



# DDC Kitting Opera



## DDOO- kitting operations enhance support to aviation customers

*By Stacy L. Umstead, DDC Public Affairs*

Having end item kits assembled and available to the customer at the point of consumption, enables the Warfighter to perform the mission effectively. At the Defense Distribution Depot Oklahoma City, Okla. a three-member team making up DDOO's newest tailored logistics service, the kitting operation, is assembling kits and meeting the needs of our nation's military

Currently, with 11 kitting projects underway and four completed, DDOO's kitting team handles more than 550,000 different components that make up more than 1,600 types of kits. "These are primarily maintenance kits supporting the F110 Engine Service Life Extension Program,"

said Terry Phillips, production controller for DDOO's kitting team

The kitting operation is unique in that the components that make up the kits can come into DDOO in various quantities. "Accuracy becomes a key element in the success of our program," said Phillips. "If a manufacturer packages a component into bags of 100 each, we have to break open each bag, of what may be 60,000 each total, and verify the amount before we can receipt the material. We do not have a plus or minus tolerance and the customer depends on us to give them exactly what they need."

"DDOO can receive a bag of washers containing 1,000 components and if we receive an order for a kit requiring 637 of those washers. We have to count each washer before assembling the kit," continued Phillips.

One of the kits DDOO assembles is for the Forward Stator which is comprised of 56 line items and over 2,000 eaches per kit.

DDOO may have a small team but the work they are performing is having a big impact. "Currently, DDOO has two-team members and myself," said Phillips. "In 2009 alone, we assembled over 500 kits valued at more than \$3.9 million.

"By having us assemble the kits, it streamlines the maintenance process for our customers," said Phillips. "They have everything they need in one complete package to perform their mission effectively, efficiently and in a timely manner. That's extremely important for our Warfighters executing their critical mission."

DDOO provides a full range of distribution services in support of the Oklahoma City Air Logistics Center, Tinker Air Force Base tenants, and other global customers.

Core services include receiving, storage, packaging, and issue of military supplies. Support to the Oklahoma City Air Logistics Center is primarily for



**Defense Distribution Depot Oklahoma City, Okla. kitting operation team. Left to right, Courtland Vaughn, Julie Godwin and production controller, Terry Phillips.**



**Kitting operations at the Defense Distribution Depot Oklahoma City, Okla.**

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programmed depot maintenance for numerous aircraft and engines and is available around the clock.

The majority of the items shipped from DDOO are destined for customers on base including the 552nd Air Control Wing, the U. S. Navy Strategic Communications Wing One, the 507th Air Refueling Wing and the 3rd Combat Communications Group.

Off-base shipments from DDOO support customers on Air Force bases worldwide with the various systems and commodities that have been repaired at Tinker Air Force Base.

## **DDWG- kitting operation increases logistical support to customers**

*By Stacy L. Umstead, DDC Public Affairs*

As one of eight Defense Distribution Center kitting assembly sites, Defense Distribution Depot Warner Robins, Ga. builds tailored aviation kits supporting Defense Supply Center Richmond, Va. customers and various weapon systems around the world.

“Working with DLA kitting managers at DSCR, DLA’s Aviation Supply and Demand Chain manager, DDWG now has 14 organic kitting projects in support of local Air Force customers located at Robins Air Force Base, as well as, Air Force Bases Tinker, Okla. and Moody, Ga. and the Naval Air Station, Cherry Point,

N.C.,” said Tony Miller, DDC kitting program manager.

The kitting builds allow the Defense Logistics Agency to provide maintenance repair parts in one single container rather than the customer receiving separate pieces and parts through various shipments.

These tailored kits vary in size and scope. Examples of Time Compliance Technical Order kitting include the C5 Heat Exchanger Kit, which is a large kit consisting of material fabricated at DDWG such as clips, shelves, angles tees, metal skin and blankets. The kit also includes bench stock items such as screws, washers, nuts and rivets. “DDWG builds approximately 18-20 C5 Heat Exchanger Kits annually,” said James Hall, DDWG distribution process worker leader.

Additionally, DDWG is building an F15 Modification Kit at a rate of over 500 a month. This kit is used for correction of snubber wear and missile hanger wear. This small kit includes a bumper, shaft, remote control lever and helical compression spring.

Currently, DDWG assembles kits for the C-130J “Super” Hercules, a military transport aircraft, F-15 tactical fighter jet, F-16 Fighting Falcon, P-3 Orion maritime patrol craft, B-1 Lancer and the HH60 Pave Hawk helicopter.

