EXHIBIT A

TO

FA8811-16-R-0006

EVOLVED EXPENDABLE LAUNCH VEHICLE (EELV) PHASE 1A

CONTRACT DATA REQUIREMENTS LIST (CDRLs)

14 June 2016

Department of the Air Force
Space and Missile Systems Center
Launch and Range Systems Directorate
Los Angeles Air Force Base, California

CDRL General Instructions CDRL Address List CDRL Distribution List CDRLs

CDRL GENERAL INSTRUCTIONS

CONTRACT DATA REQUIREMENTS LIST (CDRL)

A list of data requirements authorized for this specific procurement and made a part of this contract. The contractual method is the use of Department of Defense Form (DD Form) 1423s, Contract Data Requirement List (CDRL), which specifies the data which is required to be delivered to the government. For the purpose of this agreement, the "contract" applies for each Launch Vehicle Service order.

DATA ITEM NUMBER

If the Contract is awarded multiple Launch Vehicle Service orders, the Contractor shall use a sequential double alpha, single numeric number scheme. For example, Order 1 will have CDRLs AA01-AA11, AB01-AB20, and AC01; and Order 2 will have CDRLs BA01-BA11, BB01-BB20, and BC01.

DATA ITEM DESCRIPTIONS (DIDs)

The DID is a specification for the preparation of data. The DIDs listed on the CDRLs were selected from the Department of Defense (DoD) Index of Specifications and Standards (DoDISS) listed on the Acquisition Streamlining and Standardization Information System (ASSIST).

DID TAILORING

DID tailoring is made to either relax format requirements or to tailor the DID to be in consonance with the source document tailoring contained in the Performance Work Statement (PWS). Since contract data requirements are normally a by-product of some contract task, if the requirements of the DID are in conflict with the tailored application of the source document as reflected in the PWS, the latter takes precedence.

DATA DELIVERY DATES

For Soft Copies, delivery of data is to be construed as the date data is available in the contractors' data management system and electronic notification is sent to addressees.

For Hard Copies, delivery of data is to be construed as "On Dock" dates at destination. Provision of a 3-day postage handling period from postmark at contractor's facility to "On-Dock" delivery at destination meets this requirement, unless otherwise stated in CDRL. The date of government signature at destination, if courier service is used, is to be construed as the "On Dock" date. It shall be the contractor's responsibility to ensure data delivery prior to end of business on the due date if a courier service is used in lieu of the U.S. Postal Service.

If due date falls on weekend or government holiday, data shall be due on the next scheduled government workday.

DD FORM 250 REOUIREMENTS

Block 7 of the CDRL will indicate whether inspection and acceptance of the data by DD Form 250 is required. "Draft" copies submitted for advance approval and "Preliminary" copies submitted are exempt from the DD Form 250 requirements.

ADDITIONS TO DISTRIBUTION

If an addressee is added to distribution, or distribution quantities have been increased to an existing addressee, initial submittal to new addressee shall include the basic document and revisions as appropriate.

COMMUNICATIONS

Any correspondence related to requests for data delivery deviations, amendments, additions, or deletions shall be addressed to the Procuring Contracting Office (PCO) with an information copy to the government Data Management Officer (DMO).

For those data items where "LT" (Letter of Transmittal) is indicated in Block 7 of the CDRL, the Contractor shall utilize a Letter of Transmittal (LOT). Each copy submitted shall have a LOT attached. In addition, the contractor shall furnish one copy of each LOT (without data) to the government DMO. Change pages shall indicate updates by a bar in the margin adjacent to the change and encompassing all changed portions.

CDRL ADDRESS LIST AND DATA DISTRIBUTION LIST

The Address List provides the complete mailing address for each addressee and a mailing code.

The Data Distribution List provides information regarding quantities for shipment (normally in Blocks 14 and 15 of the CDRL) to each mailing code. Quantity of Hard deliverables and Soft deliverables will be indicated to the left and right of the "/", respectively. See CDRL for possible additional format or delivery instructions.

DATA APPROVALS

While all data are subject to government approval, selected data will require advanced approval. The letter "A" appearing in Block 8 of the CDRL designates such data. Approval will be required on every submittal (e.g., the Preliminary, Draft, Finals that incorporate government comments, and revisions or change pages, if applicable). The approving authority shall be the PCO. Delivery of the Final data shall be submitted within 30 CD after receipt of government approval of Draft unless otherwise stated on CDRL.

CODES USED ON THE CDRL

The following codes may be used as described below.

a. Block 7: DD Form 250 requirements

CODE WHEN USED

LT Letter of Transmittal only

b. Block 8: Approval code

CODE WHEN USED

A Approval is required by government on all submittals.

N/A Approval is not required.

c. Block 10: Frequency

CODE (Limit to five characters)

DAILY	Daily	WEKLY	Weekly
BI-WE	Each 2 weeks	MTHLY	Monthly
BI-MO	Each 2 months	QRTLY	Quarterly
ANNLY	Annually	SEMIA	Each 6 months
OTIME	One time	ONE/R	One time, & revisions
R/ASR	Revisions as required	*ASREQ	As required
DFDEL	Deferred delivery	DFORD	Deferred ordering
ONE/P	1-time preliminary draft	2TIME	Two separate submittals

^{*}When ASREQ is used in items 10, 11, 12 or 13, an explanation of the requirement must be entered in item 16.

d. Blocks 12 and 13: Date of 1st and Subsequent Submissions

SDA = Government APPROVAL CDR = Critical Design Review CA = Contract Award IPR = In Process Review CO = Change OrderFCA = Functional Configuration Audit SA = Supplemental Agreement PCA = Physical Configuration Audit SRR = System Requirements Review FLT = Flight Test Review SDR = System Design Review CD = Calendar Days PDR = Preliminary Design Review WD = Working Days EOC = End of Contract ATP = Authority to Proceed

* For this agreement, Contract Award is the same as Launch Vehicle Services Order

ELECTRONIC DISTRIBUTION

CDRLs shall be delivered on the contractors' data management system(s). The contractor shall enable remote access to these systems by all SPO personnel (Air Force, Aerospace, Systems Engineering and Integration (SE&I), and Systems Engineering and Technical Assistance (SETA)) subject to applicable terms on this contract. An index of addressees to be allowed access to or to be notified of CDRL availability will be provided by government DMO via e-mail notification for contractor's implementation. Access Lists will be updated, as required, without modification to the contract. The contractor shall use an acceptable electronic format that is compatible with existing government systems, unless a precise format is specified in the CDRL.



