMERICA	1	6C. DATE SIGNED
(Simultana of more on with miles	to cian)		BY	Signature of Contracting Officer)		
(Signature of person authorized	waten)	I	1 (	Signature of Countrients Officer)		

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$39,078,663.91 This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through April 28, 2005.
  - (b) An additional amount of \$2,299,719.76 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

_							
	Obligations The Modification		Obligation Modification		evised Cum Obligatio		
Total Cost	\$27,858,04	4.38	\$11,220,6	619.53	\$39,07	8,663.91	
Fee	\$1,723,80	2.7 <u>6</u>	<b>\$575,9</b>	<u> 917.00</u>	<b>\$2,29</b>	<u>9,719.76</u>	
Total	\$29,581,84	7.14	\$11,796,5	536.53	\$41,37	8,383.67	
PR	Amount	Org	PLI/ALI	W	/BS	Amount	Org
4200110295	\$548,451.82	ΕĀ	23/100	72-376-70	)-30-TB	\$10,000.00	ΕĀ
4200106631	\$790,373.18	EB	23/140	72-377-30	-30-TG	\$1.00	EΑ
4200110316	\$3,113,495.00	EC					
4200101759	\$760,725.00	EG					
4200110332	\$858,320.00	EP					
4200110293	\$834,437.34	ER					
4200110421	\$1,956,194.19	ES					
4200107757	\$1,521,971.00	EV					
4200107142	\$168,100.00	EX					
4200109006	\$200,000.00	EX					
4200103440	\$240,000.00	HA					
4200110362	\$814,470.00	KA					
TOTAL	\$11,806,537.53						
					TOTAL	\$10,001.00	

**Net Change** 

Obligations \$11,806,537.53

Deobligations \$10,001.00

TOTAL \$11,796,536.53

				OME	3 APPRO	VAL #: 2700-0042
	NDMENT OF SO ON OF CONTRA	OLICITATION/ ACT AMENDMENT C	)F	1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATIO		FECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
6. ISSUED BY	CODE	BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE	
NASA/Johnson Space	e Center		-		•	, , , , , , , , , , , , , , , , , , , ,
Attn: BH2/Susan L.						
2101 NASA Parkway	•					
Houston, TX 77058						
8. NAME AND ADDRESS OF C	ONTRACTOR (No., st	reet, county, State, and Zip Co	ode)			
Sverdrup Technolog	v. Inc.					
Attn: Ms. Michele Ka		Manager				
2224 Bay Area Boule	•	J				
Houston, TX 77058						
CODE 348M3			FACILITY C	DDE		
(X) 9A. AMENDMENT OF	SOLICITATION NO.		9B. DATED	(SEE ITEM 11)		
X NNJ05HI0		R NO.	10B. DATE	December	17, 2004	
				ENTS OF SOLICITATION		
		set forth in Item 14. The hour a for to the hour and date specifi		ed for receipt of Offers  Lition or as amended, by one of the	is extended, following met	is not extended.
(a) By completing Items 8 and 19				ing receipt of this amendment on		
				ndment numbers. FAILURE OF Y IOUR AND DATE SPECIFIED MA		
YOUR OFFER. If by virtue of the	s amendment you desi	ire to change an offer already s	submitted, such	change may be made by telegram		
or letter makes reference to the	OPRIATION DATA (If I	equired)	r to the opening	hour and date specified.		
Net obligation:		ITEM APPLIES ONLY TO MO	ODIFICATIONS	OF CONTRACTS/ORDERS	<del> </del>	
	IT MOD	IFIES THE CONTRACT/ORD	ER NO. AS DES	SCRIBED IN ITEM 14.(x) (x)		
A. THIS CHANGE OR CONTRACT ORDER N		SUANT TO: (Specify authority)	) THE CHANGE	S SET FORTH IN ITEM 14 ARE I	MADE IN THE	
		RDER IS MODIFIED TO REFI 14, PURSUANT TO THE AU		IINISTRATIVE CHANGES (such a AR 43.103(b).	is changes in I	paying office,
C. THIS SUPPLEMEN	TAL AGREEMENT IS	ENTERED INTO PURSUANT	TO AUTHORIT	Y OF:		
d. OTHER (Specify type	e of modification and a	authority)				
E. IMPORTANT: Contractor	X is not,	is required to sign th	is document an	d return 3	copies to the	issuing office
14. description of amendment/n	nodification (Organized	by UCF section headings, inc	luding solicitatio	n/contract subject matter where fe	asible.)	
The purpose of this	modification is	to obligate funds o	n the cont	ract.		
15A. NAME AND TITLE OF SIG	NER (Type or print)		16A. NAME	AND TITLE OF CONTRACTING	OFFICER (Ty	pe or print)
			Susan L.	Stefanovic, Contracting	Officer	·
15B. CONTRACTOR/OFFERO	R15B.	15C. DATE SIGNED	16B. UNITE BY	D STATES OF AMERICA	16	6C. DATE SIGNED
(Signature of person aut	norized to sign)			Signature of Contracting Officer)		

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$27,858,044.38. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 17, 2004 through March 25, 2005.
  - (b) An additional amount of \$1,723,802.76 is obligated under this contract for payment of fee.

