

City Council Agenda Items  
and  
Contracts, Leases or Agreements

2/7/2012

City Council Meeting Date  
Agenda Items Only

Scott Huddleston                      Information Technology                      FISD  
**Submitted By**                      **Division**                      **Department**

**Action Required:**

Council approve the purchase of a high performance server chassis and network switch with storage from Alexander Open Systems. This purchase is based on the current State Procurement Contract and the Western States Contracting Alliance approved pricing and will cost \$192,704.43 and approval of a budget adjustment.

\$ 192,704.43	\$ 70,000.00	Storage Area Network SAN
Cost of this request	Category / Project Budget	Local Area Network Upgrades
4470-9470-5801.00	\$ -	Program Category / Project Name
Account Number	Funds Used to Date	Program / Project Category Name
09031-1		
02056-1	\$ 195,000.00	Sales Tax Capital Improvement
Project Number	Remaining Balance	Fund Name

Budgeted Item

Budget Adjustment Attached

*Scott Huddleston*                      1/20/12                      Previous Ordinance or Resolution # \_\_\_\_\_  
Department Director                      Date

*Jim Kelly*                      1-20-12                      Original Contract Date: \_\_\_\_\_  
City Attorney                      Date                      Original Contract Number: \_\_\_\_\_

*Paul a. Beuhr*                      1-23-2012                      \_\_\_\_\_  
Finance and Internal Services Director                      Date

Received in City Clerk's Office 10-12 P03:56 R  
*Des*

*Jim Mar*                      \_\_\_\_\_  
Chief of Staff                      Date

Received in Mayor's Office  
**ENTERED**  
1/23/12  
*PK*

*David Jordan*                      1/25/12  
Mayor                      Date

Comments:

## CITY COUNCIL AGENDA MEMO

---

**To:** Mayor Lioneld Jordan and Members of the City Council

**From:** Scott Huddleston, Information Technology Director *SH*

**Date:** January 20, 2012

**Subject:** Purchase Computer Servers, Storage, and Switch

---

### PROPOSAL:

As the City continues to grow more resources are required to support the existing and future applications. In addition, essential hardware components are in need of replacement due to age and capacity. The total cost utilizing the Western States Contracting Alliance (WSCA) and the Arkansas State Procurement contract for all proposed items is \$192,704.43.

- **Additional Servers and Upgrades:**

The City's current virtual server environment spans 2 disparate blade chassis systems. It originated in our IBM H Chassis roughly 5 years ago and has since expanded into a Cisco UCS Blade Chassis. The IBM blades no longer meet the needs of our environment. Our current Cisco environment is not fully fault-tolerant with a single point of failure in the fabric interconnect. The proposed upgrade would replace the aging IBM chassis with an additional Cisco UCS Blade Chassis and 4 additional servers, increasing overall processing and memory capacity while providing a viable disaster recovery solution for the City's servers. By utilizing these new servers and our continued efforts to virtualize our physical environment our power consumption and cooling costs will be reduced. The cost utilizing the Arkansas State Procurement Contract CISCO-SP-11-0185 is \$59,205.93.

- **Additional Storage:**

The City's virtual server and desktop environments are nearing capacity in both performance and available space. The proposed additional storage will increase available space as well as read/write performance. The cost for this upgrade utilizing the WSCA contract B27161 is \$67,480.68.

- **Core Switch Replacement:**

The City network's current core switch is a 9 year old non-fault-tolerant layer 3 switch with 10 available 1 Gbps ports. All 10 ports are currently full with no room for expansion. The switch has no redundant power, so a failure with the power supply would result in a complete loss of network access. Due to its age, capability, and expandability, it is in dire need of replacement. The proposed replacement is an

enterprise class chassis based switch with expandability that will last at least another 10 years. This switch will have fault-tolerance at several different layers giving us the highest level of reliability, resiliency, and performance. It will also replace 5 other switches in our primary data closet which will ease management considerably. The total cost for this upgrade utilizing the Arkansas State Procurement Contract CISCO-SP-11-0185 is \$66,017.81

**RECOMMENDATION:**

Staff recommends authorizing the purchase of servers, storage and switch from Alexander Open Systems. The quotes being considered are based on WSCA and the Arkansas State Procurement Contract in the amount of \$192,704.43.

**BUDGET IMPACT:**

This project was planned to be funded out of the Local Area Network (LAN) Upgrades and Storage Area Network (SAN) CIP projects. \$20,000 is being moved from the Geographic Information Systems (GIS) project and \$65,000 from the AS/400 Computer Upgrades CIP project to fund this request.

