September 21, 2007

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

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

ATSI COMMUNICATIONS, INC.

(Exact name of registrant as specified in its charter)

Nevada 74-2849995

(State or other jurisdiction of incorporation or organization) (II

(IRS Employer Identification No.)

3201 Cherry Ridge Road, Suite 300C, San Antonio, Texas 78230

(Address of Principal Offices)(Zip Code)

ATSI Communications, Inc. 2005 Stock Compensation Plan

(Full title of the plan)

Arthur L. Smith Executive Officer 3201 Cherry Ridge Road, Suite 300C San Antonio, Texas 78230 (210) 614-7240

(Name and address of agent for service) (Telephone number, including area code, of agent for service)

Copy to:

Lawrence E. Wilson Franklin, Cardwell & Jones 1001 McKinney, 18th Floor Houston, Texas 77002 (713) 222-6025

CACULATION OF REGISTRATION FEE

	Pro	posed M	axımu	ım			Amount
Title of Securities	Amount to be O	ffering Pr	ice pe	er Propo	sed Maximum	of	Registration
to be Registered	Registered(1)(2)	Share(3) A	ggregate	Offering Price	(3)	Fee(3)
Common stock, \$.001 par value per							
share	10,000,000	\$.20	\$	2,000,000	\$	61.40

(1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended, this registration statement shall also cover any additional shares of common stock that become issuable by reason of any unit dividend, unit split, recapitalization

or any other similar transaction effected without the receipt of consideration which results in an increase in the number of the registrant's outstanding common stock. In addition, pursuant to Rule 415(c) under the Securities Act of 1933, this registration statement also covers an indeterminate amount of interests to be offered or sold pursuant to the employee benefit plan described herein.

(2) Represents 10	0,000,000 additional	shares of commo	on stock of th	e registrant iss	uable pursuant to	o awards a	vailable
for grant under th	ne ATSI Communicat	tions, Inc. 2005 S	tock Compen	sation Plan, as	amended.		

` /	Rule 457(h) under the		, ,	•	1 1
C	mount of the registration	n fee based on the av	erage of the high and	low prices reported as	of September
14, 2007.					

REGISTRATION OF ADDITIONAL SECURITIES

This registration statement on Form S-8 registers additional securities of the same class as other securities of the registrant for which a registration statement on Form S-8 is effective. Pursuant to General Instruction *E. Registration of Additional Securities* to Form S-8, the contents of the earlier registration statement, Form S-8 No. 333-130313 filed with the Securities and Exchange Commission (the "Commission") on December 14, 2005, is hereby incorporated by reference. Any information required in this registration statement that is not in the earlier registration statement is included herein.

EXHIBITS.

Unless otherwise indicated below as being incorporated by reference to another filing of the registrant with the Commission, each of the following exhibits is filed herewith:

Description
Opinion of Franklin, Cardwell & Jones
ATSI Communications, Inc. 2005 Stock Compensation Plan (incorporated by reference to Exhibit 4.1 to the registrant's Form S-8 No. 333-130313 filed with the Commission on December 14, 2005)
First Amendment to ATSI Communications, Inc. 2005 Stock Compensation Plan
Consent of Malone & Bailey, PC, Independent Registered Public Accounting Firm
Consent of Franklin, Cardwell & Jones (included in Exhibit 5.1)
Power of Attorney (included on Signature Page)

SIGNATURE PAGE

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Antonio, and the State of Texas, on September 20, 2007.

ATSI COMMU	NICATIONS, INC.
By:	/s/ Arthur L. Smith
	Arthur L. Smith Chief Executive Officer
By:/s/ Antonio l	Estrada
Antonio Est Corporate C	- • • • • • • • • • • • • • • • • • • •

POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints Arthur L. Smith and Antonio Estrada true and lawful attorneys-in-fact and agents, each acting alone, with full powers of substitution and re-substitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, each acting alone, full powers and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, each acting alone, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed below by the following persons in the capacities indicated on September 20, 2007.

/s/ John R. Fleming	/s/ Arthur L. Smith
John R. Fleming Director	Arthur L. Smith Director
/s/ Murray R. Nye	
Murray R. Nye Director	

EXHIBIT INDEX

Exhibit No.	Description
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23.1	Consent of Malone & Bailey, PC, Independent Registered Public Accounting Firm
23.2	Consent of Franklin, Cardwell & Jones (included in Exhibit 5.1)
24.1	Power of Attorney (included on Signature Page)