

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 REQUIREMENTS

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

<u>CODE</u>	<u>WHEN USED</u>
LT	Letter of Transmittal only

b. Block 8: Approval code

<u>CODE</u>	<u>WHEN USED</u>
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
CA = Contract Award
CO = Change Order
SA = Supplemental Agreement
SRR = System Requirements Review
SDR = System Design Review
PDR = Preliminary Design Review
EOC = End of Contract

CDR = Critical Design Review
IPR = In Process Review
FCA = Functional Configuration Audit
PCA = Physical Configuration Audit
FLT = Flight Test Review
CD = Calendar Days
WD = Working Days
ATP = Authority to Proceed

ILC = Initial Launch

DACA = Days After Contract Award*

* 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
3. 30th Launch Group **30 LCG**
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

^ For Launches from Vandenberg Air Force Base (VAFB)

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

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.

CONTRACT DATA REQUIREMENTS LIST

(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.

A CONTRACT LINE ITEM NO 9001		B EXHIBIT A		C CATEGORY: TDP		TM		OTHER		X		
D SYSTEM / ITEM EELV			E CONTRACT / PR NO FA8811-16-R-0006			F CONTRACTOR						
1 DATA ITEM NO A001		2 TITLE OF DATA ITEM Data Accession List (DAL)				3 SUBTITLE						
4 AUTHORITY (Data Acquisition Document No.) DI-MGMT-81453A/T			5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.3			6 REQUIRING OFFICE SMC/LEE						
7 DD 250 REQ LT		9 DIST STATEMENT REQUIRED D		10 FREQUENCY MTHLY		12 DATE OF FIRST SUBMISSION 30 DACA		14 DISTRIBUTION				
8 APP CODE N/A				11 AS OF DATE N/A		13 DATE OF SUBSEQUENT SUBMISSION MTHLY		a ADDRESSEE		b COPIES		
										Draft		FINAL Reg Repro
16 REMARKS 1. (BLK 4): a. Data Accession List (DAL) will be cumulative. b. List is not to include data generated by other CDRLs on contract. c. The DAL shall contain pointers (links) to the contractor's electronic data systems file names or document location in the online database. 2. (BLK 13): Technical data shall be added to the online dataset within 10WD after release								See Distribution List				
								15 TOTAL				
G PREPARED BY				H DATE		I APPROVED BY			J DATE			

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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A CONTRACT LINE ITEM NO 9001		B EXHIBIT A		C CATEGORY: TDP TM OTHER X	
D SYSTEM / ITEM EELV		E CONTRACT / PR NO FA8811-16-R-0006		F CONTRACTOR	
1 DATA ITEM NO A002	2 TITLE OF DATA ITEM Cost Data Summary Report (DD Form 1921)			3 SUBTITLE	
4 AUTHORITY (Data Acquisition Document No.) DI-FNCL-81565C/T		5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.4		6 REQUIRING OFFICE SMC/LEP	
7 DD 250 REQ LT	9 DIST STATEMENT REQUIRED D	10 FREQUENCY BLK 16	12 DATE OF FIRST SUBMISSION BLK 16	14 DISTRIBUTION	
8 APP CODE N/A		11 AS OF DATE BLK 16	13 DATE OF SUBSEQUENT SUBMISSION BLK 16	a ADDRESSEE	b COPIES
				Draft	Reg Repro
16 REMARKS 1. (BLK 4): a. Prepare in accordance with the CAIG Chair approved Cost and Software Reporting (CSDR) Plan provision, the WBS Data Dictionary, and the Contract Cost Data Reporting (CCDR) Manual (DoD 5000.4 M-1). Use the latest revisions of the CSDR Plan and the WBS Dictionary. The CCDR Manual is available from the Defense Cost and resource Center (DCARC) website at http://dcarc.cape.osd.mil/ b. The responsible DoD office for receiving and storing all CCDR related formats is: Defense Cost and Resource Center (DCARC) 201 12 th Street South Suite 220 Arlington, CA 22202 c. Prepare CCDR data in electronic format in accordance with the detailed instructions contained in Data Item Description DI-FNCL-81565C. The required file format is Microsoft Excel compatible spreadsheet. PDF format is not acceptable. These reports must be submitted by report upload to the DCARC's secure website. The DCARC website contains information about deliver methods and submission instructions. d. Prime contractors are responsible for flowing down CCDR requirements contained in their prime contracts to all subcontractors who meet the reporting thresholds. This includes requiring subcontractors to electronically report directly to DCARC and SMC/LEP. If the subcontractor agrees, a copy of the report may be provided concurrently to the prime or higher tier contractor. e. Contractor shall identify major subcontractor names, values, and corresponding WBS elements in the remarks sections of the DD Form 1921. 2. (BLK 10, 11, 12 & 13): Please reference the latest approved CSDR Plan provided by DCARC for current submission events and due dates.				See Distribution List	
G PREPARED BY		H DATE		I APPROVED 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.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.

