

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

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

12. ACCOUNTING AND APPROPRIATION DATA (If required)

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

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

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

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

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

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

The purpose of this amendment is to extend the closing date for proposal submissions, make changes to the RFP and provide answers to questions received.

I. Changes to the RFP

a. SF 33:

1. Box 9 of the SF 33 is revised as follows:

Sealed offers in original and **3 copies along with a digital copy** for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if hadcarried, in the depository located in Building 222, Room 115 until **1000 local time 08/02/2011**.

b. Section I:

1. The following clauses are hereby incorporated by reference:

- 52.245-1 Government Property (AUG 2010)
- 52.245-9 Use and Charges (AUG 2010)
- 252.245-7001 Tagging Labeling and Marking of Government Furnished Property (FEB 2011)
- 252.245-7002 Reporting Loss of Government Property (FEB 2011)
- 252.245-7003 Contractor Property Management System Administration (MAY 20101)

c. Specification Document **NCST-S-MI026D**:

1. Table 3.2.6-1 BAPTA Mechanisms "Primary Structure" Design Limit Loads is revised as follows:

Table 3.2.6-1 - BAPTA Mechanism "Primary Structure" Design Limit Loads

	Preload	Design	
BAPTA-Sewer Pipe IF Lat Shear (lb _f)	340	2,800	
BAPTA-Sewer Pipe IF Fz (lb _f)	-5,675	-11,200	2100
BAPTA-Sewer Pipe IF Lat Bending Moment (lb _f -in)	1600	23,240	
BAPTA-Sewer Pipe IF Mz (lb _f -in)	0	0	
BAPTA Stat Shaft Loads at Rot I/F Lat Shear (lb _f)	750	8,260	
BAPTA Stat Shaft Loads at Rot I/F Fz (lb _f)	-5,675	-11,340	2520
BAPTA Stat Shaft Loads at Rot I/F Lat Bending Moment (lb _f -in)	750	32,200	
BAPTA Stat Shaft Loads at Rot I/F Mz (lb _f -in)	0	70	
BAPTA Lower Flange Summed Radial Load (lb _f)	375	3,290	

2. Figure 3.2.6-8 is revised as follows:

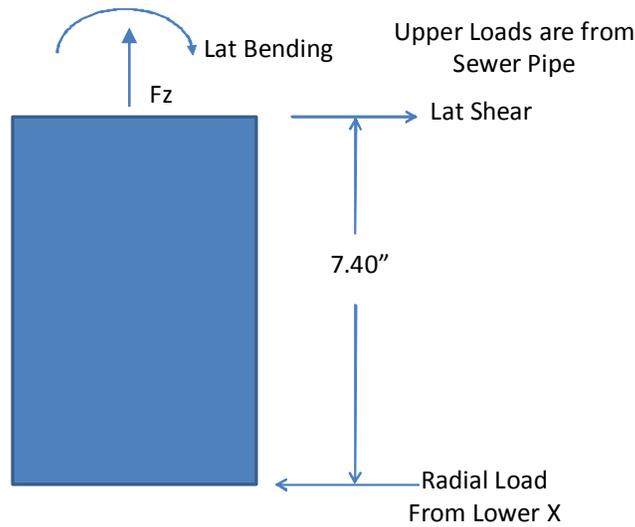


Figure 3.2.6-8 - Design Loads - BAPTA Mechanism Rotating Side
(Assumes a Notional 7.4" Span Between Sewer Pipe and Lower X)

3. Figure 3.2.6-9 is revised as follows:

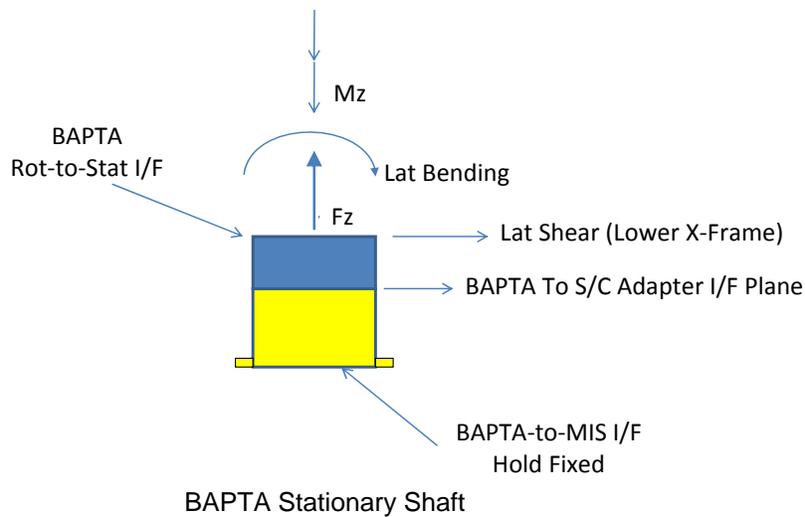
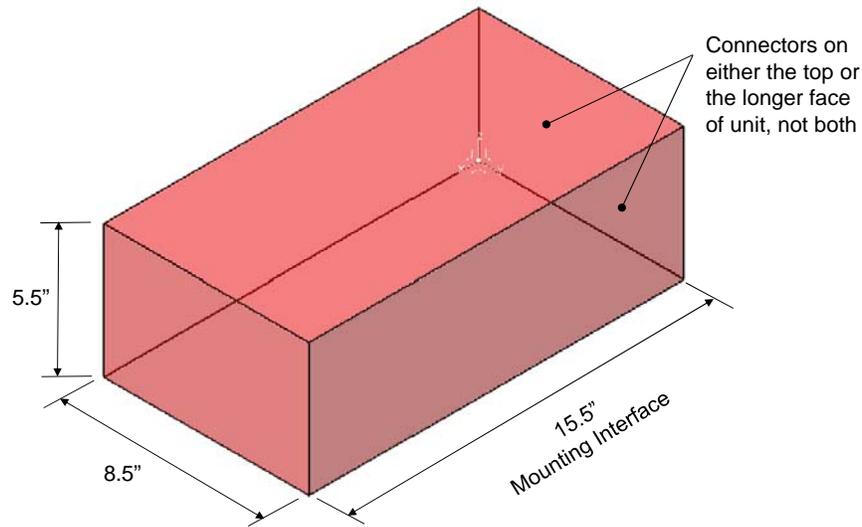