CDRL ADDRESS LIST

1. HQ Space & Missile Systems Center (AFSPC) LE Launch Systems Directorate 483 North Aviation Blvd. Los Angeles AFB El Segundo, CA 90245-2808 smc.lrdm@us.af.mil a. LEE, Bldg. 271 B3-405 (Data Management Office, DMO) b. LEE c. LEP d. LEK e. LEG f. LES NOTE: Submit Hard Copies to 1.a. for distribution, if applicable 2. HQ Space & Missile Systems Center (AFSPC) SAF/SL Attn: SAF/SL, Bldg. A5 483 North Aviation Blvd. Los Angeles AFB El Segundo, CA 90245-2808 **30 LCG** 3. 30th Launch Group 4th Space Launch Squadron Directorate of Engineering Attn: Data Desk 1515 Iceland Ave., Suite 222 Bldg. 8500 Vandenberg AFB, CA 93437-5321 4. 45 LCG / 45 LCSS **45 LCG** Attn: Data Library 15270 Samuel C. Phillips Parkway (CCAFS) Building 1645 Patrick AFB, FL 32925-2009 5. Defense Cost and Resource Center (DCARC) DCARC 201 12th Street South Suite 220 Arlington, VA 22202 (703) 601-4850 6. DCMA, TBD DCMA 7. NRO Operations Squadron **NOPS** 401 Discoverer Ave. Ste 32 Schriever AFB, CO 80912 NOPS Launch@us.af.mil

CDRL DISTRIBUTION LIST

CDRL	TITLE	OFFICE SYMBOL	QTY Hard/Soft
A001	Data Accession List (DAL)	LEE	0/1
A002	"Cost Data Summary Report" (DD Form 1921)	LEP DCARC	0/1 0/1
A003	"Functional Cost-Hour Report" (DD Form 1921-1)	LEP DCARC	0/1 0/1
A004	Contractor Business Data Report (DD Form 1921-3)	LEP DCARC	0/1 0/1
A005	Contract Work Breakdown Structure (CWBS)	LEP DCARC DCMA	0/1 0/1 0/1
A006	Integrated Program Management Report (IPMR) - Integrated Master Schedule (IMS)	DCARC LEP	0/1 0/1
A007	Training Materials - Launch Vehicle Familiarization Training	LEG SAF/SL 30 LCG 45 LCG	0/1
A008	Program Protection Implementation Plan (PPIP)	LEE	0/1
A009	As Built Configuration List (ABCL) - Launch Vehicle Configuration	LEE LEG	0/1 0/1
A010	Test Plan - Launch Vehicle Test and Verification Plan (LVTVP)	LEG LEE	0/1
A011	Test Procedure - Flight Hardware Interface Checks	LEG SAF/SL**	0/1 0/1

^{**} For NRO Missions

NOTE: The contractor shall provide electronic access of CDRLs, and notification via e-mail to select addressees, when requested, in accordance with government-provided Access List index. Addressees (for notification purposes only) not listed above may include, for example, Aerospace, Defense Contract Management Agency (DCMA), Patrick Air Force Base (AFB), Vandenberg AFB, SE&I, and SETA contractors. It is not the responsibility of the Contractor to make actual distribution of either electronic or hard copy CDRLs to these unnamed addressees. Draft documents delivered electronically must be marked "draft." Notifications for Revisions to required CDRL deliveries shall be provided to all POCs.

[^] For Launches from Vandenberg Air Force Base (VAFB)

^{^^} For Launches from Cape Canaveral Air Force Station (CCAFS) or Kennedy Space Center (KSC)

(1 Data Item)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503 Please DO NOT RETURN your form to either of these addresses Send completed form to the Government issuing Contracting officer for the Contract/PR No listed in Block E

Α	CONTRACT LINE ITEM 9001	NO	В	EXHIBIT A	С	CATEGOR	Y: TDP		TM	OTHER	х	
D	SYSTEM / ITEM		<u>'</u>	E CONTRACT		Ю		F	CONTRACTOR			
1	DATA ITEM NO	2 TITLE OF DA	TA ITEM	FA8811-1	6-R-0	0006			3 SUBTITLE			
1	A001	Data Acce							3 SOBILLE			
4	AUTHORITY (Data Acqu		5	CONTRACT REFER	ENCE				6 REQUIRING OFFICE			
	DI-MGMT-81453A			Performance Wo	ork S	tatement, Pa	ara 3.1.3	3	SMC/LEE			
7	DD 250 REQ	9 DIST STATE REQUIRED	MENT	10 FREQUENO	CY		ATE OF F		14 DI	STRIBUTIO	N	
	LT			MTHLY		30	DACA	1			b COPIE	ES
8	APP CODE	D	Ī	11 AS OF DAT		13 DA SU	ATE OF JBSEQUE	ENT	a ADDRESSEE		F	INAL
	N/A			N/A			љмissio THLY	ON		Draft	Reg	Repro
16	REMARKS			IVA		IV.			Con Distribution List			
l									See Distribution List			
1.	(BLK 4):	(DAT) 311	1.0									
	a. Data Accession Lis											
ı	b. List is not to include											
	c. The DAL shall condocument location	tain pointers (links in the online datab	s) to the ase.	contractor's elect	ronic	data systen	ns file n	ames or				
2	(BLK 13): Technical d			line dataset withi	in 10\	WD after rel	lease					
	(22222). 1002220010											
									15 TOTAL		1	
G F	REPARED BY			H DATE			I APP	PROVED BY	•	J DATE		
				1			1			1		

(1 Data Item)

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A	CONTRACT LINE ITEM 9001	NTRACT LINE ITEM NO B EXHIBIT C CATEGORY: TDP							TM	OTHER	х		
D	SYSTEM / ITEM EELV				E CONTRACT FA8811-1)6		F (CONTRACTOR			
1	DATA ITEM NO A002	2	TITLE OF DA		И ry Report (DD Fo	vrm 1921	1)			3 SUBTITLE			
4	AUTHORITY (Data Acqui	isitian T		5	CONTRACT REFER		.,			6 REQUIRING OFFICE			
4	DI-FNCL-81565C/T		ocument No.)		Performance We		ement, Pa	ıra 3.1.4	1	SMC/LEP			
7	DD 250 REQ	9	DIST STATES REQUIRED	MENT	10 FREQUENO	CY 1		TE OF F		14 D	ISTRIBUTIO	N	
	LT				BLK 16		BI	LK 16				b COPIE	S
8	APP CODE		D		11 AS OF DAT	TE 1	13 DA SU	TE OF BSEQUE BMISSIO		a ADDRESSEE		F	INAL
	N/A				BLK 16		ВІ	LK 16			Draft	Reg	Repro
16	REMARKS									See Distribution List			
1. (BI	LK 4):												
a.	Prepare in accordance												
	provision, the WBS (DoD 5000.4 M-1).												
	CCDR Manual is available http://dcarc.cape.osd		from the De	efense (Cost and resource	Center ((DCARC)) websit	te at				
ı,	The responsible DoI		a far raasivis	d	storing all CCDP	ralated f	formats is						
0.	Defense Cost and Re				Storing an CCDR	related 1	ioimais is	s.					
	201 12th Street South	1											
	Suite 220										-		
	Suite 220												
	Arlington, CA 22202	2									+		
c.	Prepare CCDR data	in elec	ctronic forma	t in acc	ordance with the	detailed	instructio	ons con	tained in				
	Data Item Description compatible spreadsh	on DI-	FNCL-81565	C. The	e required file for	mat is M	licrosoft l	Excel					
	upload to the DCAR	C's se	cure website										
	methods and submis												
d.	Prime contractors are contracts to all subco												
	subcontractors to ele agrees, a copy of the	ctroni	cally report of	lirectly	to DCARC and S	MC/LEI	P. If the	subcon	tractor				
	Contractor shall iden					-							
e.	the remarks sections	- 7			iames, values, and	1 Corresp	onding v	WD3 etc	ements in				
	LK 10, 11, 12 & 13): I			e latest	approved CSDR I	Plan prov	vided by	DCAR	C for				
cur	rent submission event	ts and	due dates.										
										15 TOTAL			
G PRE	PARED BY				H DATE			I APF	ROVED BY		J DATE		

