

KAYSER DONALD ROBERT JR  
 Form 3  
 December 17, 2004

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL  
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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
KAYSER DONALD ROBERT JR		(Month/Day/Year) 12/09/2004	3D SYSTEMS CORP [TDSC]	
(Last)	(First)	(Middle)		
C/O 3D SYSTEMS CORPORATION, 26081 AVENUE HALL				4. Relationship of Reporting Person(s) to Issuer
(Street)				5. If Amendment, Date Original Filed (Month/Day/Year)
VALENCIA, CA 91355				
(City)	(State)	(Zip)		

(Check all applicable)

Director     10% Owner  
 Officer     Other  
 (give title below)    (specify below)  
 Vice President

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 Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common stock	11,500	D	À

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)
Employee stock option (right to buy) <sup>(1)</sup>	01/19/2005	01/19/2014	Common Stock	10,000	\$ 13.57	D	Â
Employee stock option (right to buy) <sup>(1)</sup>	01/19/2006	01/19/2014	Common Stock	10,000	\$ 13.57	D	Â
Employee stock option (right to buy) <sup>(1)</sup>	01/19/2007	01/19/2014	Common Stock	10,000	\$ 13.57	D	Â
Employee stock option (right to buy) <sup>(1)</sup>	01/19/2008	01/19/2014	Common Stock	10,000	\$ 13.57	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KAYSER DONALD ROBERT JR C/O 3D SYSTEMS CORPORATION 26081 AVENUE HALL VALENCIA, CA 91355	Â	Â	Â Vice President	Â

## Signatures

/s/ Robert M. Grace, Jr.,  
Attorney-in-fact

12/16/2004

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

(1) Non-qualified stock option.

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### Remarks:

Exhibit List

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Exhibit 24 - Power of Attorney

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.