perspecta

October 2019

Powering forward

Modernizing the Navy Marine Corps Intranet

As the temperatures start to cool and the leaves change, I hope you've been able to take time to enjoy the summer season. For Perspecta it was a busy summer, packed full of customer projects such as the Navy's Enterprise Resource Planning (ERP) cloud migration, the continuation of the Microsoft Office 365 pilot and earthquake recovery efforts at Naval Air Weapons Station China Lake.

On Aug. 1, 2019, Perspecta also completed the tuck-in acquisition of Knight Point Systems, enhancing our robust and proven offerings in cloud, cyber, digital transformation and enterprise IT that modernize and transform government mission delivery. Perspecta was formed to take on the big challenges and as we continue to fully integrate the former Knight Point capabilities into Perspecta's portfolio, you can expect to see even better transparency and operational excellence, while also enjoying rapid and efficient solution delivery.

As you read this report, you'll find examples of where Perspecta has proven we have what it takes to answer the Department of the Navy's most pressing modernization challenges. As always, I welcome your feedback on how you think we're doing.

Please feel free to email or call me at any time.

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SVP and General Manager
Navy and Marine Corps Group
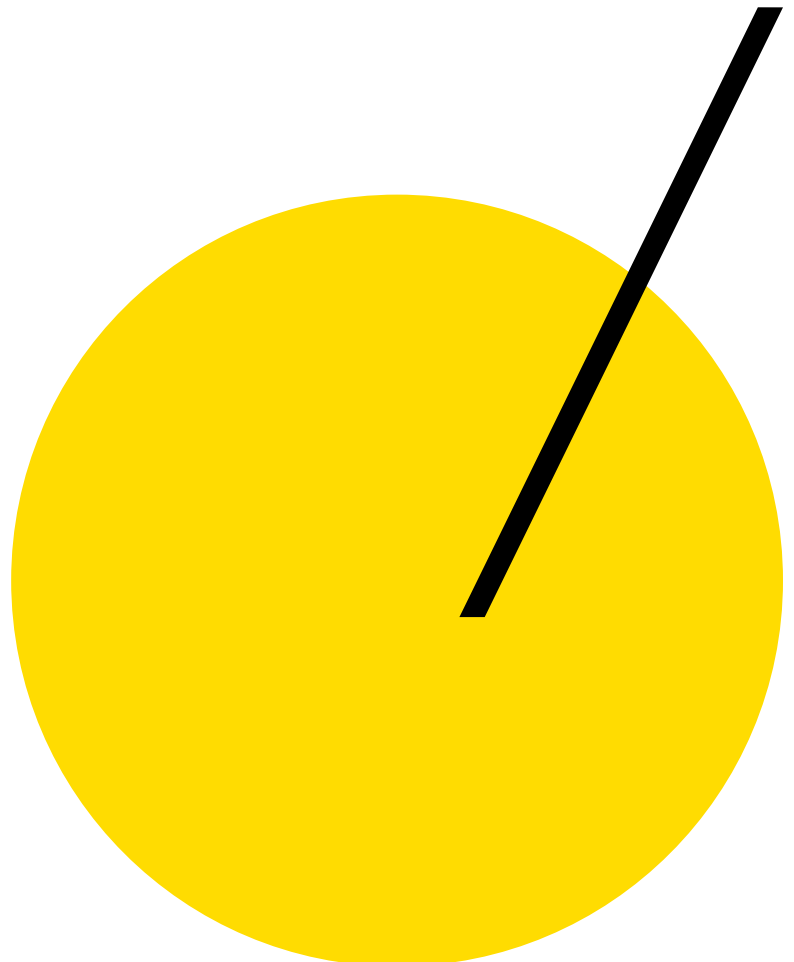
Perspecta. Powering forward.

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The Navy Marine Corps Intranet (NMCI) is the first-of its-kind, enterprise IT platform and has matured over the past 18 years into a stable, flexible, cost-effective and secure IT platform for more than 700,000 Sailors and civilians in the continental United States, Hawaii and Japan. In building NMCI, Perspecta and the Department of the Navy (DoN) have transformed DoN IT infrastructure, combining a myriad of disconnected and dissimilar networks into one of the largest intranets in the world.