COST AND SOFTWARE DATA REPORTING PLAN

Form Approved OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

		P	LEA	SE DO NOT RETU	JRN YO	UR COMP	PLETEI	FORM	TO THE ABOV	VE OR	GANIZ	ATION.			
1. MAJOR PROGRAM		a. NAME:					EELV	V - Evolv	ed Expendable L	aunch '	Vehicle				
1	b. PH.	ASE/MILEST	ONE			IME MISSI PRODUCT	ION	2. W	BS SYSTEM TYPE	3. SUBMISSIO N TYPE		SUBM	4. CURRENT 5. LAST SUBMISSION APPROVED I DATE DATE		
Pre-A		В	X	C-FRP	Launch Vehicle System Launc		Launch	Vehicle System	X INITI		L (YYY	YMMDD)	(YYY	YMMDD)	
A		C-LRIP		O&S							CHANG E	G 201	50814	203	140512
. POINT OF CO	ONTA	CT (POC) N ZIP Cod		E AND ADDRESS ((Include	NUME	ELEPHO BER (Inc ea Code	clude	6c. FAX NUM Area	IBER (Code)	Include		6d. E-MA	AIL ADDR	ESS
		SMC/LEP Co 483 N. Aviati Los Angele El Segundo, C	on Bl s AFE	vd 3		310-	-653-47]	15	310-65	3-3151			roy.brys	son@us.af	mil
7. PL	AN T	YPE		8. PREPARING ORGANIZATI		a. CONTR NAME/AD			9b. CONTR NUMBE		A	9c. PPROPRI	ATION		PROVED NUMBEI
PROGRAM	X	CONTRAC (PRIME)	Т	ON	i. PERFORMING ORGANIZATIO N		ii. DIV		FA811-16-C (TBD)	-000X			OT&E		5-C-C14
		CONTRAC (SUB)	Т	AF SMC/LE Program Control	T	BD	TE	BD			X		CUREME NT		
												С	0&M		
11. WBS ELE	WBS ELEMENT CODE 12. WBS REPORTING 1			S REPORTING E	LEMEN	TS			13. REPORTS (X if ap)				1921-3 BDR):	X	
PROGRAM/ ONTRACT/ JBCONTRA		NTRACT/ CONTRA							a. CWBS DICTIONAR Y	b. DE 1921 (CDS	1	OD 1921- CHR)	d. DD 1921-2 (PCR)	e. DD 1921-4 (CSR)	f. SRDR FORMA

1.0	1.0	Launch Vehicle System (GPS III)	X	X	X		
1.1	1.1	Mission Integration	X	X			
1.1.1	1.1.1	Mission Standard Integration	X	X			
1.1.2	1.1.2	Mission Unique Integration	X	X			
1.2	1.2	Mission Assurance	X	X			
1.3	1.3	Supplier Readiness	X	X			
1.4	1.4	Mission Unique Development/Design	X	X			
1.5	1.5	System Engineering, Integration, Test, Program Management	X	X	X		
1.5.1	1.5.1	Program Management	X	X	X		
1.5.2	1.5.2	System Engineering	X	X	X		
1.5.3	1.5.3	Factory Support	X	X	X		
1.5.4	1.5.4	Special Studies	X	X	X		
1.6	1.6	Transportation	X	X			
1.7	1.7	Launch Operations	X	X			
1.7.1	1.7.1	Launch Support	X	X			
1.7.1.1	1.7.1.1	Launch Crew (mate, checkout, launch)	X	X			
1.7.1.2	1.7.1.2	P/L Encapsulation	X	X			
1.7.2	1.7.2	Launch Operations SEPM	X	X	X		
1.7.2.1	1.7.2.1	Launch Operations Program Management	X	X	X		
1.7.2.2	1.7.2.2	Launch Operations System Engineering	X	X	X		
1.7.3	1.7.3	Site Maintenance	X	X	X		
1.7.3.1	1.7.3.1	Sustainment Propellants	X	X			
1.7.3.2	1.7.3.2	Other Maintenance	X	X			
1.7.4	1.7.4	Base Support	X	X	X		
1.7.5	1.7.5	Range Operations Services	X	X			
1.7.6	1.7.6	Propellants (Vehicle)	X	X			
1.8	1.8	Launch Vehicle	X	X	X		
1.8.1	1.8.1	Propulsion	X	X	X	† †	

1.8.1.1	1.8.1.1	Booster Engine	X	X	X		
1.8.1.2	1.8.1.2	Upper Stage Engine	X	X	X		
1.8.1.3	1.8.1.3	Solid Rocket Motors	X	X	X		
1.8.2	1.8.2	Payload Accommodations	X	X			
1.8.2.1	1.8.2.1	Payload Fairing	X	X	X		
1.8.2.2	1.8.2.2	Payload Attach Fitting (Adapter)	X	X	X		
1.8.2.3	1.8.2.3	Mission Unique Hardware	X	X	X		
1.8.3	1.8.3	Core Vehicle	X	X	X		
1.8.3.1	1.8.3.1	Booster Structure	X	X	X		
1.8.3.2	1.8.3.2	Intertank Adapter & Skirts	X	X	X		
1.8.3.3	1.8.3.3	Aft Transition Structure	X	X	X		
1.8.3.4	1.8.3.4	Heat Shield	X	X	X		
1.8.4	1.8.4	Upper Stage	X	X	X		
1.8.4.1	1.8.4.1	Upper Stage Structure	X	X	X		
1.8.4.2	1.8.4.2	Interstage Adapters, Stub Adapters, Forward Adapters	X	X	X		
1.8.5	1.8.5	Mission Assurance Instrumentation	X	X	X		
1.8.6	1.8.6	Guidance and Control (Avionics)	X	X	X		
1.8.7	1.8.7	Integration, Assembly, Test & Checkout (IAT&C)	X	X	X		
1.9	1.9	Training	X	X			
1.10	1.10	Other	X	X			
		Subtotal Cost		X			
		Reporting Contractor G&A		X			
		Reporting Contractor Undistributed Budget		X			
		Reporting Contractor Management Reserve		X			
		Reporting Contractor FCCM		X			
		Total Cost		X			_

	Re	porting Contractor Profit	X				
	То	tal Price	X				
DD FORM 2794, MAY 2011			PREVIOUS EDITION IS OBSOLETE				



a. SUBMISSION	b. FORM(S)	c. EVENT	d. AS OF DATE (YYYYMMDD)	e. DUE DATE (YYYYMMDD)
1	CWBS Dictionary	Initial CWBS Submission	20161130	20170131
2	1921, 1921-1	Initial Report - Initial Cost Report (GPS III)	20161130	20170131
3	1921, 1921-1	Final Cost Report (GPS III)	20161130	20190330

15. REMARKS

NON-RECURRING/RECURRING DEFINITIONS:

There are no refinements or expansions to these definitions warranted.

