

**REQUEST FOR MODIFICATION FOR  
CONTRACT NO. W9127N-04-D-0009, ACTUATION TEST EQUIPMENT COMPANY  
TYPE 1 OPTIMIZER (INDEX TEST BOX)**

**MODIFICATION CASE NO. ~~82~~ 01**

**1. BACKGROUND.** Type 1 optimization refers to the software and equipment to conduct automatic, unattended, index tests on Kaplan hydraulic turbines. An index test is a relative efficiency test performed to determine the shape of the optimum efficiency profile and the optimum cam curve to be inputted to the governor or control unit. A cam curve denotes the relation between the angle of the blades on the runner and the opening of the wicket gates, for a given head. This contract is intended to produce a working, prototype Type 1 Optimizer and validate the operational concept of the unit to conduct automatic, unattended, index tests on Kaplan hydraulic turbines.

Case No.	Mod No.	Award Date	Description	Award Amount	Cumulative Awd Amt	Obligated Amount	Cumulative Obl Amt	Completion Date
Base		25 May 04	McNary Pwhse Kaplan Turbines	\$4,309,440.00	\$4,309,440.00	\$160,000.00	\$160,000.00	31 May 09
1	1		Rev SOW/Admin Changes	\$0.00	\$4,309,440.00	\$0.00	\$160,000.00	31 May 09

**2. NECESSITY OF MODIFICATION.** Due to unforeseen difficulty interfacing to the existing GDACS computer system, request modification to extend the dates on the enclosed Revised Statement of Work (changes to POC Part I, No. 1.2; Changes to Part 3, date change on No. 3.4.1; and correction on Item 3.4.2.6.; added No. 3.4.2.9a). This is a no cost administrative modification to the contract.

**3. SCHEDULE.** This modification does not alter the scheduled completion date of this contract of 31 May 2009.

**4. LINE ITEM.** There are no changes to the line items.

**5. PRICING.** Not applicable.

**6. FUNDING.** Labor code for your use is \_\_\_\_\_.

**7. COORDINATION.** If you have any questions or concerns regarding this action, please contact Renee Inabnitt, CENWP-EC-CR-A, Ext. 4816.

**8. ADMINISTRATION.** Upon award of this modification, please FAX a copy to Douglas Albright, Actuation Test Equipment Company, (815) 335-2770, or email [dudleydevices@aol.com](mailto:dudleydevices@aol.com). In addition, please provide copies to CENWP-EC-CR-A (Renee Inabnitt) and CENWP-HDC-P, ATTN: Ed Miska or email [edward.p.miska@usace.army.mil](mailto:edward.p.miska@usace.army.mil).