1. MAJOR PROGRAM		a. NAME:		EELV - Evolved Expendable Launch Vehicle															
b. PHASE/MILESTONE						c. PRIME MISSION PRODUCT		2. WBS SYSTEM TYPE		3. SUBMISSION TYPE		4. CURRENT SUBMISSION DATE (YYYYMMDD)		5. LAST APPROVED PLAN DATE (YYYYMMDD)					
	Pre-A		B	X	C-FRP	Launch Vehicle System		Launch Vehicle System		X	INITIAL	20150814		20140512					
	A		C-LRIP		O&S						CHANG E								
6a. POINT OF CONTACT (POC) NAME AND ADDRESS (Include ZIP Code)						6b. TELEPHONE NUMBER (Include Area Code)		6c. FAX NUMBER (Include Area Code)		6d. E-MAIL ADDRESS									
SMC/LEP Cost Chief 483 N. Aviation Blvd Los Angeles AFB El Segundo, CA 90245						310-653-4715		310-653-3151		roy.bryson@us.af.mil									
7. PLAN TYPE				8. PREPARING ORGANIZATION		9a. CONTRACTOR NAME/ADDRESS		9b. CONTRACT NUMBER		9c. APPROPRIATION		10. APPROVED PLAN NUMBER							
	PROGRAM	X	CONTRACT (PRIME)			i. PERFORMING ORGANIZATION		FA811-16-C-000X (TBD)			RDT&E		AF-05-C-C14						
			CONTRACT (SUB)		AF SMC/LE Program Control	TBD				TBD		X			PROCUREMENT				
										O&M									
11. WBS ELEMENT CODE				12. WBS REPORTING ELEMENTS				13. REPORTS REQUIRED (X if applicable)		DD 2011-3 (CBDR):									
a. PROGRAM/ CONTRACT/ SUBCONTRACT		b. CONTRACT/ SUBCONTRACT						a. CWBS DICTIONARY		b. DD 2011-3 (CDSR)		c. DD 2011-1 (FCHR)		d. DD 2011-2 (PCR)		e. DD 2011-4 (CSR)		f. SRDR FORMATS	

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				

		Reporting Contractor Profit/Loss or Fee						X						
		Total Price						X						
DD FORM 2794, MAY 2011						PREVIOUS EDITION IS OBSOLETE								

14. CSDR SUBMISSION DATES

a. SUBMISSION	b. FORM(S)	c. EVENT	d. AS OF DATE	e. DUE DATE
			(YYYYMMDD)	(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		

CONTRACT DATA REQUIREMENTS LIST	
(1 Data Item)	
1	Contract Data Requirements List

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[illegible]