Through the Next Generation Enterprise Network (NGEN) contract, Perspecta provides comprehensive IT services to the Navy and staffing support to the Marine Corps. NMCI is the foundation that underpins the DoN's enterprise IT capability, raising it to new levels of functionality, mobility, flexibility, adaptability, reliability and security.

Navy, DISA and Perspecta help propel Navy ERP to the cloud

Perspecta recently partnered with the Navy and DISA to develop a cloud transport route from the NMCI environment to the DISA Cloud Access Point for the Navy Enterprise Resource Planning (ERP) solution utilizing the Amazon Web Services Cloud.

The project, one of the largest ERP SAP cloud migrations to date, was accomplished on an accelerated schedule in just nine months rather than the original 20-month project timeline. The Perspecta team developed and updated uWAN transport engineering to provide the Naval Air Systems Command (NAVAIR) with faster cloud connectivity. With the cutover complete, the Department of the Navy's ERP is now entirely cloud-based, operating significantly faster in memory-data storage and processing.

To accelerate the project, the Perspecta team leveraged network analysis from the NMCI O365 pilot and its limited rate deployment (LRD) engineering effort that ensures adequate and efficient capability while producing the minimum quantity necessary for testing and evaluation. Both projects were also able to use the routing designed in the O365 project to connect to DISA's Cloud Access Point.

In addition to providing an enhanced customer experience and data-driving decision-making, the shift of Navy ERP to the cloud supports the Navy's goal to create a single, unclassified general ledger and accelerates enterprise cloud adoption in conjunction with the DOD's Cloud-First initiatives.

Navy ERP is the Department of the Navy's financial system of record, meaning it provides reliable information for Navy leadership to keep our Navy moving forward. Using sophisticated business management software, Navy ERP streamlines the Navy's business operations, namely financial and supply chain management.

Perspecta receives award from U.S. Navy to support cyberspace operations

Perspecta was recently awarded a position on a multiple-award, cyberspace science, research, engineering and technology integration program from the U.S. Navy's Naval Information Warfare Center Pacific (NIWC Pacific).

The scope of this program will include efforts to examine the architecture, engineering, functionality, interface and interoperability of Navy cyberspace operations systems, services and capabilities. Specifically, Perspecta will provide operational exercise design and construction, operations and requirements analysis, concept formulation and development, feasibility demonstrations and operational and technical support services.

"When you combine decades of experience on Navy programs and systems with a deep-rooted heritage of advanced engineering capabilities and add an unmatched portfolio of innovative cyber solutions, you get Perspecta," said Jeff Bohling, senior vice president and general manager of the defense business group at Perspecta. "We are honored to be selected to this program and are excited to extend our longstanding support of NIWC Pacific and broaden the capabilities we bring the fleet."

Additional efforts will include requirements verification and validation, engineering analysis, technical documentation, software and hardware design and implementation. All work will be performed in San Diego.

NMCI deployable network solutions are getting a modernization makeover

The NMCI Deployable Site Transport Boundary (DSTB) and Fly Away Kit (FAK) solutions are getting a modernization makeover that will make them easier to use and transport.

The upgrades will reduce the number of components needed to build the kits, reducing the overall size and weight of the DSTB core size dimensions from about 36"x22"x23" and162lbs to 32"x24"x23" and 120lbs, reducing the overall weight by 42lbs. The current DSTB FAK NIPR KIT dimensions are 22"x14"x9" and weighs 27.5lbs. The modernized FAK will have

the same dimensions, but will be designed to include NIPR/SIPR, eliminating the need to carry two separate FAK's. The enhancements will provide additional port density, additional physical storage capacity and will be easier for Sailors and Marines to initiate in the field.