(End of clause)

## 2. Funding recapitulation:

	Obligations Thru Modification 2	Obligation This Modification 4	Revised Cumulative Obligation
Total Cost	\$18,725,189.00	\$9,132,855.38	\$27,858,044.38
Fee	\$1,267,160.00	<u>\$456,642.76</u>	<u>\$1,723,802.76</u>
Total	\$19,992,349.00	\$9,589,498.14	\$29,581,847.14

#### **Obligations:**

PR	Amount	Org
4200103857	\$55,000.00	EA
4200104780	\$952,496.04	EB
4200104908	\$1,853,438.00	EC
4200104997	\$530,000.00	EG
4200104854	\$1,002,853.00	EP
4200104897	\$1,363,089.00	ER
4200104468	\$627,861.10	ES
4200104876	\$2,038,000.00	ΕV
4200101952	\$9,400.00	HA
4200104855	\$775,412.00	KA
4200090744	\$381,949.00	MA

TOTAL \$9,589,498.14

				OME	<b>APPRO</b>	VAL #: 2700-0042
	AMENDMENT C MODIFICATION OF COI	OF SOLICITATION/ NTRACT AMENDMENT C	)F	1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AME	NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE See Block 16c	4. REQUISI	TION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)
6. ISSL	JED BY CODE	BH2/JEI	7. ADMINIS	TERED BY (If other than Item 6)	CODE	
	A/Johnson Space Center					
	BH2/Susan L. Stefanovi					
	NASA Parkway ston, TX 77058			•		
nous	Stoff, TA 77000			A	\$ t	
8. NAM	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip Co	ode)			
Sver	drup Technology, Inc.					
	Ms. Michele Katz, Busin	_				
	Bay Area Boulevard, Sui	te 200				
	ston, TX 77058		<del>,</del>			
CODE	07486	INO	FACILITY C	ODE (SEE ITEM 11)		
(x)	9A. AMENDMENT OF SOLICITATION	TNO.	9B. DATEL	(SEE TIEW II)		
	10A. MODIFICATION OF CONTRACT	ORDER NO.	10B. DATE	D (SEE ITEM 13)	10 0001	
X	NNJ05HI05C			December 1	-	
	11. Ti he above numbered solicitation is amend	HIS ITEM ONLY APPLIES TO			S is extended,	is not extended.
	must acknowledge receipt of this amendr					
(a) By (	completing Items 8 and 15, and returning	copies of the amendment: (b)	) Bv acknowled	ging receipt of this amendment on	each copy of	the offor
submitt	ed; or (c) By separate letter or telegram	which includes a reference to the solid	citation and ame	endment numbers. FAILURE OF \	OUR ACKNO	DWLEDGEMENT TO
	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y					
	r makes reference to the solicitation and COUNTING AND APPROPRIATION DA		r to the opening	hour and date specified.		
	Net obligation:	(TA (II required)				
		B. THIS ITEM APPLIES ONLY TO MIT MODIFIES THE CONTRACT/ORD				
(x)	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10.	PURSUANT TO: (Specify authority			MADE IN THI	
X	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I				as changes in	paying office,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHORI	TY OF:		
	OTHER (Consideration of modification	an and authority)			<del>.</del>	
	d. OTHER (Specify type of modification	н ана автоту)				
E. IMF	PORTANT: Contractor X is n	is required to sign th	nis document ar	nd return 3	copies to the	e issuing office
14. de	scription of amendment/modification (Or	ganized by UCF section headings, inc	cluding solicitati	on/contract subject matter where fe	easible.)	
The	purpose of this administra	ative modification is to o	orrect the	obligation amount sta	ated in M	lodification 2. and
	edistribute the obligations					
	v					
				,		
			408 31834	AND TITLE OF CONTRACTING	OFFICER C	una ar printl
15A. I	NAME AND TITLE OF SIGNER <i>(Type or</i>	print)	1	E AND TITLE OF CONTRACTING  Stefanovic, Contracting		уре от рини)
15B. (	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNIT BY	ED STATES OF AMERICA		16C. DATE SIGNED
-	(Signature of person authorized to sign)	<del></del>		(Signature of Contracting Officer)		

1. Purchase Request 4200098948 was listed twice in Modification 2, resulting in overstating the obligated amount by \$1,472,000.00. This modification corrects the error, and reallocates the amounts allotted for cost and fee as follows:

#### B.4 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$18,725,189.00. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 16, 2004 through February 28, 2005.
  - (b) An additional amount of \$1,267,160.00 is obligated under this contract for payment of fee.