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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A CONTRACT LINE ITEM NO 9001		B EXHIBIT A		C CATEGORY: TDP TM OTHER X			
D SYSTEM / ITEM EELV		E CONTRACT / PR NO		F CONTRACTOR			
1 DATA ITEM NO A004	2 TITLE OF DATA ITEM Contractor Business Data Report (DD Form 1921-3)			3 SUBTITLE			
4 AUTHORITY (Data Acquisition Document No.) DI-FNCL-81765B/T		5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.4		6 REQUIRING OFFICE SMC/LEP			
7 DD 250 REQ LT	9 DIST STATEMENT REQUIRED D	10 FREQUENCY BLK 16	12 DATE OF FIRST SUBMISSION BLK 16	14 DISTRIBUTION			
8 APP CODE N/A		11 AS OF DATE BLK 16	13 DATE OF SUBSEQUENT SUBMISSION BLK 16	a ADDRESSEE	b COPIES FINAL Draft Reg Repro		
16 REMARKS 1. (BLK 4): a. Prepare in accordance with the CAIG Chair approved Cost and Software Reporting (CSDR) Plan provision, the WBS Data Dictionary, and the Contract Cost Data Reporting (CCDR) Manual (DoD 5000.4 M-1). Use the latest revisions of the CSDR Plan and the WBS Dictionary. The CCDR Manual is available from the Defense Cost and resource Center (DCARC) website at http://dcarc.cape.osd.mil/ b. The responsible DoD office for receiving and storing all CCDR related formats is: Defense Cost and Resource Center (DCARC) 201 12 th Street South Suite 220 Arlington, CA 22202 c. Prepare Contractor Business Data Report (CBDR) data in electronic format in accordance with the detailed instructions contained in Data Item Description DI-FNCL-81565B. The required file format is Microsoft Excel compatible spreadsheet. PDF format is not acceptable. These reports must be submitted by report upload to the DCARC's secure website. The DCARC website contains information about deliver methods and submission instructions. d. Prime contractors are responsible for flowing down CCDR requirements contained in their prime contracts to all subcontractors who meet the reporting thresholds. This includes requiring subcontractors to electronically report directly to DCARC and SMC/LEP. If the subcontractor agrees, a copy of the report may be provided concurrently to the prime or higher tier contractor. e. Contractor shall identify major subcontractor names, values, and corresponding WBS elements in the remarks sections of the DD Form 1921. 2. (BLK 10, 11, 13 & 13): Please reference the latest approved CSDR Plan provided by DCARC for current submission events and due dates.				See Distribution List			
G PREPARED BY		H DATE		I APPROVED BY		J DATE	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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A CONTRACT LINE ITEM NO 9001		B EXHIBIT A		C CATEGORY: TDP TM OTHER X	
D SYSTEM / ITEM EELV		E CONTRACT / PR NO FA8811-16-R-0006		F CONTRACTOR	
1 DATA ITEM NO A005	2 TITLE OF DATA ITEM Contractor Work Breakdown Structure (CWBS)			3 SUBTITLE	
4 AUTHORITY (Data Acquisition Document No.) DI-MGMT-81334D/T		5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.4		6 REQUIRING OFFICE SMC/LEP	
7 DD 250 REQ LT	9 DIST STATEMENT REQUIRED D	10 FREQUENCY BLK 16	12 DATE OF FIRST SUBMISSION BLK 16	14 DISTRIBUTION	
8 APP CODE A		11 AS OF DATE BLK 16	13 DATE OF SUBSEQUENT SUBMISSION BLK 16	a ADDRESSEE	b COPIES Draft Reg Repro
16 REMARKS				See Distribution List	
1. (BLK 4):					
a. Prepare in accordance with the Contract Cost Data Reporting (CCDR) Manual (DoD 5000.4-M-1) and the guidance in Military Standard 881C, "Work Breakdown Structures for Defense Material Items", Appendix J (T), "Launch Vehicle Systems work Breakdown Structure and Definitions. The CCDR Manual is available at the DCARC website http://dcarc.cape.osd.mil/					
b. The responsible DoD office for receiving and storing all CCDR related formats is: Defense Cost and Resource Center (DCARC)					
201 12 th Street South					
Suite 220					
Arlington, CA 22202					
c. Prepare CCDR data in electronic format in accordance with the detailed instructions contained in Data Item Description DI-MGMT-81334D. The required file format is Microsoft Excel compatible spreadsheet. PDF format is not acceptable. Microsoft Word is an acceptable format for submission of the CWBS Dictionary. These reports must be submitted by report upload to the DCARC's secure website. The DCARC website contains information about deliver methods and submission instructions.					
d. Prime contractors are responsible for flowing down CCDR requirements contained in their prime contracts to all subcontractors who meet the reporting thresholds. This includes requiring subcontractors to electronically report directly to DCARC and SMC/LEP.					
e. The CWBS shall include up to Level 4 of indenture. Contractor shall provide reporting for Levels 1 through 4 of the Program WBS. Any differences between the CWBS and Program WBS shall be identified.					
2. (BLK 10, 11, 12 & 13):					
a. CWBS and CWBS Dictionary date of first submission is 60 CD after Contract Award.					
b. Subsequent submissions 30 CD after Fiscal Year end (Sep 30).					
c. Please reference the latest approved CSDR plan provided by DCARC for current submission events and due dates.					
d. Any redlines to the CWBS dictionary after first submittal shall be provided to SMC/LEP monthly for Government review and DCARC coordination.					
15 TOTAL					
G PREPARED BY		H DATE		I APPROVED BY	
				J DATE	

