

## U.S. NAVY



The Navy Marine Corps Intranet (NMCI) is the world's largest and most secure private network, providing U.S. sailors and marines with universal access to a single, enterprise-wide intranet. NMCI currently has 700,000 users and has gained about 70,000 people per year over the past five years. The Navy anticipates that the users of this tool will be in the neighborhood of a million people in the near future.

### OBJECTIVE

The Navy wanted its intranet users to be truly mobile and more productive without any ad hoc connection costs.

Previously, the Navy was a hardwired organization. However, U.S. Navy Rear Admiral James Godwin, director of the NMCI program, knew from personal experience that mobility in communications was going to be a key driver in the near future. "I posed the mobility question initially almost four years ago, but there were valid security concerns at the time," recalls Godwin. "So I knew that security was the issue I needed to solve. When we first saw EV-DO capability with better certification authority, it was obvious that this was the right path to mobility."

The intent was to get the military on par with the civilian workforce. "We knew we had to move in that direction," says Godwin.

### SOLUTION DESCRIPTION

For starters, the Navy provided its mobile users that carried Dell laptops with Kyocera Wireless PC cards that connected to the Verizon Wireless BroadbandAccess (EV-DO) network. Other laptop brands are slated for integration in the near future. In some locations where there was no way to provide a wired connection, the Navy also deployed the wireless solution for desktop computers. Since security is a huge military concern, the solution called for a Juniper VPN.

"We started a pilot project using four to five offices," says Godwin. "We knew it wouldn't take long to get out of the pilot phase though. Now, out of our 700,000 intranet users, about 65,000 to 70,000 are true mobile users and another 2,000 are PC users accessing 3G CDMA mobile broadband as well. We expect to see exponential growth as more and more people see the potential first hand."



[www.usnavy.mil](http://www.usnavy.mil)

### COMPANY

- The Navy Marine Corps Intranet (NMCI) is the world's largest and most secure private network, providing U.S. sailors and marines with universal access to a single, enterprise-wide intranet. NMCI currently has 700,000 users.

### OBJECTIVE

- Ensure that its intranet users are truly mobile and more productive without any ad hoc connection costs

### SOLUTION

- Verizon Wireless BroadbandAccess (EV-DO)
- Kyocera Wireless and Vodafone PC cards
- Juniper VPN software

### RESULTS

- Increased the productivity of its intranet users
- Eliminated the cost of Wi-Fi usage in hotels and hotspots, a major savings
- Extended coverage to displaced military in the wake of Hurricane Katrina



**A L I S T**  
*Winner*



**The U.S. Navy is the 2006 winner of the 3G A-List Award in the Government Agency category.**

The 3G A-List Awards recognize the leading builders of successful wireless data solutions based on 3G CDMA (CDMA2000 1X, EV-DO, and UMTS/HSDPA) technology. **To learn more about the A-List, please visit [www.3galist.com](http://www.3galist.com)**

#### **SUPPORTING PARTNERS**

The A-List also recognizes supporting partners for their enabling role in assisting winners with their wireless data deployments.



**vodafone**



The Navy is just starting to use its 3G CDMA solution internationally with Vodafone PC cards. "Verizon's international plan with one service and two cards really made a difference in terms of ease of implementation," notes Godwin.

## **RESULTS**

This 3G CDMA implementation decision was more a productivity issue than a cost-driven one for the Navy. "We needed to give our people better options to get their work done," Godwin relates. "We do a lot of work outside of the office and if we can take advantage of another four to five hours of

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*Admiral James Godwin  
U.S. Navy*

work at home with high download speeds, it makes a huge difference in staff output."

But Godwin is the first to admit that cost advantages did figure into the equation. "True mobility doesn't just come with a laptop. You're limited to hotels or Wi-Fi hotspots that usually charge access fees. But a 3G CDMA mobile wireless connection makes our workforce truly mobile and generates a lot of savings along the way. If we conservatively estimate 2,000 people traveling once a month, spending a week at a hotel that charges \$12.95 a

day for broadband access, we are close to \$85 for just one week of on-the-road connectivity," calculates Godwin. "That is more than the entire monthly cost to access Verizon's network, and that's a conservative estimate because our people are probably traveling two to three times as much."

The military also used the EV-DO solution a great deal in the wake of Hurricane Katrina. "It was a tremendous opportunity for us to solve an unforeseen problem," according to Godwin. "We were still in the pilot stage, but we had 700 displaced personnel. We didn't have the infrastructure built out there to do hardwired connections, but with 3G CDMA, they were immediately connected."

Overall, the feedback has been very positive. "The Katrina contingent liked it so much that they didn't want to give up their systems," Godwin admits. "And during a recent Flag Officer Conference with 300 attendees, a lot of people commented that the mobile solution was a huge benefit for them."