COST ACCOUNTING STANDARDS (CAS) DISCLOSURE STATEMENT DIFFERENCES:

Describe significant accounting changes from previous accounting period in the Remarks section of the reports, if applicable.

1921-3 CONTRACTOR BUSINESS DATA REPORT:

- a. The Contractor Business Data Report is prepared by and for the business entity (e,g., business unit, segment, or site) responsible for submitting the Forward Pricing Rate Proposal (FPRP) representing the basis for Forward Pricing Rate Agreement (FPRA) negotiations with the government.
- b. Reports are submitted annually at the end of the contractor's fiscal year.
- c. Data for Future Years should be reflective of the number of years contained in the most current document, i.e., the FPRP or the FPRA. If the document applies to more than three future years, attach additional future year sheets as required. In the absence of these documents, estimates should be provided for three future years.

SPECIAL INSTRUCTIONS: (1) Only provide an initial report (which will only have initial at completion estimates) and a final report (when actual costs are known) given the period of performance expected for the contract.(2) Develop a mapping approach to assign production, test, and check out costs / hours to those identified in the CSDR plan's section 1.7 (Launch Vehicle) elements. (3) Develop a mapping approach to assign engineering costs / hours to those identified in the CSDR plan's section 1.4 (System Engineering, Program Management) elements.(4) Either build a mapping plan to assign mission integration and launch operations costs / hours to those identified in the CSDR plan's section 1.1 (Mission Integration), section 1.5 (Transportation), and 1.6 (Launch Operations) elements or identify these as costs captured in the overhead costs. Discrete easily identifiable launch costs (specifically telemetry data) you would intend to break out.(5) Use the notes section in the form(s) to document your assumptions, allocations, mappings, etc.(6) For WBS 1.10 "Other" category, specifically define what these costs are in Remarks' section

DD FORM 2794 (PAGE 2), MAY 2011	PREVIOUS EDITION IS OBSOLETE	

(1 Data Item)

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			1				0						
A	CONTRACT LINE ITEM 9001	NO	B EX	THIBIT A	C CATEGORY	TDP		TM	OTHER	х			
D	SYSTEM / ITEM EELV		E	FA8811-16			F C	CONTRACTOR					
1	DATA ITEM NO A003	2 TITLE OF DAT		ır Report (DD F	Form 1921-1)			3 SUBTITLE					
4	AUTHORITY (Data Acqui	isition Document No.)	5 C	CONTRACT REFER	ENCE			6 REQUIRING OFFICE					
	DI-FNCL-81566C/T		l p	Performance Wo	ork Statement, Pa	га 3.1.4		SMC/LEP					
7	DD 250 REQ	9 DIST STATEM	—	0 FREQUENC		TE OF F	_	14 I	DISTRIBUTIO	N			
		REQUIRED			SU	BMISSIC	ON						
	LT			BLK 16	Bl	LK 16			b COPIES				
8	APP CODE	D	1	1 AS OF DAT	E 13 DA	TE OF							
						BSEQUE BMISSIC		a ADDRESSEE FINAL					
							/IN				_		
	N/A			BLK 16	BI	LK 16			Draft	Reg	Repro		
16	REMARKS							See Distribution List					
1. (BI	LK 4):												
а	Prepare in accordance	e with the CAIG C	hair appr	roved Cost and	Software Reporti	ng (CS	DR) Plan						
	provision, the WBS												
	(DoD 5000.4 M-1).												
	CCDR Manual is ava		fense Cos	st and resource (Center (DCARC)) websit	te at						
Ъ.	•		_	ring all CCDR	related formats is	S.			_				
	Defense Cost and Re	esource Center (DC)	ARC)										
	201 12th Street South												
	Suite 220												
	A-1: CA 22201	,											
	Arlington, CA 22202	2											
c.	Prepare CCDR data	in electronic format	in accor	dance with the	detailed instruction	ons con	tained in						
	Data Item Description	n DI-FNCL-81566	C. The re	equired file form	nat is Microsoft l	Excel			_				
	compatible spreadsh upload to the DCAR												
	methods and submis		The DC	AICC WEDSILE C	ontains informati	OII abol	ut deliver						
d.	Prime contractors are	e responsible for flo	wing dov	wn CCDR requi	rements contains	ed in the	eir prime						
•	contracts to all subco	entractors who meet	the repo	rting thresholds	. This includes r	equirin	g						
	subcontractors to ele												
	agrees, a copy of the	report may be prov	ided con	currently to the	prime or higher	ner con	tractor.						
e.	Contractor shall ident the remarks sections			nes, values, and	corresponding V	VBS ele	ements in						
2 (BI	LK 10, 11, 12 & 13): I			proved CSDP I	Dlan provided by	DCAP	C for						
	rent submission event		latest ap	proved CSDR1	ian provided by	DCAR	C IOI						
								15 TOTAL		1			
				I						1			
G PRE	PREPARED BY H DATE I APPROVE								J DATE				

(1 Data Item)

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A	CONTRACT LINE ITEM 9001	NO	В	EXHIBIT A	С	CATEGOR	Y: TDP		TM	OTHER	х	
D	SYSTEM / ITEM EELV			E CONTRACT	PR NO	0		F (CONTRACTOR			
1	DATA ITEM NO A004	2 TITLE OF DA		I M ess Data Report (D	D Fo	rm 1921-3)			3 SUBTITLE			
4	AUTHORITY (Data Acqui		5	CONTRACT REFER		1721 3)			6 REQUIRING OFFICE			
	DI-FNCL-81765B/T		1	Performance Wo		atement Pa	ага 3 1 4	1	SMC/LEP			
7	DD 250 REQ	9 DIST STATE REQUIRED	MENT	10 FREQUENC		12 DA	ATE OF F	IRST	14	DISTRIBUTIO	N	
	LT			BLK 16		R	LK 16				b COPIE	S
8	APP CODE	D		11 AS OF DAT	Œ	13 DA SU	ATE OF JBSEQUE JBMISSIO		a ADDRESSEE		F	INAL
	N/A			BLK 16		Bl	LK 16			Draft	Reg	Repro
16	REMARKS	•							See Distribution List			
1. (B	LK 4):											
	•	id d CATC	C1 .	10 . 1	c 6	n .		DD) M				
a.	Prepare in accordance provision, the WBS					_	-					
	(DoD 5000.4 M-1).											
	CCDR Manual is av		efense (Cost and resource	Cente	r (DCARC) websit	te at				
	http://dcarc.cape.osd	l <u>.mil/</u>										
ъ.	The responsible DoI				relate	d formats is	s:					
	Defense Cost and Re	esource Center (DC	CARC)									
	201 12th Street South	1										
	Suite 220											
	Suite 220											
	Arlington, CA 22200	2										
c.	Prepare Contractor I	Rusiness Data Reno	ort (CB	DR) data in electro	onic f	ormat in ac	cordanc	e with				
	the detailed instructi	ons contained in D	ata Iter	n Description DI-I	FNCL	-81565B. '	The req	uired file				
	must be submitted by	y report upload to	the DC	ARC's secure web	site.	The DCAR						
d.	Prime contractors are	e responsible for fl	lowing	down CCDR requi	ireme	nts containe	ed in the	eir prime				
	contracts to all subco											
	subcontractors to ele agrees, a copy of the											
e	Contractor shall iden	ntify major subcont	tractor i	names values and	- L corre	esponding V	WBS ele	ements in				
٠.	the remarks sections					osponom _B .						
2. (B	LK 10, 11, 13 & 13): 1	Please reference th	e latest	approved CSDR I	Plan p	rovided by	DCAR	C for				
cu	rrent submission event	ts and due dates.			_							
												<u> </u>
									15 TOTAL			
G PRI	EPARED BY			H DATE			I APP	ROVED BY	<u> </u>	J DATE	<u> </u>	<u> </u>
								-				

