DATA REQUIREMENT

CONTRACT APPLICATION INFORMATION FOR DRL Encoder/Decoder	A. Item No. DRD-001

B. Line Item Title:

Software Test Plan and Testing Procedures

C. OPR	D. Type	E. Inspect/Accept	F. Freq.	G. Initial Sub.	H. As Of Date
NE-E3	1	3	AR	See Block I	See Block I

I. Remarks:

The Software Test Plan and Testing Procedures shall be submitted 14 calendar days prior to the test date for review and approval. The Plan shall include Command and Control Structure to allow interfacing to the unit. The Contractor shall submit type "D", electronic copies that are compatible with Microsoft Office 2007 products or future versions as determined by the Government. The Contractor shall also publish this DR electronically on the Contractor's Performance Management System in a Government accessible location and format.

J. Distribution	Totals	
	No.	Type
Launch Vehicle Electrical Systems Branch/Mail Code: NE-E3 (1D)	1	D

DATA REQUIREMENT DESCRIPTION

1. Title	2. Number
Plan, Software Test	001
3. Use To develop, implement, and maintain a Software Test Plan and Testing Procedures describing the Contractor's approach to verification of all requirements and modifications detailed in the Statework of Work for each deliverable unit. This will include Command and Control stucutre for external interfacing to the unit.	4. Date 5. Organization KSC
7. Interrelationship	6. References 1.4.1

8. Preparation Information

The Software Test Plan and Test Procedures shall describe the Contractor's testing approach and planned methods for verifying and validating the software requirements and modifications detailed in the Statement of Work.

The SoftwareTest Plan shall be able to validate all features, capabilities, and requirements included in the Statement of Work and included Appedices.

INSTRUCTIONS FOR COMPLETING CONTRACT APPLICATION INFORMATION

A. **LINE ITEM NO**. Sequentially number line items beginning with number 001.
B. **LINE ITEM TITLE** - Enter the title of the data item, as shown in the Statement of Work (SOW), the RFP and/or as directed by the CTM.
C. **OPR (OFFICE OF PRIMARY RESPONSIBILITY)** - Enter the organization designated to exercise technical and/or administrative control over the data requirement. Use approved organizational code.
D. **TYPE** - Enter "Type of Data" code as follows:

Code	Description
1	Data requiring written approval by the procuring activity prior to implementation into the procurement or development program.
2	Data submitted to the procuring activity for review not later than three weeks prior to project implementation. Data shall be considered approved unless the contractor has been notified of disapproval prior to project implementation.
3	Data submitted to the procuring activity for coordination, surveillance, or information.
4	Data retained by the contractor to be made available to the procuring activity upon request. The contractor shall furnish a list to the procuring activity.
5	Data to be retained by the contractor and reviewed by NASA on request.

E. **INSPECT/ACCEPT** - Enter inspection Acceptance code as follows:

Code	Inspection	Acceptance	Code	Inspection	Acceptance
1	Source	Source	4	Certificate of Conformance	(Mandatory)
2	Destination (OPR)	Destination (OPR)	5	Certificate of Conformance	(Optional)
3	Source	Destination (OPR)	6	No Inspection Required	No Acceptance Required

F. **FREQUENCY OF SUBMISSION** - Enter the frequency of submission code as follows:

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
AD	AS DIRECTED	PC	PER CONTRACT	PV	PER VEHICLE
AN	ANNUAL	PD	PER FAILURE	QU	QUARTERLY
AR	AS REQUIRED	PE	PER EVENT	RD	AS RELEASED
BE	BIENNIAL	PF	PER FACILITY	RT	ONE TIME & REVISIONS
BM	BIMONTHLY (every two months)	PG	PER PROGRAM	SA	SEMI ANNUALLY
BW	BIWEEKLY (every two weeks)	PI	PER EQUIPMENT END ITEM	SM	SEMI MONTHLY
DA	DAILY	PJ	PER PROJECT	TY	THREE YEAR PERIOD
DD	DEFERRED DELIVERY	PL	PER LAUNCH FLIGHT MISSION	UR	UPON REQUEST
MO	MONTHLY	PS	PER SYSTEM	WK	WEEKLY
OT	ONE-TIME	PT	PER TEST		

G. **INITIAL SUBMITTAL** - Enter date of initial submittal as follows: Month/Day/Year. If calendar date is not scheduled, enter number of days preceding, or following, event to which the data requirement is related (e.g., 90 days prior to launch). Amplify in REMARKS, Item J, if necessary.
H. **AS OF DATE** - For "Onetime Only" submittals, enter date by Month/Day/Year. For recurring submittals, enter number coding (e.g., 30/10, 90/10, 15/5, etc.) The first digit(s) indicate the number of calendar days from the reporting period's (Block F) start to the data preparation cut off. The second digit(s), after the slash, indicate the number of calendar days from the cut off to the submittal date. Example: If Block F were "MO" and Block H were "30/10", the data would include the entire month and would be submitted within 10 days thereafter.
I. **REMARKS:** Enter in this space.
   a. Minor exceptions to the DRD.
   b. Stipulation of specific forms when multiple forms are authorized on the DRD.
   c. The paragraph, page, etc., in an existing contract where the data requirement is specified. (This data may be removed at final approval.)
   d. Additional submittal information, if necessary.
J. **DISTRIBUTION** - Enter organizational symbol, number of copies, and type of copy code(s) (in parenthesis) required for each office. Type of copy codes are as follows:

CODE	DEFINITION	CODE	DEFINITION
A	Regular	C	Microfilm, Aperture Cards
B	Reproducible	D	Others, (Explain in remarks, Item J).

Example Entries: IS-PRO-2 (1A) = One regular copy. IS-PO-3 (5 A, 1B) = Five Regular copies, One Reproducible copy.
Enter the total number of copies by type in the space provided.

INSTRUCTIONS FOR COMPLETING DATA REQUIREMENT DESCRIPTION

GENERAL - The Data Requirement Description (DRD) will be prepared to describe the content and provide preparation information for data required in support of NASA programs.

1. **TITLE** - Enter the title or type of document required. The first word of the title should be a principal noun which best establishes the basic concept of the data. Subsequent words should be appropriate modifiers.

   Examples: Plan, Project Development (SIVB)
   Specification, Test (GSE)
   Report, Quarterly Progress
   Proposal, Engineering Change (ECP)
2. **NUMBER** - Enter the appropriate number assigned to the DRD. This number will identify the appropriate data category.
3. **USE** - Enter a synopsis of the use of the document, stating reason for the requirement.
4. **DATE** - Enter date of preparation.
5. **ORGANIZATION** - Identify the installation preparing the DRD.
6. **REFERENCES** - List applicable documents by number, (NASA Management Manual, Mil Specifications, Federal Standards, NASA Procurement Regulation, etc.) to which the preparing office (e.g., NASA installation, contractors, etc.) may refer for additional information concerning the data requirement.
7. **INTERRELATIONSHIP** - Enter all affected approved DRDs within the scope of the program when the DRD under preparation creates a significant impact or interface relationship with existing DRDs. Include a brief narrative of the impact or relationship created and a statement that the new DRD does not cause a conflict with other DRDs.
8. **PREPARATION INFORMATION** - Provide ample information for preparation of the data required by the data requirements description; include all necessary details of preparation to satisfy the originator's formal requirements.