Deployable units, such as aircraft squadrons and disaster response teams, leverage the NMCI DSTB and the smaller FAK solutions to support their full range of NMCI network and communications requirements when deployed from their home base.
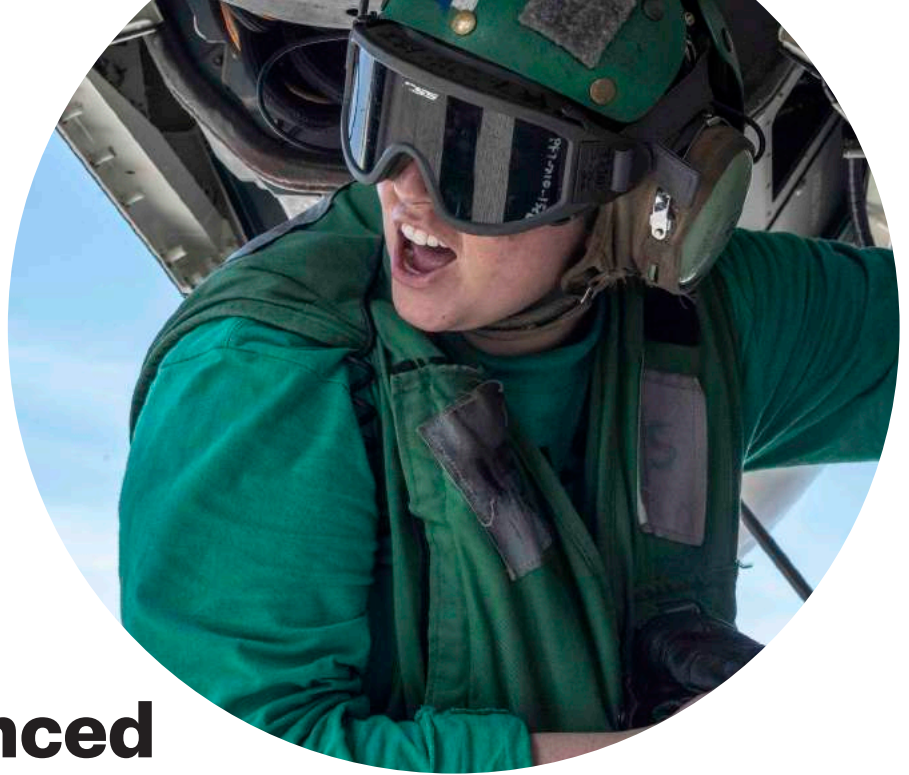
Perspecta Labs to provide advanced photonic edge artificial intelligence compact hardware research for DARPA

Perspecta's innovative applied research arm, Perspecta Labs, was recently awarded a prime contract from the U.S. Defense Advanced Research Projects Agency (DARPA) to provide Photonic Edge AI Compact Hardware (PEACH) research under DARPA's Artificial Intelligence (AI) Exploration program.

The goal of the PEACH program is to research and develop novel AI processing architectures in combination with innovative photonic hardware to enable breakthrough AI functionality with significant reduction in hardware complexity, latency and power consumption. Perspecta Labs will create a novel multiple-loop, delay-line reservoir computing architecture, an algorithm for specific emitter identification, and a scalable prototype hardware design in combination with innovative photonic hardware.

"Perspecta Labs will draw on its rich portfolio of research and development in AI, photonics, radio frequency (RF) analytics, and systems engineering to deliver this work," said Petros Mouchtaris, Ph.D., president of Perspecta Labs. "We are excited to bring our innovative techniques to this DARPA program to enable next generation AI engines for Department of Defense (DoD) use at the tactical edge."

The Perspecta Labs solution is aimed at high-accuracy and real-time machine learning from radio frequency (RF) data to provide major advances in AI capability for tactical DoD systems.

NMCI facilities receive high marks for security

Perspecta-operated network facilities at Naval Air Station North Island, San Diego, Tinker Air Force Base, Naval Air Station Point Mugu and Naval Air Station Whidbey Island recently received high marks for security during a routine Command Cyber Readiness Inspection (CCRI). The activity was part of the world-wide Defense Information Systems Agency (DISA)-directed cyber inspection program designed to ensure the network's security posture meets strict DOD guidelines.