(1 Data Item)

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A	CONTRACT LINE ITEM 9001	NO	ВЕ	XHIBIT A	C CATE	GORY: TDI	•		TM	OTHER	х		
D	SYSTEM / ITEM EELV			E CONTRACT FA8811-1			I	F C	CONTRACTOR				
1	DATA ITEM NO A005	2 TITLE OF DA Contractor		reakdown Struct	ure (CWBS))			3 SUBTITLE				
4	AUTHORITY (Data Acqui		5	CONTRACT REFER		<u> </u>			6 REQUIRING OFFICE				
	DI-MGMT-81334D			Performance We	ork Statemer	nt. Para 3.	1.4		SMC/LEP				
7	DD 250 REQ	9 DIST STATE REQUIRED	MENT	10 FREQUENC		DATE OF	F FIRS		14 DIS	STRIBUTIO	N		
	LT			BLK 16		BLK 1	6				b COPIE	S	
8	APP CODE	D		11 AS OF DAT	TE 13	DATE OF SUBSEQ SUBMIS	F UENT		a ADDRESSEE		FI	NAL	
	A			BLK 16		BLK 1	6			Draft	Reg	Repro	
16	REMARKS								See Distribution List				
1. (BI	LK 4):												
a.	Prepare in accordance	e with the Contrac	t Cost D	ata Reporting (C	CDR) Manı	al (DoD 5	5000	.4-M-					
	1) and the guidance	-											
	Material Items', App Definitions. The CC												
Ъ.	The responsible Dol Defense Cost and Re			oring all CCDK									
	201 12th Street South												
	201 12" Street South												
	Suite 220												
	Arlington, CA 22202	2											
c.	Prepare CCDR data: Data Item Description							ined in		+			
	compatible spreadsh	eet. PDF format is	not acce	ptable. Microso	ft Word is a	ı acceptab	ole fo						
	for submission of the DCARC's secure we									+			
	submission instruction	ons.											
d.	Prime contractors are contracts to all subco							prime					
	subcontractors to ele					ocs requi	· · · · · · ·						
e.	The CWBS shall inc												
	1 through 4 of the Pr be identified.	ogram wBS. Any	differenc	ces between the	CWBS and I	тоgram v	VBS	snall					
2. (BI	LK 10, 11, 12 & 13):												
a. (CWBS and CWBS Di	ctionary date of fir	st submi	ssion is 60 CD a	fter Contrac	t Award.							
ъ. :	b. Subsequent submissions 30 CD after Fiscal Year end (Sep 30).												
c. 1	c. Please reference the latest approved CSDR plan provided by DCARC for current submission												
•	events and due dates.												
	Any redlines to the CV for Government review				provided to	SMC/LE	Pmo	onthly					
	Co. Camillant Tovice												
				_					15 TOTAL				
G PRE	PARED BY			H DATE		I A	APPRO	OVED BY		J DATE			

(1 Data Item)

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A	CONTRACT LINE ITEM 9001	NO	В	EXHIBIT A	C CATEGO	RY: TDP		TM	OTHER	х			
D	SYSTEM / ITEM EELV			E CONTRACT			F C	CONTRACTOR					
1	DATA ITEM NO A006	2 TITLE OF DA Integrated 1		i n Management Re	eport (IPMR)			3 SUBTITLE Integrated Master S	chedule				
4	AUTHORITY (Data Acqui		5	CONTRACT REFER				6 REQUIRING OFFICE					
7	DI-MGMT-81861/T DD 250 REQ	9 DIST STATEM	MENT	Performance Wo		ATE OF I	-	SMC/LEP	DISTRIBUTIO	N			
		REQUIRED				UBMISSI	ON			b COPIE			
8	APP CODE	D		MTHLY 11 AS OF DAT		OATE OF				6 COPIE	3		
0	AFF CODE	Б		II AS OF DAT	S	UBSEQUI UBMISSI		a ADDRESSEE		F	INAL		
	N/A			BLK 16	I	BLK 16			Draft	Reg	Repro		
16	REMARKS							See Distribution List					
1. (BI	LK 4):												
a.	The IMS shall complete The IMS shall complete IMS s					item 6.2	.1.1.5.						
b.	2.1.1 Electronic Subs												
	electronically using to requested by the Gov		edule t	ool and only in a	ecifically								
C.	2.2.5 Native Schedul	le Format Add the	followi	ng: The IMS shall	ork		_	 					
	capable scheduling s to allow sorting a filt	••					_						
	level summary view,												
	detail view.									 			
d.	2.6.1 <u>Submission Re</u> activity no later than						ring						
e.	3.7.1 IMS Requirem	ents Delete all refe	rences t	o the Integrated N	Master Plan (IM	P). An I	MP is not						
	required.												
f.	3.7.1.1.1 <u>Production</u> incorporated at the st												
	The interrelationship	s/interdependencie	s shall	be identified with	sufficient detai	led activ	ities						
	through the use of ne through contract con		ovide a	clear picture of the	he mission's pro	gress fr	om ATP						
g.	3.7.1.3.4.3 Scope Pla	•	owing.	Planning nackage	es shall be detai	led plan	ned into						
5.	discrete work packag	ges, or apportioned	tasks (a	as appropriate) no	later than one a	ccounti	ng period						
	prior to the schedule manner in which the	•		age. Planning pac	kage plans shal	reflect	the						
h	3.7.1.3.5.3 <u>Duration</u>	•		te/measureable ac	rtivities shall be	haselin	ed in						
11.	accordance with the	contractor's System	n Descr	iption Document.									
	44 working days, rat	ionale shall be prov	rided w	ithin the IMS.									
								15 TOTAL					
G PRE	PREPARED BY H DATE I APPROVED B						PROVED BY	BY J DATE					
	PREPARED BY H DATE I APPROV												