In addition to assembling kits, DDWG also receives, inducts, and stows pre-assembled ship kits supporting weapons systems



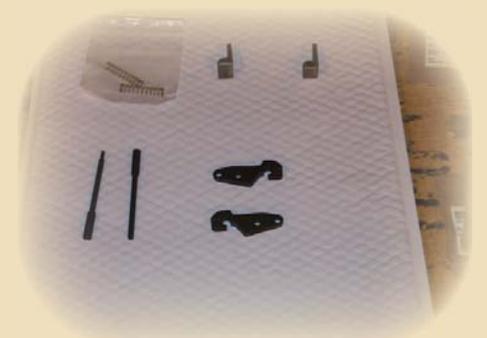
**The C5 Exchanger Kit includes many different components**

throughout the U.S. Armed Forces.

DDWG distributes supplies to all branches of the military at locations all around the world. More than half the work completed at DDWG is in support of the Warner Robins Air Logistics Center. The \$12 billion inventory at DDWG includes parts and equipment for F-15, C-130, C-5 and C-17 aircraft, target acquisition systems, and most airborne electronic warfare systems.

As a result of the most recent round of Base Realignment and Closure, DDWG will expand its services to become one of four strategic distribution platforms operated by the Defense Distribution Center. DDWG is expected to be fully operational as an SDP in 2011. At that time, DDWG will provide storage and distribution support to military customers and other DDC distribution centers in the Southeastern United States.

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**Components in the F15 Modification Kit.**



# DDC Kitting Opera

## **DDCT- streamlined tailored distribution services for local customers**

*By Emily Blubaugh, DDC Public Affairs*

Creating efficiencies in inventory planning, storage, and distribution is critical to the Defense Distribution Center's mission of supporting the readiness and sustainment of America's Warfighters. The Defense Distribution Depot Corpus Christi, Texas, is contributing to that

mission with its tailored logistics support to Corpus Christi Army Depot and other major customers.

DDCT began its kitting initiative specifically to support Corpus Christi Army Depot, the only premier Department of Defense Center for Industrial and Technical Excellence for Aviation Maintenance, including maintenance repair requirements in support of Army Aviation.

DDCT and CCAD have formed a

unique partnership in support of CCAD's "Lean Line Production" program through the creation of a "one stop shop," with DDCT providing total parts packages and direct delivery to local maintenance shops. These measures assist CCAD in its ongoing efforts to cut costs and streamline their maintenance programs, by ensuring that it has the exact parts and tools needed during the helicopter repair process. DDCT has a program in place to track CCAD demand patterns for retail items, restocking



**Members of Defense Distribution Depot Corpus Christi, Texas, kitting operations, and Defense Distribution Center kitting team lead Tony Miller, back, left.**

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items according to demand, allowing the customer to save time and money.

DDCT has recently increased its kitting support to seven different mission design series aircraft within the four military services, providing more than 181 different types of pre-assembled hardware kits designed to support airframe and component programs. Additionally, DDCT builds maintenance aviation materiel kits for the Army, Navy and Air Force.

Defense Logistics Agency enterprise, and DDC partners, Defense Supply Center Richmond, Va., manages kit assemblies at DDCT in direct support of the Army's Aviation and Missile Command and CCAD aviation maintenance production lines. Currently, DDCT has 28 open builds for the organic kitting Project Consolidation and Packaging in support of DSCR's worldwide military customers.

According to DDCT commander United States Army Lt. Col.



**A Defense Distribution Depot Corpus Christi, Texas, kitting worker pulls parts to assemble one of the 181 different types of pre-assembled hardware kits DDCT provides to the 4 military services.**

Bernard Warrington, Jr., "DDCT's kit building operation allows us to provide our Army, Navy, and Air Force customers with their maintenance repair materiel parts in 'a single container.' This enables DDCT to provide Warfighter Support Enhancements to Army, Navy and Air Force rotary wing aviation maintainers worldwide who ultimately enhance their leader's training and mission readiness."

DDCT's kitting operations consists of kitting worker Valerie Sanchez-Pousson whose intensive management and superb customer service skills allow her to be responsive to the dynamic demands of supporting CCAD and the Air Force kitting. The largest kit

Sanchez-Pousson builds is the F110 Engine Service Life Extension Program kit for the Air Force, consisting of approximately 2,000 individual National Stock Numbers.

"Although the numbers are incomparable to DDC's larger kitting operations, the support and outcomes provided by Sanchez-Pousson in support of a critical core competency are remarkable," said Warrington.

Lastly, DDCT maintains its edge in kitting with training via DDC's Kitting team lead Tony Miller. Essential to DDCT's kitting success, Miller serves as DDC kitting subject matter expert and manager, orchestrating the interface between DSCR, DDC, DDCT and customers worldwide.