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NETWORKING THE  
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## OACYS Deploys WiMAX

In November 2008 OCS began testing WiMAX radios in the newly authorized FCC 3.65 GHz frequency spectrum. Several units have been installed for customers, and we're now phasing WiMAX into routine use.

When OCS pioneered and introduced wireless operations in 1999, the only frequencies authorized for use were in the 2.4 GHz band. When 5.3 and 5.8 GHz spaces were allocated later, we added service in those frequencies as well – all collectively known as the "Wi-Fi" bands.

In general, we don't normally ask our customers to request one frequency or another, or to understand or even be aware of which one we're using to deliver service to their home or business. We simply choose whichever is best suited to the conditions in order to provide reliable service, and when necessary we sometimes make a change from one radio type to another.

The FCC originally determined that the Wi-Fi bands would be "unlicensed" so they could be quickly adapted to widespread usage. That worked, but it also brought on the creeping spectre of interference as there were no controls to prevent multiple service providers, or private or public organizations, or even individuals from attempting to use the same channels.

Substantial ingenuity on the part of equipment manufacturers and wireless ISPs has been required to continue adapting to these ever-changing conditions while still providing reliable service, which OCS has been exceptionally good at doing.

OCS is now first again as we deploy the 3.65 GHz WiMAX bands in our service areas. Unlike Wi-Fi bands, the FCC has required federal registration by each ISP using 3.65 GHz, including the precise location of each tower where it's installed and in each instance the specific channel(s) being used. Public FCC records list only OACYS Technology operating 3.65 GHz WiMAX in the Tulare County area.

In addition to much better interference management – (it's still not perfect, but it's a big improvement) – 3.65 GHz WiMAX can handle a lot more speed and throughput than the Wi-Fi bands. For example, while tower equipment in the 5.x GHz bands doubles the throughput of 2.4 GHz equipment, 3.65 GHz WiMAX doubles it again.

*Continued on Side Two*

## WIRELESS SERVICE AREAS

- Porterville
- Springville
- Pleasant Valley
- River Island
- Globe Drive
- Strathmore
- Terra Bella
- Lindsay
- Exeter
- Visalia
- Yokohl Valley
- Camp Nelson
- Success Valley
- Richgrove

*Our Exeter tower covers Badger Hill too!*

**262,169,812 VIRUSES, SPAM, AND PHISHING ATTEMPTS  
HAVE BEEN STOPPED BY THE OCS CENTRAL SYSTEM**

## Happy New Year!



FROM ALL OF US AT OCS  
To our Customers, our Families, and our Troops

The OCS home page has received more than 12 million hits -- contact us for local advertising information!

### Work from home!

OCS can connect your home to your office or tie multiple offices together at high speed and with full "VPN" security, anywhere in the Valley or beyond...



OCS service plans are described at [www.porterville.com](http://www.porterville.com)

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Need qualified computer or network maintenance? Give us a call!

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SUPPORT OUR MILITARY  
= SUPPORT THEIR MISSION

### THE NATIONWIDE OCS REFERRAL PROGRAM

If you refer a friend, family, or business associate to OCS, tell them to mention your name and you'll receive a month of free service! **Our subscribers have earned \$55,514 so far!** Click *Referrals* on our home page for details. Your friends may simply click *Subscribe* to sign up online, now from anywhere in the country!



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# OACYS Deploys WiMAX

Continued from Side One

In practical terms, this means that many more subscribers will be able to achieve maximum performance during periods of peak simultaneous usage on a given tower – or, much higher sustained speeds may be delivered reliably to business customers during normal daytime (off-peak) hours.

Our initial priority swap to 3.65 GHz will be for subscribers who may have experienced excessive interference in the 2.4 and 5.x GHz bands, from outside sources which we cannot control or resolve. After that we will consider moving customers to 3.65 GHz for plan-type upgrades and/or for higher performance.

Also, as marginal service may be reassigned to 3.65 GHz or other frequency options, those who are not swapped should experience improved performance due to reduced pressure on their current tower segments.

OACYS 3.65 GHz WiMAX is currently available primarily in the greater Porterville community area. Please contact our office for more information!

## Stuck in a contract?

Show us your binding paperwork and we may be able to waive up to \$100 from your OCS startup costs...