(1 Data Item)

A	CONTRACT LINE ITEM NO 9001	B	EXHIBIT A	C	CATEGORY: TDP	TM	OTHER	X
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D	SYSTEM / ITEM EELV	E	CONTRACT / PR NO FA8811-16-R-0006	F	CONTRACTOR
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1	DATA ITEM NO A006	2	TITLE OF DATA ITEM Integrated Program Management Report (IPMR)	3	SUBTITLE Integrated Master Schedule
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4	AUTHORITY (Data Acquisition Document No.) DI-MGMT-81861/T	5	CONTRACT REFERENCE Performance Work Statement, Para 3.1.4	6	REQUIRING OFFICE SMC/LEP
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7	DD 250 REQ	9	DIST STATEMENT REQUIRED	10	FREQUENCY	12	DATE OF FIRST SUBMISSION	14 DISTRIBUTION			
	LT				MTHLY		BLK 16	a ADDRESSEE	b COPIES		
8	APP CODE			D	11	AS OF DATE	13		DATE OF SUBSEQUENT SUBMISSION	Draft	FINAL
	N/A		BLK 16			BLK 16		Reg	Repro		

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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A	CONTRACT LINE ITEM NO 9001	B	EXHIBIT A	C	CATEGORY: TDP	X	TM	OTHER
D	SYSTEM / ITEM EELV	E	CONTRACT / PR NO FA8811-16-R-0006	F	CONTRACTOR			

16 REMARKS

- i. 3.7.1.3.5.8 Driving Path – Delete
- j. 3.7.1.3.5.9 Critical Path 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.
- l. 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 Required traceability 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
5. (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.aspx>