The CCRI is a complex inspection performed by the Navy on behalf of DISA that covers technical, physical and behavioral security measures associated with defending the network. In March 2019, the Norfolk Network Operations Center (NOC) also passed the stringent inspection with high marks. CCRI inspectors reviewed all devices on the network for cybersecurity compliance and deemed the NOC compliant with DISA's high standards. The score for the NIPR network was among the highest seen on the network.

The Perspecta team also demonstrated the newly available enhanced Network Access Controls (eNAC) and performed the first tactical quarantine maneuvers in conjunction with Naval Network Warfare Command (NNWC). The eNAC suite will provide greater visibility and additional details about what devices are connecting to the NMCI network and will provide the Navy with the ability to implement an automated Comply to Connect policy. As new devices attempt to connect to the NMCI environment, eNAC instantly detects and either authenticates or denies their access. The eNAC tools also provide reports that show compliance status for NMCI devices while also providing the ability to automatically remediate non-compliant devices per government directed policies.

Perspecta awarded $162 million program to modernize classified network for the U.S. Air Force

Perspecta Inc. was recently awarded the Secret Internet Protocol Router Network (SIPRNet) Enterprise Modernization program from the U.S. Air Force Enterprise Information Technology and Cyber Infrastructure Division of the Command, Control, Communications, Intelligence and Networks (C3I&N) Program Executive Office (PEO).

The goal of the SIPRNet Enterprise Modernization program is to transform and standardize the network's infrastructure to improve management operations and ensure security compliance. On the program, Perspecta will design, develop, deploy and integrate a new single infrastructure and active directory domain for the Air Force. Additionally, the company will operate, manage and sustain the full capability and functionality of the system for the duration of the program.

"We are honored that the Air Force has selected us as their partner of choice for this critical transformation program," said Mac Curtis, president and chief executive officer, Perspecta. "With a long history of successfully modernizing and managing complex, high-value networks and systems, we are confident that we have the right people, processes and technology to help our Air Force customer accelerate their modernization journey."

The goal of the single management architecture will be to support every Air Force base in meeting security requirements and maintaining required, standard updates in order to create the best possible security posture against persistent network attacks and cyber threats.

NMCI nears end of Microsoft Office 365 pilot; prepares for enterprise deployment

The Navy and Perspecta are in the final phase of the NMCI Microsoft Office 365 (O365) pilot program. The purpose of the O365 pilot is to successfully migrate NMCI users to the O365 Defense Cloud and set the stage for an enterprise migration to cloud-based productivity services in-line with Department of Defense (DOD) and Navy Cloud-First initiatives. As of October, more than 2,000 end users are enjoying the NMCI O365 solution.

Prior to getting the green light on the enterprise deployment, the joint Navy, Perspecta team had to ensure the cloud email solution was interoperable with the current NMCI Enterprise Mobility Management (EMM)/ Mobile Device Management (MDM) solution. To that end, the joint team worked closely with BlackBerry and Microsoft to develop the technical

requirements and successfully connected the NMCI MDM to the O365 cloud. As the team worked through the design and testing of the cloud email solution, their focus remained on creating an enjoyable customer experience for the O365 early adopters. With the availability of the cloud email solution end users can now access all their email from a mobile device.

The final migration activities of the pilot were focused on transitioning Naval Air Systems Command (NAVAIR) users at Naval Air Station Patuxent River, leveraging a limited-rate deployment (LRD) to validate that the NMCI O365 solution is ready for enterprise deployment. NAVAIR plans to use the full range of tools within O365 to demonstrate the ability to enhance productivity of both mission and business functions.

The O365 pilot also leveraged agile development to accelerate the project timeline. Agile development allows requirements and solutions to evolve through collaboration between self-organizing, cross-functional teams. It promotes adaptive planning, evolutionary development, early delivery and continuous improvement, and it encourages rapid and flexible response to change.

Moving to the O365 solution provides end users with greater productivity, robust applications security and the ability to access needed tools from any computer that has an internet connection.