**RESOLUTION NO. \_\_\_\_\_**

A RESOLUTION AUTHORIZING THE PURCHASE OF A HIGH PERFORMANCE SERVER CHASSIS AND NETWORK SWITCH WITH STORAGE IN THE AMOUNT OF \$192,704.43 FROM AOS, LLC PURSUANT TO A STATE PROCUREMENT CONTRACT, AND APPROVING A BUDGET ADJUSTMENT

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF FAYETTEVILLE, ARKANSAS:**

Section 1. That the City Council of the City of Fayetteville, Arkansas hereby authorizes the purchase of a high performance server chassis and network switch with storage in the amount of \$192,704.43 from AOS, LLC pursuant to a state procurement contract.

Section 2. That the City Council of the City of Fayetteville, Arkansas hereby approves a budget adjustment, a copy of which is attached as Exhibit "A".

**PASSED and APPROVED** this 7<sup>th</sup> day of February, 2012.

APPROVED:

ATTEST:

By: \_\_\_\_\_  
**LIONELD JORDAN, Mayor**

By: \_\_\_\_\_  
**SONDRA E. SMITH, City Clerk/Treasurer**

**City of Fayetteville, Arkansas  
Budget Adjustment Form**

<b>Budget Year</b>  2012	Division: Information Technology Department: Finance Director	<b>Request Date</b>  1/20/2012	<b>Adjustment Number</b>
--------------------------------	--	--------------------------------------	--------------------------

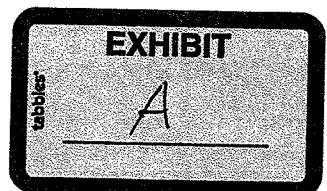
**BUDGET ADJUSTMENT DESCRIPTION / JUSTIFICATION**

This project will increase the SAN's capacity and performance, and purchase additional servers.

<p><i>[Signature]</i> Division Head Date: 1/20/12</p> <p><i>[Signature]</i> Budget Director Date: 1-21-2012</p> <p><i>Paul a. Bahr</i> Department Director Date: 1-23-2012</p> <p><i>Paul a. Bahr</i> Finance Director Date: 1-23-2012</p> <p><i>[Signature]</i> Chief of Staff Date: 1-24-12</p> <p><i>[Signature]</i> Mayor Date: 1/25/12</p>	<p>Prepared By: Brad Fulmer Reference: <u>Huddleston</u></p> <p align="center"><b>Budget &amp; Research Use Only</b></p> <p>Type:    A    B    C    D    E    P</p> <p>General Ledger Date: _____</p> <p>Posted to General Ledger: _____</p> <p>Checked / Verified: _____</p>
---	---

**TOTAL BUDGET ADJUSTMENT**                      85,000                      85,000

Account Name	Account Number	Increase / (Decrease)		Project.Sub Number
		Expense	Revenue	
Fixed assets	4470.9470.5801.00	65,000		09031 . 1
Fixed assets	4470.9470.5801.00		65,000	04027 . 1
Fixed assets	4470.9470.5801.00		20,000	02055 . 1
Fixed assets	4470.9470.5801.00	20,000		02056 . 1



**City Of Fayetteville - Purchase Order (PO) Request**

(Not a Purchase Order)

All purchases under \$2500 shall be used on a P-Card unless medical or 1099 service related. (Call x256 with questions)  
All PO Request shall be scanned to the Purchasing e-mail: Purchasing@ci.fayetteville.ar.us

Vendor #: 18311 Vendor Name: AOS, LLC  
 Address: 2105 S. 54th St. Fob Point:  
 City: Rogers State: AR Zip Code: 72758  
 Requester: Brad Fulmer Requester's Employee #: 2273  
 Account Numbers: 4470.9470.5801.00  
 Ship to code: 4470.9470.5801.00  
 Extension: 217

Requisition No.: PO Number: 1/20/2012 Date: 1/20/2012  
 Expected Delivery Date:  
 Mail Yes:  No:   
 Taxable Yes:  No:   
 Quotes Attached Yes:  No:   
 Division Head Approval:

Item	Description	Quantity	Unit of Issue	Unit Cost	Extended Cost	Account Numbers	Project/Subproject #	Inventory #	Fixed Asset #
1	UCS Server Chassis bundle	1		\$4,193.08	\$54,193.08	4470.9470.5801.00	02056.1		
2	EMC Storage Upgrade	1		\$61,767.21	\$61,767.21	4470.9470.5801.00	09031.1		
3	Cisco Core Network Switch	1		\$60,428.20	\$60,428.20	4470.9470.5801.00	02056.1		
4					\$0.00				
5					\$0.00				
6					\$0.00				
7					\$0.00				
8					\$0.00				
9					\$0.00				
10					\$0.00				
*	Shipping/Handling		Lot		\$0.00				