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A CONTRACT LINE ITEM NO 9001		B EXHIBIT A		C CATEGORY: X TDP		TM		OTHER	
D SYSTEM / ITEM EELV			E CONTRACT / PR NO FA8811-16-R-0006			F CONTRACTOR			
1 DATA ITEM NO A007		2 TITLE OF DATA ITEM Training Materials				3 SUBTITLE Launch Vehicle Familiarization			
4 AUTHORITY (Data Acquisition Document No.) DI-ILSS-80872/T			5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.10			6 REQUIRING OFFICE SMC/LEG			
7 DD 250 REQ LT		9 DIST STATEMENT REQUIRED D		10 FREQUENCY ASREQ		12 DATE OF FIRST SUBMISSION 60 DACA		14 DISTRIBUTION	
8 APP CODE A				11 AS OF DATE N/A		13 DATE OF SUBSEQUENT SUBMISSION BLK 16		a ADDRESSEE	
								b COPIES	
								FINAL	
								Draft Reg Repro	
16 REMARKS						See Distribution List			
1. (BLK 4):									
a. Replace 10.1 with "10.1 <u>Format</u> . The material provided shall be in the contractor's own format. The material shall be printable on standard size paper, e.g. 8 1/2 x 11 or A4; foldouts are allowed."									
b. Delete 10.1.1									
c. Replace 10.2 with "10.2 <u>Contents</u> . The Launch Vehicle Familiarization training materials shall consist of text, supplemental written and audio-visual material used to support the Launch Vehicle Familiarization class."									
d. Replace 10.2.1 with									
"10.2.1 The Launch Vehicle hardware, software and ground interface sections shall include the following elements:									
A. Overall review of hardware or software element function and construction									
B. Basic performance requirements and interfaces									
C. Qualification approach									
D. Fault tolerance									
E. Test questions for the student									
F. Change summary showing changes to the material between versions"									
e. Delete 10.2.1.1 – 10.2.1.7									
f. Replace 10.2.2 with									
"10.2.2 <u>Required Material</u> . The Launch Vehicle Familiarization training materials shall address the following elements (as appropriate for the Launch Service provided):									
1. Launch Vehicle Hardware and Software									
a. Booster									
i. Structure									
1. Propellant Tanks									
2. Primary Transition Structure									
3. Heat Shields									
15 TOTAL									
G PREPARED BY				H DATE		I APPROVED BY		J DATE	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A CONTRACT LINE ITEM NO 9001	B EXHIBIT A	C CATEGORY: X TDP TM OTHER
D SYSTEM / ITEM EELV	E CONTRACT / PR NO FA8811-16-R-0006	F CONTRACTOR
16 REMARKS 4. Propellant Feed Subsystems 5. Avionics Structure 6. 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 iii. 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 iv. Batteries v. Data Acquisition System (DAS) Telemetry Data Transmission System (TDTS) vi. Tracking System vii. Flight Termination System (FTS)		

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D	SYSTEM / ITEM EELV	E	CONTRACT / PR NO FA8811-16-R-0006	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 / PR NO FA8811-16-R-0006		F CONTRACTOR			
1 DATA ITEM NO A008	2 TITLE OF DATA ITEM Program Protection Implementation Plan (PPIP)			3 SUBTITLE			
4 AUTHORITY (Data Acquisition Document No.) DI-ADMN-81306		5 CONTRACT REFERENCE Performance Work Statement, Para 3.1.11		6 REQUIRING OFFICE SMC/LEE			
7 DD 250 REQ LT	9 DIST STATEMENT REQUIRED D	10 FREQUENCY ASREQ	12 DATE OF FIRST SUBMISSION BLK 16	14 DISTRIBUTION			
8 APP CODE A		11 AS OF DATE N/A	13 DATE OF SUBSEQUENT SUBMISSION BLK 16	a ADDRESSEE	b COPIES FINAL Draft Reg Repro		
16 REMARKS 1. (BLK 4):10.1 <u>Content Requirements</u> a. 10.1.a Replace with "Description detailing how the PPIP aligns with the Government PPP methodology and the defined Program Protection schedule activities/events. Description shall also addresses implementation of Government Program Protection contractual direction (PWS)." b. Add "10.1.d Definitions of contractor Criticality Analysis methods to further define Government PPP Critical Components (CC) detail. CC detail must be provided down to the point where the contractor loses configuration management control of the CC internal components (e.g. COTS hardware). Criticality Analysis results should be provided as modifications/additions to Government PPP content." c. Add "10.1.e Definition of contractor identified vulnerabilities and Program Protection incidents and how/when they are reported to the Government." d. Add "10.1.f Definition of contractor identified vulnerabilities and Program Protection incidents and how/when they are reported to the Government. Also, describe methods to ensure accountability of all Critical Program Information (CPI) handled by the contractor." e. Add "10.1.g For Supply Chain Risk Management countermeasures aspects; provide a detailed set of supplier information for all CCs and components that handle CPI. A supplier can either be a Manufacturer (e.g. Original Equipment Manufacturer) or a Vendor (sells Manufacturer components). If CCs are purchased from a Vendor, the Manufacturer information must also be provided. Required supplier details include: CC supplied, company name, address, website, type (Manufacturer or Vendor), and CAGE code. These details should be specific to where the component being acquired/manufactured." 2. (BLK 8): Approval shall be by Contracts letter. 3. (BLK 10, 12, and 13): a. Draft PPIP shall be submitted 30 CD after receipt of the EELV Program Protection Plan (PPP) with the contractor-specific annex. b. Final PPIP shall be submitted 30 CD after receipt of Government comments to the Draft PPIP. c. Updates shall be submitted as significant revision to the PPP are made or by PCO direction.				See Distribution List			
G PREPARED BY		H DATE		I APPROVED BY			
				J DATE			