Perspecta wins position on new $17.1 billion Defense Intelligence Agency analytic support program

Perspecta Inc. was awarded a position on the Defense Intelligence Agency (DIA) Solutions for Intelligence Analysis 3 (SIA 3) multiple-award, indefinite-delivery/indefinite-quantity contract.

On the program, Perspecta will compete for task orders to deliver analytic support to multiple Department of Defense (DOD) and Intelligence Community (IC) customers. Work on the program is expected to be performed at multiple sites in the continental U.S. and abroad through 2029.

"As a trusted partner to both the DOD and IC for nearly five decades, Perspecta has been privileged to work side-by-side with our customers to solve some of the most critical national security and foreign relations challenges," said Mac Curtis, CEO and president at Perspecta. "Our foundation is built on innovation and agility, which allows us to adapt quickly to evolving mission needs while fueling our relentless commitment to mission success. We are excited about this win, and look forward to a long partnership ahead."

Using innovation backed by highly-skilled talent, mission knowledge, technical expertise and a deep partnership ecosystem, Perspecta brings transformative analytic support skills and mission-enabled offerings in analytics, cybersecurity, systems engineering and agile software development to its customers.

"Our foundation is built on innovation and agility, which allows us to adapt quickly to evolving mission needs while fueling our relentless commitment to mission success. We are excited about this win, and look forward to a long partnership ahead."

— Mac Curtis, president and chief executive officer, Perspecta

Navy, Perspecta debut Career Waypoints Sailor Self-Service Access

The Navy and Perspecta recently visited Navy locations in the Pacific Northwest to debut the new Sailor Self-Service Access for the Navy's Career Waypoints Application. The Sailor Self-Service Access launch was part of the Navy's Career Development Symposium Pacific Northwest sessions held at Naval Base Kitsap, Naval Air Station Whidbey Island and Naval Station Everett. The symposium was designed to provide two-way communication between Sailors and subject matter experts and senior leadership from the Navy' Manpower, Personnel, Training and Education (MPT&E) command, ultimately resulting in increased retention.

Career Waypoints, or C-Way as it is commonly referred to, is the Navy's primary method of providing future career options for Sailors, including reenlistment, rate conversion, or transition into the Selected Reserves (SELRES).

The new Sailor Self-Service Access enables individual Sailors with an internet connection and a common access card (CAC) to directly access C-WAY functions, as well as view their entire C-WAY record. At the symposium, experts were on hand to walk Sailors through the new self-service portion of C-Way and answer any questions.

The Sailor Self-Service Access includes several modules designed to help Sailors take charge of their careers. For instance, Sailors can log in and access the Job Opportunities in the Navy (JOIN) job interest assessment tool that supports recruits and Sailors making rating entry and rating conversation decisions. The tool leverages an association between ratings and the three rating characteristics to match the Sailor's aptitude and interests to make rating recommendations.

Another module is the Career Exploration Module (CEM) that provides Sailors with a web-based view into how their qualifications match to different Navy jobs. It also provides Sailors with an explanation for the jobs they do not qualify for based on mental (ASVAB), medical or moral categories. The CEM module presents Sailors with a what-if analysis in which they can use to improve qualification parameters for particular rates they are interested in.

The Sailor Self-Service Access is available via the MyNavy Portal (MNP) at https://www.mnp.navy.mil/ or via BUPERS Online (BOL) at https://www.bol.navy.mil/. The portal requires authentication via a CAC and you may need to download the appropriate DOD certs prior to using the self-service portal.

# Perspecta awarded $166 million program to provide IT support for the United States Senate

Perspecta has been awarded a prime contract from the United States Senate for its Information Technology Support Contract IV (ITSC IV).

"With a long history of supporting complex systems and network requirements, we have gained a deep understanding, and appreciation of the unique nature and the complexities of high value infrastructure and end-users, which has us well-prepared to deliver this work," said Mac Curtis, president and chief executive officer of Perspecta. "This award is a true testament of our trusted relationship with the customer and we look forward to working closely with the Senate Sergeant at Arms to ensure superior service to the U.S. Senate."

