

PANAMA CANAL AUTHORITY		VARIATION	PAGE 1 OF 2
1. REQUEST FOR PROPOSAL No.:	2. CONTRACT No.:	3. DATE:	4. VARIATION No.:
RFP-76161	CMC-221427	August 23, 2012	046 (R)

5. ISSUED BY:

PANAMA CANAL AUTHORITY
Employer's Representative
Locks Project Management Division
Building 740, Corozal
Panama, Republic of Panama

6. NAME AND ADDRESS OF CONTRACTOR (INCLUDE PHYSICAL & POSTAL ADDRESS)	7. CONTRACTOR'S TELEPHONE NUMBER:
Grupo Unidos por el Canal, S.A. Building 22B, Brujas Road Cocoli, Republic of Panama	507-316-9900
	8. CONTRACTOR'S FACSIMILE NUMBER:

9. VARIATION:

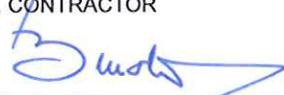
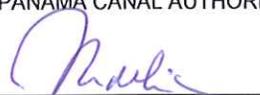
- The contract referred to in item No. 2 is hereby varied as set forth in item 10, entitled "DESCRIPTION OF VARIATION".
 YES. NO. The contractor shall send a copy, duly signed, of this Variation to the Employer's Representative/Contracting Officer.

	9 A. THIS VARIATION IS EXECUTED ON THE BASIS OF: (Specify the legal authority). THE VARIATION DESCRIBED IN ITEM 10 IS HEREBY INCORPORATED AND MADE A PART OF THE CONTRACT.
	9 B. THE CONTRACT REFERRED TO IN ITEM NO. 2, IS VARIED TO INCORPORATE ADMINISTRATIVE CHANGES (such as the paying office, account numbers, etc.).
X	9 C. THIS BILATERAL AGREEMENT IS SIGNED AND INCORPORATED INTO THE CONTRACT REFERRED TO IN ITEM NO. 2 OF THIS FORM, ON THE BASIS OF: (Specify the legal authority) Volume III, Conditions of Contract, Sub-Clause 1.16 [Entire Agreement].]
	9 D. OTHER. (Specify manner and the legal authority).
	9 E. ACCOUNT NUMBER (If required):

10. DESCRIPTION OF THE VARIATION (List in accordance with the order of the Contract. If additional space is required, use blank sheets).

See attached

Except for the variation(s) herein specified, all other terms and conditions of the Contract remain unchanged.

11. NAME AND TITLE OF THE PERSON AUTHORIZED TO SIGN (Type or print)	12. NAME AND TITLE OF THE EMPLOYER'S REPRESENTATIVE/CONTRACTING OFFICER (Type or print)		
Bernardo Gonzalez Contractor's Representative	Jorge de la Guardia, Employer's Representative		
13. CONTRACTOR	14. DATE:	15. PANAMA CANAL AUTHORITY	16. DATE:
 (Authorized signature)	28/08/2012	 (Employer's Representative/Contracting Officer's signature)	23/08/2012

Variation No. 46 (R) is issued to incorporate the following changes:

1. **Volume II, Part 2, Section 33 82 00 [Cabling for Underground Communication Outside Plant]** - Delete Paragraph 1.03 B.4.a.5) and 1.03 B.4.a.7) entirely and replace them with the following, respectively:

"5) *Fibers shall be arranged in loose buffer tubes. Fibers and buffer tubes shall have standard color coding for easy identification in accordance with TIA 598-A*"

"7) *Water resistant, thixotropic (stable), non-toxic, easy to remove gel shall be used in loose tubes only; elsewhere, gel is unacceptable*"
(RFV-124)

2. **Volume II, Part 2, Section 40 96 45.19 [Process Control Software]** - Delete Paragraph 1.04 B.6.a entirely and replace it with the following:

"a. **Color Legend Volts – Alternating Current (VAC) Distribution:**

1) 12,000 VAC lines – Cyan

2) 480 VAC lines – Dark Green

3) Open lines – White

4) Communication Error – Orange" (RFI-455)

3. **Volume III, Sub-Clause 1.1.2.8, "Design Subcontractor"** – At the end of the paragraph, include the following sentence: "*,and any other design Subcontractor previously and expressly consented by the Employer's Representative during the execution of the Works.*"

There is no time and cost impact to the Locks Contract as a consequence of this Variation.