(End of clause)

2. Funding recapitulation is corrected as follows:

-	Obligations Thru Modification 1	Corrected Obligation by Modification 2	Corrected Cumulative Obligation
Total Cost Fee Total	\$1,247,114.00 <u>\$0.00</u> \$1,247,114.00	\$17,478,075.00 <u>\$1,267,160.00</u> \$18,745,235.00	\$18,725,189.00 \$1,267,160.00 \$19,992,349.00
Corrected Obligations:			
PR	Amount	Org	
4200097912	\$500,000.00	OD	
4200098445	\$554,316.00	EG	
4200098587	\$679,000.00	MV6	
4200098771	\$573,000.00	MA	
4200098789	\$3,050,000.00	EB	
4200098870	\$5,049,000.00	EC	
4200098915	\$3,313,005.00	ER	
4200098918	\$45,000.00	OZ	
4200098936	\$450,000.00	OZ	
4200098948	\$1,472,000.00	EV	
4200098949	\$519,201.00	EP	
4200099114	\$1,330,000.00	ES	
4200099126	\$110,713.00	ER	
4200099172	\$1,100,000.00	SX	

TOTAL \$18,745,235.00

				OME	APPRO	VAL#:	2700-0042
	AMENDMENT (	OF SOLICITATION/ NTRACT AMENDMENT (	OF	1. CONTRACT ID CODE		PAGE (	OF PAGES
2. AME	NDMENT/MODIFICATION NO. 2	3. EFFECTIVE DATE See Block 16c		TION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If a	oplicable)
6. ISSL		BH2/JEI	7. ADMINIS	STERED BY (If other than Item 6)	CODE		
Attn: 2101	A/Johnson Space Center BH2/Susan L. Stefanovi NASA Parkway ston, TX 77058		-				
8. NAM	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and Zip C	ode)				
Attn: 2224	drup Technology, Inc. Ms. Michele Katz, Busin Bay Area Boulevard, Suston, TX 77058						
CODE	07486		FACILITY C	CODE			
<u>(x)</u>	9A. AMENDMENT OF SOLICITATION	N NO.	9B. DATEI	) (SEE ITEM 11)			
X	10A. MODIFICATION OF CONTRAC NNJ05HI05C	T/ORDER NO.	10B. DATE	D (SEE ITEM 13) December	16. 2004		<u></u>
submitt BE RE YOUR or lette	completing Items 8 and 15, and returning ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment remakes reference to the solicitation and COUNTING AND APPROPRIATION D. Net obligation: \$20,217,	which includes a reference to the soli FOR THE RECEIPT OF OFFERS F you desire to change an offer already this amendment, and is received price	icitation and am PRIOR TO THE r submitted, such or to the opening	HOUR AND DATE SPECIFIED Man change may be made by telegrand hour and date specified.	YOUR ACKNO AY RESULT IN	WLEDGEN REJECTION	ON OF
(x)		IT MODIFIES THE CONTRACT/ORD	DER NO. AS DE	SCRIBED IN ITEM 14.(x) (x)	MADE IN THE	 E	
	CONTRACT ORDER NO. IN ITEM 10  B. THE ABOVE NUMBERED CONTR		ELECT THE AD	MINISTRATIVE CHANGES (such	as changes in	navina offic	
	appropriation date, etc.) SET FORTH	IN ITEM 14, PURSUANT TO THE A	UTHORITY OF	FAR 43.103(b).	as changes in	paying one	<del></del>
	C. THIS SUPPLEMENTAL AGREEM	IENT IS ENTERED INTO PURSUAN	T TO AUTHOR	ITY OF:			
X	d. OTHER (Specify type of modification of Funding Cl						
E. IM	PORTANT: Contractor X is	not, is required to sign t	this document a	nd return 3	copies to the	issuing offi	ce
14. de	scription of amendment/modification (O	rganized by UCF section headings, in	cluding solicitat	ion/contract subject matter where f	easible.)	·	
The	purpose of this contract r	modification is to obligat	te funds o	n the contract.			
15A. I	NAME AND TITLE OF SIGNER (Type o	r print)	1	E AND TITLE OF CONTRACTING  Stefanovic, Contractin		pe or print)	-
15B. (	CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	1	6C. DATE	SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$12,967,250.00. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 16, 2004 through February 28, 2005.
  - (b) An additional amount of \$8,497,099.00 is obligated under this contract for payment of fee.