			CONTRAC	ΓD	ATA REQUIRE (1 Data Item)	MEN	TS LIST			
A	CONTRACT LINE ITEM NO 9001	В	EXHIBIT A	С	CATEGORY: TDP		x	TM	OTHER	
D	SYSTEM / ITEM EELV		E CONTRACT / FA8811-16	F	CONTR	ACTOR				

- 16 REMARKS
- i. 3.7.1.3.5.8 Driving Path Delete
- j. 3.7.1.3.5.9 <u>Critical Path</u> Add the following: Each mission's critical path shall show clear network logic through the launch operation schedule of activities. The launch operations data shall be provided to the Government using existing contractor schedule and format on a monthly basis. At the mission level, the critical path follows the standard definition (a critical path being the longest contiguous path through the network) flow from mission ATP through launch providing a clear network of logic of all tasks along the critical path. As a mission progresses, the critical path shall also include activities that have negative float. Where critical path is not calculated based on the longest path, but based on risk and development of known delivery problems, the critical path shall explain the deviation from the standard derived critical path.
- k. 3.7.1.3.5.10 Current Schedule Add the following: Reporting thresholds shall be consistent with the most recent DCMA 14 Point Assessment metrics.
- 3.7.1.3.5.15 External Dependencies Add the following: A network schedule for each mission shall clearly identify activities, product hand-offs and deliverables from external interfaces, from the lowest level of contract tasks/activities up to the summary level schedule activities and milestones. The determination of external significant and critical interfaces to be identified within the IMS requires agreement among the contractor(s) and Government and is documented accordingly.
- m. Delete 3.7 1 3.6 Schedule Risk Assessment (SRA)
- n. Delete 3.7 1 3.6 1 3.7 1 3.6 5
- o. 3.7.1.3.7.2 <u>Required traceability</u> Replace with: The WBS must be traceable for all discrete work in the IMS. Traceability may be met with a field in the IMS or via other means as long as discrete work reconciles.
- p. Delete 3.7 1 3.7 3. Item 4) Earned Value Technique (EVT)
- 2. (BLK 11) Last day of the contractor's monthly accounting period
- 3. (BLK 12) No later than 60 DACA
- 4. (BLK 13) Electronic copy shall be submitted NLT 14 federal working days after contractor's month end close
- (BLK 14) All IMS related forms must be electronically submitted to the central repository at the DCARC website at https://service.dcarc.cape.osd.mil/DCARCPortal/site/login.asox

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D	SYSTEM / ITEM EELV		1	E CONTRACT / FA8811-16		F	C	ONTRACTOR			
1	DATA ITEM NO A007	2 TITLE OF DAT				•		3 SUBTITLE Launch Vehicle Famil	iarization		
4	AUTHORITY (Data Acqui	isition Document No.)	5 (CONTRACT REFERI	ENCE			6 REQUIRING OFFICE			
	DI-ILSS-80872/T]	Performance Wo	rk Statement, Pa	ra 3.1.10		SMC/LEG			
7	DD 250 REQ	9 DIST STATEM REQUIRED	ENT :	10 FREQUENC		TE OF FIRST BMISSION		14 DIS	STRIBUTIO	N	
	LT			ASREQ	60	DACA			1	b COPIE	S
8	APP CODE	D	1	11 AS OF DAT	SU	TE OF BSEQUENT BMISSION		a ADDRESSEE		FI	NAL
	A			N/A		LK 16			Draft	Reg	Repro
16	REMARKS	•	<u> </u>					See Distribution List			
1. (Bl	LK 4):										
	Replace 10.1 with "10 The material shall be p										
	Delete 10.1.1								<u> </u>		
	Replace 10.2 with "10	2 Contents The I	aunch V	ehicle Familiaria	zation training m	aterials shall					
	consist of text, supple	mental written and							<u> </u>		
	Familiarization class."	,							<u> </u>		
d.	Replace 10.2.1 with										
	"10.2.1 The Launch V following elements:	ehicle hardware, so	ftware a	and ground interf	ace sections shal	l include the					
	A. Overall review of h	ardware or softwar	e elemer	nt function and co	onstruction		ı				
	B. Basic performance				onsiruction						
	C. Qualification appro										
		oden					- [
	D. Fault tolerance						- 1				
	E. Test questions for t	he student					-				
	F. Change summary sl	howing changes to	he mate	rial between vers	sions"		-				
е.	Delete 10.2.1.1 – 10.2	.1.7					-				
f .	Replace 10.2.2 with						- 1				
	"10.2.2 Required Mate	erial. The Launch	Vehicle I	Familiarization tr	aining materials	shall addres	s				
	the following element						- 1				
	1. Launch Vehic	ele Hardware and So	oftware				-				
	a. Booster						-				
	i. Structur	e					-		1		
	1. Prope	ellant Tanks							+		
	•	ary Transition Struc	ture				- 1		<u> </u>		
	3. Heat						}		+		
	3. Heat	Sincius						15 TOTAL			
								15 TOTAL			
G PRE	EPARED BY			H DATE		I APPROVE	DBY		J DATE		
				1		l					

			CONTRAC	ΓDA	ATA REQUIRE (1 Data Item)	MEN	TS LIST		
A	CONTRACT LINE ITEM NO 9001	В	EXHIBIT A	С	CATEGORY: X TDP		TM	OTHER	
D	SYSTEM/ITEM EELV		E CONTRACT / FA8811-16		F	CONTRACTOR			
16	DEMADES		•		•		•	•	

- REMARKS
- Propellant Feed Subsystems
- Avionics Structure
- Fairings
- ii. Booster Systems
 - 1. Booster Tank Pressurization
 - 2. Propellant Level Control Systems
 - 3. Propellant Utilization System
 - 4. Propellant Depletion System
 - 5. Retro-Rockets
 - 6. Separation and Ordnance Systems
- iii. Booster Propulsion
 - 1. Main engine
 - 2. Main engine hydraulics
- iv. SRB Propulsion
 - 1. Solid Rocket Booster
 - 2. Strap-On Attach Hardware
 - 3. CCB/SRB Umbilicals
- b. Upper Stage
- i. Structure
 - 1. Tanks
 - 2. Avionics Panels
- ii. Upper Stage System
 - 1. Propellant Level System
 - 2. Propellant Utilization System
 - 3. Pressurization and Venting System
 - 4. Helium System
 - 5. Reaction Control Thrusters
- Upper Stage Engine
- c. Payload Fairings and Payload Adapters
- d. Avionics and Electrical Systems
- i. Electrical Power Subsystem (EPS)
- ii. Guidance, Navigation, and Control (GNC) Subsystem
 - 1. Navigation Unit
 - 2. Flight Software
 - 3. Remote Command and Control Units
- iii. Ordnance Control Units
- **Batteries**
- Data Acquisition System (DAS) Telemetry Data Transmission System (TDTS)
- Tracking System
- vii. Flight Termination System (FTS)