# Email Security Change Reminder

OCS has reconfigured our mail servers to accept outgoing email on Port 587, which along with SMTP Authentication will help put a stop to email hijacking. Our subscribers will need to make this same change in their own email programs, and after that transition is completed we'll set our servers to stop accepting outgoing email on Port 25, the traditional SMTP default.

We're anticipating to have this done by January 2009. On our website, point to Subscribers on the main menu bar and click "Email Port Change" for instructions on how to change the SMTP server port number in several popular email programs. (Please note that SMTP Authentication must also be enabled when you make this change.) Or as always, feel free to contact our office for assistance!

## OCS OfficeScan 8

OCS OfficeScan is an alternative option to Norton and McAfee desktop security, which avoids all the annoying message popups, renewal payment reminders, and update downloads. Wireless subscribers simply install a small utility on their computer, which communicates automatically with a central security server at OCS for current virus, phishing, and spyware threat profiles. There are never any updates to install, since everything is done transparently and in the background. Please contact our office for more information!



## Fan Mail

"I can't believe how much faster your wireless service is than dialup, it works wonderfully. I was about to just toss out my computer if I wasn't able to get wireless!" -BT

# 2008 in Review: Windows Vista

Excerpted from ZDNET.COM

Depending on your point of view Vista is either not so bad, a complete disaster or something in between. Ziff Davis reviewers put it in the "in between" category. They say, "Vista was a train wreck in the beginning, has gotten better, but now the name is tainted. Add it up and XP is still very popular and folks are hanging out for Windows 7." The favorite from their top five reasons why Vista failed: "Vista just broke too much stuff." ZD writers predict that Windows 7 will be released in Q3 2009, and that 2009 holiday season PCs – maybe even back-to-school ones – will be preloaded with Win 7. They say the Windows team's post-Vista mission is to make Windows 7 the operating system that Vista should have been – smaller, tighter and faster. *We'll see!*

## I Didn't Know That!

OCS provides "A-to-Z" computer technology services:

- Complete computer service and repair shop
- Broad variety of Internet access plans and packages
- Professional website design, development, and hosting
- Professional programming and custom application development
- eCommerce and business groupware solutions
- Computer and Internet technology consulting
- Secure branch office inter-networking
- Internet-based "VOIP" telephone services
- iSuite of online utility applications

# OACYS INTERNET SERVICE PLANS

Plan Name	Average Speeds			B-M-W <sup>1</sup>	One-Time Fees			Monthly Service
	Min	Typ	Max		Service Activation	Install/Configure	Equipment Deposit	
1 Bandwidth-Mailboxes-Webpace (see notes)								
<b>DIALUP</b>	26K	40K	53K	1-5-5	25.00	-	-	24.95
<b>Accelerator</b>	Typically 2-5X faster			-	-	-	-	+5.00
<b>WIRELESS   STANDARD 2.4 GHz</b>								
<b>24 Basic</b>	125K	500K	750K	10-5-5	25.00	100.00	100.00	49.95 <sup>2,3</sup>
<b>24 Premium</b>	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	79.95 <sup>2,3</sup>
<b>24 Business</b>	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95 <sup>2,3</sup>
<b>WIRELESS   SPECIAL CASES 900 MHz (where available)</b>								
<b>900 Basic</b>	125K	375K	750K	5-5-5	25.00	100.00	100.00	59.95 <sup>4,5</sup>
<b>WIRELESS   MISSION CRITICAL 5.8 GHz (where available)</b>								
<b>58 Premium</b>	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	99.95
<b>58 Business</b>	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95
<b>58 Professional</b>	500K	2M	3M	25-25-25	25.00	100.00	100.00	159.95
<b>58 Corporate</b>	750K	3M	4M	30-30-30	25.00	100.00	100.00	199.95
<b>58 Enterprise</b>	1M	4M	5M	40-40-40	25.00	100.00	100.00	249.95

All plans include automated central email virus scanning, email spam filtering, and website parental controls. Some plan types permit webpace for personal use only. Wireless installation and deposit package may be paid in installments upon request. All speeds are symmetrical (same for upload and download) within the OACYS network only. All plans terminate at OACYS Porterville headquarters and transport to the Internet via dual T3s over dedicated OC12 fiber optic circuit. All plans subject to change without notice. Pricing and terms are current at the date of this newsletter and supersede previous versions. For footnotes 2,3,4,5 surcharges may apply. Please check with our office for additional details.

To set Account Preferences or make Payments Online, click **UserAdmin** on our website

On the road? Call our toll-free support at 888-OACYS.COM