Subtotal: \$176,388.49  
 Tax: \$16,315.94  
 Total: \$192,704.43

Special Instructions:  
 Approvals:

Mayor: \_\_\_\_\_ Department Director: \_\_\_\_\_ Purchasing Manager: \_\_\_\_\_  
 Finance & Internal Services Director: \_\_\_\_\_ Budget Manager: \_\_\_\_\_ IT Manager: \_\_\_\_\_  
 Dispatch Manager: \_\_\_\_\_ Utilities Manager: \_\_\_\_\_ Other: \_\_\_\_\_

**AOS, LLC**

**Springfield**

636 W. Republic Rd  
Unit F100 Corp Village Park  
Springfield, MO 65807  
Phone: 417-888-2675  
Fax: 417-888-0994

**Columbia**

1000 W. Nifong Blvd #201C  
Columbia, MO 65203  
Phone: 573-441-5600  
Fax: 572-441-5610

**Tulsa**

7666 E. 61st St  
#310  
Tulsa, OK 74133  
Phone: 918-935-3530  
Fax: 918-935-3532

**Oklahoma City**

3030 NW Expressway  
Suite 1750  
Oklahoma City, OK 73112  
Phone: 405-943-8900  
Fax: 405-943-8902

**QUOTATION**

Quote No.: SQ008928  
Customer ID: ZFAYE-101  
Date: 1/18/2012  
Sales Rep: JENNIFERE  
Designer:

AOS, LLC  
Page 7 of 12

Please visit [www.aos5.com](http://www.aos5.com) for a complete listing of all service areas

QUOTE TO:	SHIP TO:
ACCOUNTS PAYABLE CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701  Phone: (479) 575-8306 Fax:	CHRIS DOUGHTY CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701

Arkansas State Contract-CISCO-SP-11-0185

QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
24.00	8GB DDR3-1333MHz RDIMM/PC3-10600/dual rank/Low-Dual Volt	213.15	5,115.60
1.00	1xChassis-4xB200,2xE5649,96GMem/B200,12x146GB	0.00	0.00
8.00	Intel Xeon X5649 2.53GHz /6c/80W/12MB cache/DDR3 1333MHz	0.00	0.00
4.00	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	0.00	0.00
4.00	Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US	0.00	0.00
12.00	8 Gbps Fiber Channel SW SFP+ LC	0.00	0.00
1.00	Single phase AC power module for UCS 5108 Crypto	0.00	0.00
2.00	UCS Manager v2.0	0.00	0.00
4.00	UCS M81KR Virtual Interface Card/PCIe/2-port 10Gb	0.00	0.00
4.00	UCS B200 M2 Blade Server w/o CPU, memory, HDD, mezzanine	0.00	0.00
8.00	HDD slot blanking panel for UCS B-Series Blade Servers	0.00	0.00
8.00	CPU heat sink for UCS B200 M1 Blade Server	0.00	0.00
1.00	Access. kit for 5108 Blade Chassis incl Railkit, KVM dongle	0.00	0.00
4.00	Blade slot blanking panel for UCS 5108/single slot	0.00	0.00
8.00	Fan module for UCS 5108	0.00	0.00
1.00	UCS 5108 Blade Server Chassis FW package	0.00	0.00
4.00	2500W power supply unit for UCS 5108	0.00	0.00
4.00	10GBASE-SR SFP Module	0.00	0.00
8.00	10GBASE-CU SFP+ Cable 3 Meter	0.00	0.00
2.00	UCS 6248UP Chassis Accessory Kit	0.00	0.00
2.00	UCS 6200 Series Expansion Module Blank	0.00	0.00
4.00	UCS 6248UP Fan Module	0.00	0.00
2.00	UCS 6248 Layer 2 Daughter Card	0.00	0.00
2.00	UCS 2208XP I/O Module (8 External; 32 Internal 10Gb Ports)	0.00	0.00
24.00	8GB DDR3-1333-MHz RDIMM/PC3-10600/2R/1.35v/RECOMMENDED 8GB	0.00	0.00
4.00	UCS 6248UP Power Supply/100-240VAC	0.00	0.00
8.00	UCS-SP3 300GB HDD	0.00	0.00
1.00	Chassis-4xB200, 2xE5649, 192GB RAM/ 48GB each	26,298.30	26,298.30
2.00	SP3 UP FI with Cables	7,581.77	15,163.54
3.00	UC SUPPORT 24X7X4OS 5108 Blade Server Chassis	180.11	540.33
12.00	UC SUPPORT 24X7X4OS UCSB200 M2 Blade Svr w/o CPU Mem HDD Mez	211.65	2,539.80
3.00	UC SUPPORT 24X7X4OS Null SKU--No line item services included	0.00	0.00