PAGE 2 OF 3 PAGES Electronically Generated

			CONTRAC	ΤI	OATA REQUIRE (1 Data Item)	MENT	S LIST					
A	A CONTRACT LINE ITEM NO B EXHIBIT C CATEGORY: 9001 A TIM OTHER											
D	SYSTEM/ITEM EELV		E CONTRACT / FA8811-16		F	CONTRACTOR						

16 REMARKS

- 2. Ground Systems
 - a. Ground Command, Control Communications
 - b. Launch Mount and Umbilical System
 - c. Range Interface
 - d. Facility systems and capabilities
 - e. Launch site critical ground mechanical, structural and fluid/has systems
 - f. Ground electrical systems
 - 3. Launch Vehicle Processing
 - a. Manufacturing Facility
 - b. Factory Checkout and Test
 - c. Transportation
 - d. Receive and Inspection, Checkout and Test
 - e. Integrated Systems Test
 - f. Payload processing and Integration
 - g. Launch Vehicle and Facility Walkdown process
 - h. Launch Countdown and Launch
 - 4. Launch Vehicle System and Systems Engineering
 - a. Mission Profiles and Vehicle Capability
 - b. Requirements and Verification
 - c. Standard analyses performed by all disciplines during each mission integration cycle
 - i. Analysis Scope
 - ii. Tools Utilized
 - d. Risk Identification, Tracking, and Resolution criteria/process
 - e. Types of Contractor Work Authorization Documents
 - 5. Contractor organizational structure, roles and responsibilities"
- 2. (BLKs 13): Updates to the training shall be submitted to reflect the latest United States Government certified/approved launch system configuration.

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D	SYSTEM / ITEM EELV		•	E CONTRACT				F	СО	NTRACTOR								
1	DATA ITEM NO A008	2 TITLE OF DA Program Pr		1 n Implementation	Plan ((PPIP)				3 SUBTITLE								
4	AUTHORITY (Data Acqui		5	CONTRACT REFER		,				CONTRACTOR								
	DI-ADMN-81306		-	Performance Wo	ork Sta	ntement Pa	ara 3 1 1	11	4									
7	DD 250 REQ	9 DIST STATES REQUIRED	MENT	10 FREQUENC		12 DA	ATE OF F	IRST		_	STRIBUTIO	N						
	LT			ASREQ		DI	LK 16				Т	b COPIE	S					
8	APP CODE	D		11 AS OF DAT	ГЕ	13 DA SU	ATE OF JBSEQUE			a ADDRESSEE		FI	NAL					
	A			N/A			љмissio LK 16	ON			Draft	Reg	Repro					
16	REMARKS								+	See Distribution List								
1. (BI	LK 4):10.1 Content R	equirements							1									
	a. 10.1.a Replace w																	
	-	d the defined Progr nplementation of C							111 -									
	(PWS)."	•																
	b. Add "10.1.d Def	finitions of contract				<u></u>												
	point where the	contractor loses con	nfigura	tion management	al	`		1										
		. COTS hardware). Iditions to Governm			as	Ī												
	c. Add "10.1.e Def	inition of contracto	or identi	ified vulnerabilitie	on													
	incidents and ho	w/when they are re	eported	to the Governmen	nt."	V												
	d. Add "10.1.f Defi					_			L									
		w/when they are re bility of all Critical	_						L									
	e. Add "10.1.g For	Supply Chain Risl	k Mana	gement counterme	easures	s aspects; p	provide	a	ŀ		<u> </u>							
		ipplier information Nanufacturer (e.g. (-		<u> </u>							
		omponents). If CCs at also be provided.							-									
	name, address, w	vebsite, type (Mani	ufacture	er or Vendor), and	CAGI	E code. Ti			, ,		<u> </u>							
2 (7)		ic to where the con	-	being acquired/m	nanufa	ctured."			┝									
•	LK 8): Approval shall	be by Contracts le	tter.						ŀ		1							
`	LK 10, 12, and 13): Draft PPIP shall be s	when itted 20 CD of	A	sist of the EELV I	Dec gene	m Drataatii	on Dian	(DDD)	Ī									
a.	with the contractor-s		iter rece	apt of the EELV F	Piogiai	m Protectio	on Plan	(PPP)										
ъ.	Final PPIP shall be s	ubmitted 30 CD af	fter rece	ipt of Governmen	nt com	ments to th	ne Draft	PPIP.										
c.	c. Updates shall be submitted as significant revision to the PPP are made or by PCO direction.								L									
									L									
									Ļ									
									ļ									
									ŀ									
									┝	15 TOTAL								
C DDT	EPARED BY			H DATE			T ADD	PROVED B	15 TOTAL BY J DATE									
G FRE	A CIVED DI			n DAIE			1 APP	KUVEDB	,1		DATE							

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D	9001 SYSTEM / ITEM			E CONTRACT	/ PR NO			F (CONTRACTOR			
_	EELV			FA8811-1				,	CONTRACTOR			
1	DATA ITEM NO	2 TITLE OF DA							3 SUBTITLE			
	A009	As Built C	onfigura	ntion List (ABCL))				Launch Vehicle Conf	iguration		
4	AUTHORITY (Data Acqui	isition Document No.)	5	CONTRACT REFER	ENCE				6 REQUIRING OFFICE			
<u> </u>	DI-CMAN-81516/T		<u> </u>	Performance Wo					SMC/LEE			
7	DD 250 REQ	9 DIST STATES REQUIRED	MENT	10 FREQUENC	CY		TE OF F		14 DI	ISTRIBUTIO	N	
	LT		L	ONE/R		45	DACA	A			b COPIE	S
8	APP CODE	D		11 AS OF DAT	Έ	SU	TE OF BSEQUE BMISSIO		a ADDRESSEE		F	INAL
	A			N/A		A	SREQ			Draft	Reg	Repro
16	REMARKS								See Distribution List			
1. (B	LK 4):											
a.	Replace 3.1 with the	following:										
	.1 The list shows the 1			on and critical gro	und s	upport equi	pment s	specific				
l	the launch service deli		ntract."									
Ъ.	Replace 10.2.1 with	the following:										
	0.2.1 Part name, part i											
	mber and revision as a mponent installed in th				, asser	mbly, subas	sembly	, part or				
Col	inponent instance in u	ie end item at time	or raunc	CII.								
2. (B)	LK 13): Revisions sha	ll be ASREQ when	a chan	ge occurs.								
										1		
										1		
									15 TOTAL			
G PRI	EPARED BY			H DATE			I APP	PROVED BY	•	J DATE	•	

(1 Data Item)