Under the contract, Perspecta will provide the Senate with acquisition and IT support services for workstation and server hardware, operating system software and application system software. The company will also provide innovative help desk services and on-site maintenance and support for the U.S. Senate in Washington, D.C., and more than 400 state offices for Senate members, committees, leadership and officers—improving the end-user experience while improving cost optimization and productivity.

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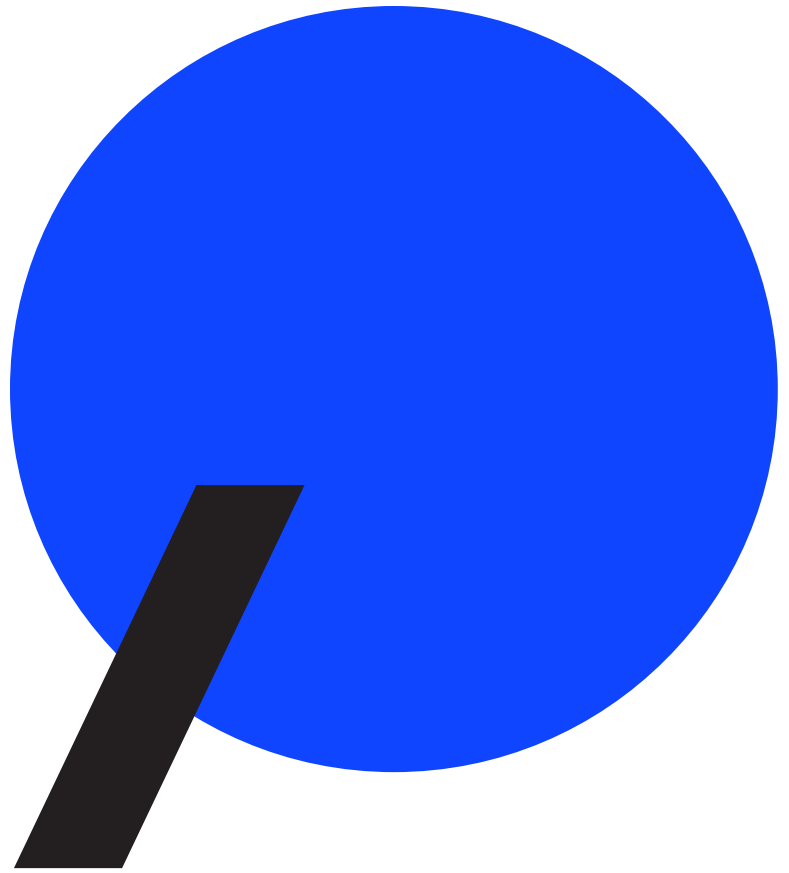
Perspecta supporting Naval Air Weapons Station (NAWS) China Lake earthquake recovery efforts

The Perspecta team is currently supporting Navy response efforts at Naval Air Weapons Station (NAWS) China Lake in California after two major earthquakes opened fault lines on the base and prompted officials to evacuate residents.

Even as NAWS China Lake remains off-limits to anyone but mission-essential personnel, Perspecta field services teams are working to maintain NMCI connectivity to the base. The main China Lake server farm remained operational throughout the earthquakes and as power is restored to buildings on base, field services teams are on hand to make sure Navy personnel are able to bring their NMCI devices back on line. Teams are also working to expedite replacements of damaged equipment and peripherals as needed.

Located in the Western Mojave Desert region of California, approximately 150 miles north of Los Angeles, NAWS China Lake provides and maintains land, facilities and other assets that support the Navy's research, development, acquisition, testing and evaluation (RDAT&E) of cutting-edge weapons systems.

Perspecta awarded NGA Enterprise Engineering (NEE) contract and first major task order for the National Geospatial-Intelligence Agency

Perspecta recently received a single award Indefinite Delivery, Indefinite Quantity (IDIQ) contract from the National Geospatial-Intelligence Agency (NGA) to perform full life cycle systems engineering and integration (SE&I) work. Perspecta also received the first task order on the contract and began performing the services at the end of July.