# AOS, LLC

## Springfield

636 W. Republic Rd  
Unit F100 Corp Village Park  
Springfield, MO 65807  
Phone: 417-888-2675  
Fax: 417-888-0994

## Columbia

1000 W. Nifong Blvd #201C  
Columbia, MO 65203  
Phone: 573-441-5600  
Fax: 572-441-5610

## Tulsa

7666 E. 61st St  
#310  
Tulsa, OK 74133  
Phone: 918-935-3530  
Fax: 918-935-3532

## Oklahoma City

3030 NW Expressway  
Suite 1750  
Oklahoma City, OK 73112  
Phone: 405-943-8900  
Fax: 405-943-8902

# QUOTATION

Quote No.: SQ008928  
Customer ID: ZFAYE-101  
Date: 1/18/2012  
Sales Rep: JENNIFERE  
Designer:

AOS, LLC  
Page 8 of 12

2

Please visit [www.aos5.com](http://www.aos5.com) for a complete listing of all service areas

6.00	UC SUPPORT 24X7X4OS UCS 6248UP 1RU Fabric Interconnect	666.49	3,998.94
			<hr/>
			<b>\$53,656.51</b>
		<b>Merchandise Total</b>	<b>\$53,656.51</b>
		<b>Tax Total</b>	<b>5,012.85</b>
		<b>Estimated Shipping</b>	<b>\$536.57</b>
		<b>Document Total</b>	<b>\$59,205.93</b>

Above quoted pricing is valid until 2/13/2012 .

Customer signature constitutes agreement with all AOS Terms and Conditions, which may be found at <http://www.aos5.com/terms> in addition to any addendums shown on this quote.

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_



**AOS, LLC**

Springfield

636 W. Republic Rd  
 Unit F100 Corp Village Park  
 Springfield, MO 65807  
 Phone: 417-888-2675  
 Fax: 417-888-0994

Columbia

1000 W. Nifong Blvd #201C  
 Columbia, MO 65203  
 Phone: 573-441-5600  
 Fax: 572-441-5610

Tulsa

7666 E. 61st St  
 #310  
 Tulsa, OK 74133  
 Phone: 918-935-3530  
 Fax: 918-935-3532

Oklahoma City

3030 NW Expressway  
 Suite 1750  
 Oklahoma City, OK 73112  
 Phone: 405-943-8900  
 Fax: 405-943-8902

**QUOTATION**

AOS, LLC  
 Page 9 of 12

Quote No.: SQ008917  
 Customer ID: ZFAYE-101  
 Date: 1/18/2012  
 Sales Rep: JENNIFERE  
 Designer:

Please visit [www.aos5.com](http://www.aos5.com) for a complete listing of all service areas

QUOTE TO:	SHIP TO:
ACCOUNTS PAYABLE CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701  Phone: (479) 575-8306 Fax:	CHRIS DOUGHTY CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701

The quote below is based on the State of Arkansas Contract number: B27161 and the EMC WSCA/NASPO Master Price Agreement number: B27161. POs must likewise contain the same Contracts references.

QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
<b>CX4 DRIVE UPGRADE</b>			
1.00	EMC 4G DAE Factory or Field Installed	4,543.00	4,543.00
9.00	EMC 450GB 15K 4GB FC Upgrade Disk Drive	2,313.85	20,824.65
5.00	EMC 100GB Flash Drive Upg	6,375.60	31,878.00
			<b>\$57,245.65</b>
<b>SECOND UPGRADE SOLUTION</b>			
10.00	EMC 2TB 7200RPM 520BPS SATA Drive	2,391.00	23,910.00
			<b>\$23,910.00</b>
<b>DISCOUNT</b>			
-1.00	AOS Executive Discount	20,000.00	-20,000.00
			<b>-\$20,000.00</b>
	<b>Merchandise Total</b>		<b>\$61,155.65</b>
	<b>Tax Total</b>		<b>5,713.47</b>
	<b>Estimated Shipping</b>		<b>\$611.56</b>
	<b>Document Total</b>		<b>\$67,480.68</b>

Above quoted pricing is valid until 2/10/2012.