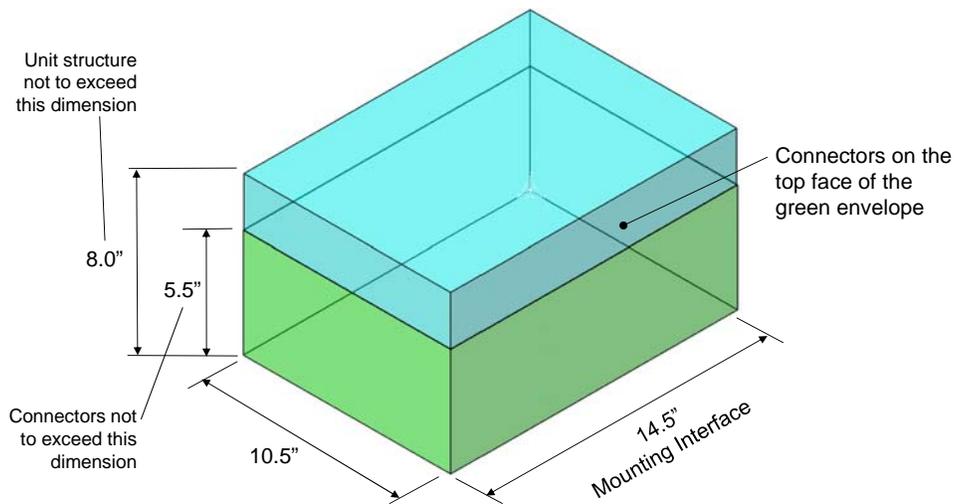
Figure 3.2.6-9 - Design Loads - BAPTA Mechanism Stationary Side

4. Table 3.2.1-1 for requirements S-MI026-10345 delete values “8 inches tall x 10.5 inches x 15.5 inches” and replace with “See Figure 3.2.3-7.”

5. Figure 3.2.3-7 is to be deleted and replaced with the following figure:



BAPTA-E Envelope Option #1



2

Envelope only applies for units with connectors on the top face

BAPTA-E Envelope Option #2

Figure 3.2.3-7 – BAPTA Electronics Envelope Options

III. Questions and answers

Q1 - Please reference: BAPTA specification NCST-S-MI026D, page 3-2, volume and weight spec requirements S-MI026-10345 and S-MI026-0001. Are these requirements for the total of the primary and redundant BAPTA-E (2 units) or for a single unit?

A1 - Requirement S-MI026-0001 BAPTA Electronics maximum weight is for a single BAPTA-Electronics box that contains both the primary and redundant electronics inside.

Q2 – Table 4-1 Schedule for Delivery of Government Furnished Equipment in document NCST-D-MI042 has the Thermal Vacuum Test Chamber for EM BAPTA System Life Test at NRL listed as item #7. Please clarify if this item will be furnished to the Contractor.

A2 – The NRL Thermal Vacuum Test Chamber will not be delivered to the Contractor. It will remain at NRL. It is anticipated that the installation & setup of the BAPTA into the NRL Thermal Vacuum Test Chamber for life test at NRL will be straightforward and any support from the vendor for the life test will be included in SOW Section 3.3.6 Training and Post-delivery support.

Q3 – Please provide clarification of the loads in table 3.2.6-1. Our understanding is that the "Design" column shows limit loads resulting on a system originally preloaded as shown in the "Preload" column. Are all loads to be applied simultaneously, with worst case independently reversing components?

A3 – Yes, the design limit loads are to be applied simultaneously using the compressive Fz design limit load column as one case and the tensile Fz (deployment driven) load column as another case. The preload column is provided for knowledge of preload-only static loading.

Q4 – Loads applied at BAPTA-Sewer Pipe IF do not appear to be in static equilibrium with those reacted at the BAPTA-Stat Shaft IF.

A4 – The loads at the BAPTA rotating-to-stationary and BAPTA stationary-to-Spacecraft interfaces appear to not be in equilibrium because, for specification loads development, the BAPTA was treated as a simple cantilevered beam with enveloped design loads applied at convenient rotating and stationary interfaces. This was done to simplify loads definition and application as well as method of constraint; however, the actual method of

support for the BAPTA is more like a fixed-guided beam with a redundant lower lateral support (legs of lower X) so the internal load distribution within the BAPTA does not exactly match (i.e., follow the Free Body Diagram) the simple cantilevered beam assumption used in the specification.

Q5 – Re: BAPTA Specification NCST-S-MI026D, Paragraph 3.2.2.2 (S-MI026-10010 - Maximum Drag Torque) "...BAPTA Mechanism drag torque shall be 0.85 N-m (120 inch-oz) TBR..." Will higher drag torque be acceptable?

A5 – At this time the current requirement for the maximum combined BAPTA Mechanism drag cannot increase. This requirement is driven by the capabilities of the DWSS spacecraft which is still being designed. For this proposal, the requirement has to remain at 0.85 N-m.

IV. All other terms and conditions remain unchanged.