"We are thrilled to continue this critical work in support of national security," said Mac Curtis, president and chief executive officer of Perspecta. "This award is not only a testament to the value and dependability Perspecta provides, but it also speaks to the confidence our long-standing NGA customer has in our innovation and expertise in SE&I to meet the agency's rapidly evolving mission needs."

Perspecta provides analytical engineering expertise and mission support to government customers across the military, intelligence and federal IT spectrum. As a long-standing leader in SE&I, Perspecta also delivers software, cyber and agile/DevOps solutions via government programs.
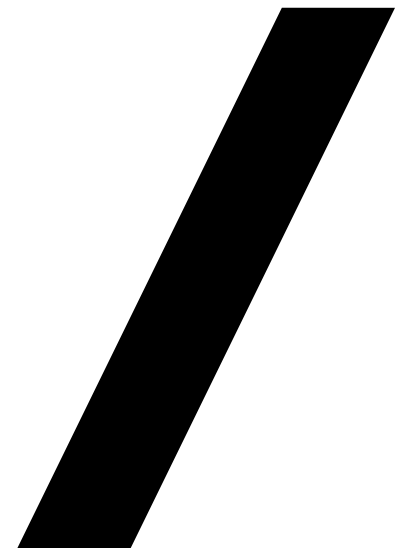
Perspecta team supports Navy command's move

The Perspecta team recently fast-tracked NMCI connectivity services to accommodate the Navy's Research and Development Support Activity's (RDSA) move to a new office in Arlington, Va.

As part of the effort, the team established unclassified connectivity in the command's new space. As the first NMCI project to leverage the direct-to-ATO (Authority to Operate) process, connectivity for the site was active on the same day the authority to connect was received. This allowed the team to complete the installation in four weeks rather than the typical nine-month installation timeline.

The Research and Development Support Activity provides research, technical, logistics and acquisition support to the Navy.
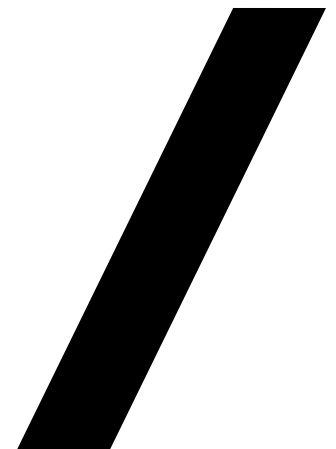
Perspecta completes acquisition of Knight Point Systems

On Aug. 1, 2019, Perspecta completed the tuck-in acquisition of Knight Point Systems, enhancing our robust and proven offerings in cloud, cyber, digital transformation and enterprise IT that modernize and transform government mission delivery.

Knight Point is an end-to-end managed services and solutions provider focused on modernizing IT, protecting critical networks and driving digital transformation. As we continue to fully integrate the former Knight Point capabilities into Perspecta's portfolio, you can expect to see even better transparency and operational excellence, while also enjoying rapid and efficient solution delivery. Their end-to-end "as-a-service" model will revolutionize the way our customers acquire, scale, monitor and maintain technology and services.

"I am pleased to welcome all Knight Point employees and customers to the Perspecta team," said Mac Curtis, president and chief executive officer of Perspecta. "We are impressed by Knight Point's deep customer intimacy, rich legacy of innovation, patented IP and delivery of IT and cyber managed services programs to customers such as the Departments of Defense and Homeland Security. This is a great first acquisition for Perspecta that fits within our capital allocation model and strengthens our capability set. We consider Knight Point to be complementary to Perspecta's culture and offerings, while accelerating our growth strategy."

"As we looked for opportunities to grow our business, it became evident that the scale, strategy and compelling growth engine offered by Perspecta was the perfect home for our company, customers and employees," said Bob Eisiminger, chief executive officer of Knight Point. "It was so important to me that we identify a company that will value our employees and honor our mission to successfully serve federal agencies. I am completely confident that moving forward with Perspecta was the right decision on every level."

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