

Grossack Marshall J  
 Form 4  
 February 24, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Grossack Marshall J

2. Issuer Name and Ticker or Trading Symbol  
 ALLIED WORLD ASSURANCE CO HOLDINGS LTD [AWH]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 \_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 EVP, Chief Actuary

(Last) (First) (Middle)  
 ALLIED WORLD ASSURANCE CO HOLDINGS, LTD, 27 RICHMOND ROAD  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/22/2010

PEMBROKE, BERMUDA, D0 HM 08  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)	
				(A) or (D)	Price			
				Code	V	Amount		
Common Shares	02/22/2010		A	(1)	26,250	A	\$ 0 51,292	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price or Value of Underlying Securities (Instr. 3 and 4)
Restricted Stock Units	(2)	02/22/2010		A	3,300 (2)	(3) (3)	Common Shares	1,980 (2)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Grossack Marshall J ALLIED WORLD ASSURANCE CO HOLDINGS, LTD 27 RICHMOND ROAD PEMBROKE, BERMUDA, D0 HM 08			EVP, Chief Actuary	

## Signatures

/s/ Wesley D. Dupont, by Power of Attorney  
Date: 02/24/2010

Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
  - \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Represents the Company's Common Shares that were earned pursuant to a 2007 LTIP award for no monetary consideration and which vested at 150% of target based on the achievement of pre-established performance criteria during the applicable three-year performance period established under the Company's Amended and Restated Long-Term Incentive Plan.
- (1) Grant of Restricted Stock Units for no monetary consideration. 3,300 Restricted Stock Units convert into (i) 1,980 of the Company's Common Shares and (ii) cash equal to the market value of 1,320 Common Shares (measured at the date of vesting) upon the vesting of such Restricted Stock Units.
  - (2) The Restricted Stock Units vest in four equal installments with the first installment vesting on February 22, 2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.