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KE10.	KIN your form to either o	Tillese addresses Sei	id comple	ied form to the Go	verimiei	ii issuing C	оппаст	ig officer to	T the Contract/FR No listed in Bloc	JK E			
A	CONTRACT LINE ITEM 9001	NO	В Е	XHIBIT A	С	CATEGORY	Y: TDP		TM	OTHER			
D	SYSTEM / ITEM EELV		1	E CONTRACT FA8811-1		06		F (CONTRACTOR				
1	DATA ITEM NO A010	2 TITLE OF DA Test Plan	TA ITEM						3 SUBTITLE Launch Vehicle Test	and Verific	ation Plan		
4	AUTHORITY (Data Acqui	isition Document No.)	1	CONTRACT REFER Performance Wo		tement. Pa	ara 3.2.5		6 REQUIRING OFFICE SMC/LEG				
7	DD 250 REQ	9 DIST STATEM REQUIRED		10 FREQUENC		12 DA	ATE OF FI	RST	14 D	ISTRIBUTIO	ON		
	LT			ASREQ		90	DACA				b COPIE	S	
8	APP CODE	D	1	11 AS OF DAT	E	SU	ATE OF JBSEQUE JBMISSIO		a ADDRESSEE		F	INAL	
	A			N/A		ВІ	LK 16			Draft	Reg	Repro	
16	REMARKS								See Distribution List				
1. (BI	LK 4): Replace 2 with "2. Ge	neral The test plan	shall do	cument in detail	the co	ntractor's	nlan for						
c	conducting tests and a	nalyzing the test res	sults to sl	how how the sys	tem, w	hen fielde	d, will s	satisfy					
	he requirements of the Subsystem and Systen		•	•									
t	ested under worst cas	e or flight like cond	itions pr	ior to lift off. E	fied as								
	est like you fly (TLY) shall execute testing a				ontractor								
b . I	Replace 3 with "3. For	rmat. The plan shall	be in the	e contractor's fo	printable		1						
C	on standard size paper	, e.g. 8 ½ x 11 or A	4."				1						
	Replace first paragrap												
	ests to be accomplish following:	ed in the order they	are to be	e performed incl	uding,	but not lin	nited to,	, the					
	1. Flight critical co	mponent qualificati	on (test o	or analysis), unit	accept	tance test a	and lot			1			
		nvironment test requirement origin for a						erance,		1			
	equipment confi		п арриса	aoie iaunch vem	cie and	ground st	иррогі			1			
	 Flight critical co Factory, test site 						ion requ	irements.					
	a) Requirem	ents shall include e	ach phas	se of testing (e.g.	, hotfir	e, wet dre	ss rehea						
	_	vel high pressure pr ents during that criti		etc.) and the per	formar	nce verific	ation						
	b) System-le	evel retest matrix fo	r flight c										
	 Flight software t Test bed, analysis 							ir					
	verification and	rationale for credibl	e use in	this effort;		-							
		es—identify the act and technical infor											
	identify wh	en prototype, engir		-	_	-	-	_		1	†		
	models wil b) Analysis/S	l be used. imulation. List all n	nodels an	nd simulations to	he use	ed for each	n nhase (of test		+			
	and verific	ation; explain the ra			1								
	validation (c) Special Re	effort. quirements—discus	d		1								
	resources s	uch as: special data	processi	ing/database, un	ique ma	apping/cha	arting p	roducts,		+			
	extreme pr	ysical environment	conditio	ns or restricted/s	special	use air/sea	a/iandsc	capes.		+	 		
										+			
										+			
									15 TOTAL				
C DDT	EDADED DV			II DATE			I ADD	DOTTED DY					
G PRE	EPARED BY			H DATE	ROVED BY		J DATE						

			CONTRAC	T DATA REQ (1 Data Ite		MENTS I	LIST		
A	CONTRACT LINE ITEM NO 9001	В	EXHIBIT A	C CATEGORY	TDP		TM	OTHER	
D	SYSTEM/ITEM EELV		E CONTRACT FA8811-1			F C	ONTRACTOR		
2. 3. 4 5. (1)	REMARKS 6. Details on how the contractor will descripted a requirements, test procedures, requirements and executive participation in noted documentation. 7. Ground system test requirements and A separate listing for each location shall bed. Replace last paragraph of 4.9 with "Valida contractor will use to validate the test result and perform component and system requirements and perform component and system requirements and perform component and system requirements and participation in noted documents. (BLKs 10 & 13) a. Submit test plan for Government approvation modification. b. Submit revisions to the Government-approximation, as required, to incorporate Changes will be formalized by bi-lateral will be formalized by bi-lateral formalized mitigation rationale shall be provided. Environmental test and performance requirements and equate mitigation rationale shall be provided. Component and System testing philosophy sitested under worst case or flight like conditional like you fly (TLYF) exceptions and submitted.	remen: on require n or re dd verif ne prov ation p ults, in nement nentation ul 90 D roved t chang contrac require ded and ment si hall en	ent and perform cets verification, testirements as well views. Fication plan. Fided. Each listing procedure. An overluding details on its, test procedures on and execution for reviews." DACA to be formated the plan to reflect the document modification. Each require approval hall be based on consure all componer or to lift off. Executive services as a part of the process of the	omponent and syst readiness review as USG team according shall include the erview of the process how the contractors, requirements as wellized by bi-lateral at the latest launch and or upon PCO did art of the program by the Government by the Government of the program of the government of the program of th	following following dures the forwill described as Use of the following foll	ng:" nat the ocument n, test SG team et	See Distribution List		
G	PREPARED BY		H DATE		I APPR	ROVED BY	15 TOTAL	J DATE	
								1	

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A CONTRAC 9001	T LINE ITEM	NO	В	EXHIBIT A	С	CATEGORY	Y: TDP		х	TN	1	(OTHER		
D SYSTEM / EELV	ITEM			E CONTRACT		06		F	CO	ONTRACTOR					
1 DATA ITE	M NO	2 TITLE OF DA									TTLE				
A011	TW (D) ()	Test Proce	_	CONTRACT DEFEN	PNOF				-		ht Hardwar		ce Check	S	
4 AUTHORI	IY (Data Acqui	isition Document No.)	5	CONTRACT REFER	ŒNCE				4	6 REQU	JIRING OFFIC	Æ			
	I-80603A/T		<u> </u>	Performance Wo					4		C/LEG				
7 DD 250 RE	Q	9 DIST STATES REQUIRED	MENT	10 FREQUENC	CY		ATE OF FI IBMISSIO			14		DIST	RIBUTIO		
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8 APP CODE	Ē	D		11 AS OF DAT	ΓE	SU	ATE OF IBSEQUE IBMISSIO			a A	DDRESSEE			F	NAL
N/A				N/A		BI	LK 16						Draft	Reg	Repro
16 REMARKS	S									See Distrib	ution List				
1. (BLK 4):									4						
		ormat. The test proof g. 8 ½ x 11 or A4.		shall be in an elect	tronic fo	ormat and	printab	ole on							
		.2.5 Safety Requir		Chacklist A safets	v raquir	ament che	acklist s	hall be	K L						
		hazardous condition						nan oe							
2. (BLKs 10, 12	2 & 13):								N						
		each Fit Check te	et						L						
				1.0 C 1.F.	CI 1				L						
b. Submit the	As-run pro	ocedures 14 CD aft	er com	pletion of each Fit	Check	test.									
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