(1 Data Item)

A	CONTRACT LINE ITEM NO 9001	B	EXHIBIT A	C	CATEGORY: TDP	TM	OTHER	X
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D	SYSTEM / ITEM EELV	E	CONTRACT / PR NO FA8811-16-R-0006	F	CONTRACTOR
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1	DATA ITEM NO A009	2	TITLE OF DATA ITEM As Built Configuration List (ABCL)	3	SUBTITLE Launch Vehicle Configuration
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4	AUTHORITY (<i>Data Acquisition Document No.</i>) DI-CMAN-81516/T	5	CONTRACT REFERENCE Performance Work Statement, Para 3.2.4.	6	REQUIRING OFFICE SMC/LEE
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7	DD 250 REQ	9	DIST STATEMENT REQUIRED	10	FREQUENCY	12	DATE OF FIRST SUBMISSION	14			DISTRIBUTION				
	LT				ONE/R		45 DACA	a ADDRESSEE			b COPIES				
8	APP CODE		D	11	AS OF DATE	13	DATE OF SUBSEQUENT SUBMISSION				Draft			FINAL	
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D SYSTEM / ITEM EELV		E CONTRACT / PR NO FA8811-16-R-0006		F CONTRACTOR					
1 DATA ITEM NO A011	2 TITLE OF DATA ITEM Test Procedure			3 SUBTITLE Flight Hardware Interface Checks					
4 AUTHORITY (Data Acquisition Document No.) DI-NDTI-80603A/T		5 CONTRACT REFERENCE Performance Work Statement, Para 3.4.11		6 REQUIRING OFFICE SMC/LEG					
7 DD 250 REQ LT	9 DIST STATEMENT REQUIRED D	10 FREQUENCY BLK 16	12 DATE OF FIRST SUBMISSION BLK 16	14 DISTRIBUTION					
8 APP CODE N/A		11 AS OF DATE N/A	13 DATE OF SUBSEQUENT SUBMISSION BLK 16	a ADDRESSEE	b COPIES Draft Reg Repro				
16 REMARKS 1. (BLK 4): a. Replace 2 with: "2. Format. The test procedure shall be in an electronic format and printable on standard size paper, e.g. 8 1/2 x 11 or A4." b. Replace 3.2.5 with: "3.2.5 Safety Requirement Checklist. A safety requirement checklist shall be included to document hazardous conditions that will exist during the test activity." 2. (BLKs 10, 12 & 13): a. Submit 90 CD prior to each Fit Check test. b. Submit the As-run procedures 14 CD after completion of each Fit Check test.				See Distribution List					
				15 TOTAL					
				G PREPARED BY		H DATE		I APPROVED BY	
				J DATE					