#### (End of clause)

## 2. Funding recapitulation:

	Obligations Thru Modification 1	Obligation This Modification 2	Revised Cumulative Obligation
Total Cost	\$1,247,114.00	\$11,720,136.00	\$12,967,250.00
Fee	\$0.00	\$8,497,099.00	\$8,497,099.00
Total	\$1,247,114.00	\$20,217,235.00	\$21,464,349.00

## **Obligations:**

PR	Amount	Org
4200097912	\$500,000.00	OD
4200098445	\$554,316.00	EG
4200098587	\$679,000.00	MV6
4200098771	\$573,000.00	MA
4200098789	\$3,050,000.00	EB
4200098870	\$5,049,000.00	EC
4200098915	\$3,313,005.00	ER
4200098918	\$45,000.00	ΟZ
4200098936	\$450,000.00	ΟZ
4200098948	\$1,472,000.00	ΕV
4200098949	\$519,201.00	EP
4200099114	\$1,330,000.00	ES
4200099126	\$110,713.00	ER
4200099172	\$1,100,000.00	SX
4200099848	\$1,472,000.00	ΕV

TOTAL \$20,217,235.00

			OME	3 APPROV	/AL #: 2700-0042		
	OF SOLICITATION/ ONTRACT AMENDMENT (	OF	CONTRACT ID CODE		PAGE OF PAGES 1 2		
2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE See Block 16c	4. REQUISITI	ON/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)		
6. ISSUED BY CODE	BH2/JEI	7. ADMINIST	ERED BY (If other than Item 6)	CODE	-		
NASA/Johnson Space Cente Attn: BH2/Susan L. Stefanov 2101 NASA Parkway Houston, TX 77058	r	_		L			
8. NAME AND ADDRESS OF CONTRACTOR Sverdrup Technology, Inc. Attn: Bo Arnold 600 William Northern Blvd. PO Box 884 Tullahoma, TN 37388-3729	२ (No., street, county, State, and Zip Co	ode)					
CODE 07486		FACILITY COL	DE				
9A. AMENDMENT OF SOLICITATION	IN NO.	9B. DATED (S	SEE ITEM 11)	<u></u>			
X NNJ05HI05C			(SEE ITEM 13) December 1	<u> </u>			
The above numbered solicitation is amer Offers must acknowledge receipt of this amend (a) By completing Items 8 and 15, and returnin submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATEI YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and	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 offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT 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 you 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 D Net obligation: <b>\$1,247,</b> 1	114						
	13. THIS ITEM APPLIES ONLY TO MO IT MODIFIES THE CONTRACT/ORDE	ER NO. AS DESC	RIBED IN ITEM 14.(x) (x)				
CONTRACT ORDER NO. IN ITEM 10							
appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REFL IN ITEM 14, PURSUANT TO THE AUT	THORITY OF FAR	R 43.103(b).	s changes in pa	aying office,		
	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY	OF:				
d. OTHER (Specify type of modification of Funding Cl							
E. IMPORTANT: Contractor X is	not, is required to sign thi	s document and r	return 3	copies to the is	suing office		
14. description of amendment/modification (O	•						
The purpose of this contract r SF 26, from NNJ04HI05 to NI	NJ05HI05 <b>C</b> ; and b) oblig	inistratively ate funds o	n the contract.	number i	n Block 2 of the		
15A. NAME AND TITLE OF SIGNER (Type or			ND TITLE OF CONTRACTING C Stefanovic, Contracting		or print)		
15B. CONTRACTOR/OFFEROR15B.	15C. DATE SIGNED	16B. UNITED: BY	STATES OF AMERICA	160	D. DATE SIGNED		
(Signature of person authorized to sign)	—	(Sig	gnature of Contracting Officer)				

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$1,247,114. This allotment is for ESC activities within the scope of the Statement of Work in Section C of this contract and covers the following estimated period of performance December 16, 2004 through **February 1, 2005**.
  - (b) An additional amount of \$0 is obligated under this contract for payment of fee.

#### (End of clause)

## 2. Funding recapitulation:

	Obligation This Modification 1	Cumulative Obligation	
Cost	\$1,247,114.00	\$1,247,114.00	
Fee	<u>\$0.00</u>	<u>\$0.00</u>	
Total	\$1,247,114.00	\$1,247,114.00	

#### **Obligations:**

PR	Amount	Org
4200092199	\$150,000.00	ER72
4200092200	\$150,000.00	EP72
4200092221	\$100,000.00	E272
4200092224	\$100,000.00	EG72
4200092256	\$105,000.00	EC72
4200092424	\$115,000.00	EB72
4200092428	\$150,000.00	ES72
4200093092	\$167,114.00	EX72
4200093160	\$150,000.00	EV72
4200093162	\$60,000.00	EX72

TOTAL \$1,247,114.00