Customer signature constitutes agreement with all AOS Terms and Conditions, which may be found at <http://www.aos5.com/terms> in addition to any addendums shown on this quote.

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_

**AOS, LLC**

**Springfield**  
 636 W. Republic Rd  
 Unit F100 Corp Village Park  
 Springfield, MO 65807  
 Phone: 417-888-2675  
 Fax: 417-888-0994

**Columbia**  
 1000 W. Nifong Blvd #201C  
 Columbia, MO 65203  
 Phone: 573-441-5600  
 Fax: 572-441-5610

**Tulsa**  
 7666 E. 61st St  
 #310  
 Tulsa, OK 74133  
 Phone: 918-935-3530  
 Fax: 918-935-3532

**Oklahoma City**  
 3030 NW Expressway  
 Suite 1750  
 Oklahoma City, OK 73112  
 Phone: 405-943-8900  
 Fax: 405-943-8902

Quote No.: SQ008883  
 Customer ID: ZFAYE-101  
 Date: 1/11/2012  
 Sales Rep: JENNIFERE  
 Designer:

Please visit [www.aos5.com](http://www.aos5.com) for a complete listing of all service areas

<b>QUOTE TO:</b>	<b>SHIP TO:</b>
ACCOUNTS PAYABLE CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701  Phone: (479) 575-8306 Fax:	CHRIS DOUGHTY CITY OF FAYETTEVILLE 113 W MOUNTAIN STREET FAYETTEVILLE, AR 72701

Arkansas State Contract-CISCO-SP-11-0185

QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
<b>Cisco</b>			
1.00	4510R+E Chassis, Two WS-X4748-RJ45V+E, Sup7-E	19,800.00	19,800.00
1.00	Paper IP Base License	0.00	0.00
1.00	Default WS-X45-SUP7-E with WS-X4748-RJ45V+E Bundle	0.00	0.00
4.00	NEMA 5-15 to IEC-C19 13ft US	0.00	0.00
1.00	Catalyst 4500 4200W AC dual input Power Supply (Data + PoE)	1,797.00	1,797.00
1.00	Catalyst 4500 4200W AC dual input Power Supply (Data + PoE)	1,797.00	1,797.00
1.00	CAT4500e SUP7e Universal Crypto Image	0.00	0.00
1.00	Catalyst 4500 E-Series Supervisor, 848Gbps	0.00	0.00
1.00	Catalyst 4500 E-Series Supervisor, 848Gbps	11,997.00	11,997.00
1.00	Catalyst 4500 E-Series 12-Port GE (SFP)	3,597.00	3,597.00
1.00	Catalyst 4500 E-Series 12-Port 10GbE (SFP+)	16,197.00	16,197.00
2.00	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	0.00	0.00
1.00	SMARTNET 24X7X4 4510R+E Chassis, Two WS-X4748-RJ45V+E	3,593.90	3,593.90
12.00	Gigabit Ethernet SFP LC Connector SX Transceiver	300.00	3,600.00
2.00	10GBASE-LRM SFP Module	777.00	1,554.00
1.00	10GBASE-SR SFP Module	897.00	897.00
			<b>\$64,829.90</b>
<b>Cisco Trade In Credit</b>			
-1.00	Cisco Trade-In Credit	5,000.00	-5,000.00
			<b>-\$5,000.00</b>
	<b>Merchandise Total</b>		<b>\$59,829.90</b>
	<b>Tax Total</b>		<b>5,589.61</b>
	<b>Estimated Shipping</b>		<b>\$598.30</b>
	<b>Document Total</b>		<b>\$66,017.81</b>

Above quoted pricing is valid until 2/10/2012 .

Customer signature constitutes agreement with all AOS Terms and Conditions, which may be found at <http://www.aos5.com/terms> in addition to any addendums shown on this quote.

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_

Form **W-9**  
(Rev. October 2007)  
Department of the Treasury  
Internal Revenue Service

## Request for Taxpayer Identification Number and Certification

Give form to the  
requester. Do not  
send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) <b>AOS, LLC</b>	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ <b>C.....</b> <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.) <b>2105 S. 54th St.</b>	Requester's name and address (optional)
	City, state, and ZIP code <b>Rogers, Arkansas 72758</b>	
List account number(s) here (optional)		

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
or
Employer identification number
<b>20 : 2248503</b>

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

<b>Sign Here</b>	Signature of U.S. person ▶	Date ▶ <b>01-01-2011</b>
------------------	----------------------------	--------------------------

### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

#### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

