



CCAD hosts first aviation parts summit

by Lois Contreras
CCAD Public Affairs Officer

Government and private industry representatives met in Corpus Christi on 4-5 Mar to discuss and find solutions to problems encountered by CCAD with procurement and receipt of parts critical to the overhaul and rebuild of helicopters. The two-day effort focused on recapitalization parts issues for the UH-60 Blackhawk. During the two-day summit, representatives from AMCOM, CCAD, Defense Logistics Agency, Defense Distribution Depot – Corpus Christi, Defense Supply Center, Richmond, Communications and Electronics Command, and Sikorsky Aircraft Corporation listened to briefings and joined in group discussions in an effort to come to a better understanding of the problems and to work out possible solutions.

“This is the first step in a journey that will result in a world-class, universally-respected recapitalization

program that will start with the UH-60 and go to other product lines,” said Col. William Lake, project manager for utility helicopters at AMCOM. “It’s great to see the Army’s leadership provide this opportunity for Lean manufacturing and shared corporate expertise to CCAD. Soon, the results will show a transformed depot, ready to compete successfully in the challenging world in which we live and work,” he continued.



Photo by Sharon Haynes

Col. William Lake, UH PMO (left foreground), and Mr. John Johns (2nd left), deputy to the commander, systems command, AMCOM, were among the attendees at the first aviation parts summit held downtown last week.

Another attendee said the CCAD functional people had a great

opportunity through this summit, to teach attendees from other organizations what goes on at CCAD and how parts shortages impact depot production.

“Partnership contracts exist and will provide further fuel to drive the engine of excellence here at CCAD. Many great things have been and are happening here and the people here reflect pride and enthusiasm,” concluded Lake.

Let's celebrate!

DON'T FORGET:

The Lean Review ceremony at Hangar 47, Fri., Mar. 14th, at 1:00PM followed by the CCAD Employee Appreciation celebration immediately following the ceremony at the Gulf Stream Recreation Center near the NAS CC South Gate. Join us for the ribbon cutting ceremony to commemorate the completion of the Lean practices implementation in the first phase of the UH-60 A to A recapitalization and for refreshments, snacks, and music!

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CCAD Huey participates in class project

by Lois Contreras
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When dad is a pilot you get to do all kinds of neat things, such as have him bring your “show and tell” project for class. Elizabeth Frost, eighth grader at Flour Bluff Junior High School and daughter of CW4 Kevin Frost with the CCAD aircraft test office, got to do just that. Due to the industrial nature of the depot’s



CW4 Kevin Frost (left) is shown with daughter, Elizabeth, an 8th grade student at Flour Bluff Junior High during the depot’s UH-1 aircraft’s visit to the school.

operation, safety regulations prohibit depot employees’ children participating in the “shadow” program at the depot. Elizabeth, however, found a way to still have her dad participate with her. As part of the depot’s community relations program, the CCAD aircraft test office supports various events around the Coastal Bend area by providing a static display featuring the depot’s UH-1 Huey.

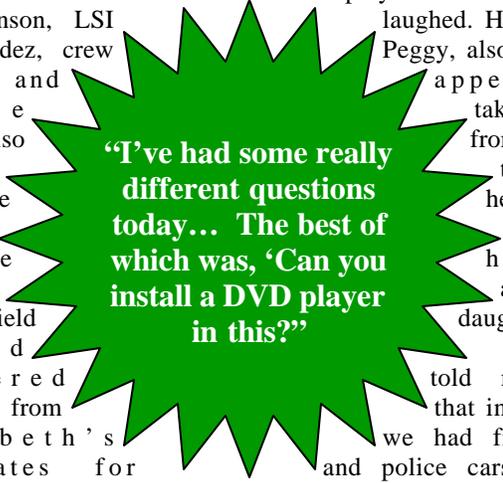
On Feb. 7, Frost, and CW4 Tim

Corwin, co-pilot, and a crew consisting of Otis Johnson, LSI supervisor, Arnold Mendez, crew chief, and Steve Friday, also with LSI, flew the Huey to the school’s football field and answered questions from Elizabeth’s classmates for approximately 45 minutes.

Although Frost had participated in similar projects with his other five children, this was the first opportunity he had to do so with Elizabeth who is the youngest.

“I remember my dad flying Hueys while we were in Iran and flying a bunch of us kids to picnics (that his unit would host),” said Frost, who obviously enjoyed the event as much as the students did. “I’ve had some really different questions today,” he said. “The best of which was ‘Can you install a

DVD player in this?” he laughed. His spouse, Peggy, also made an appearance, taking time from her job to show her support of husband and daughter. “I told my class that in the past, we had fire trucks and police cars for the “show and tell” portion of the shadow project,” said Jeff Russo, 8th grade



Frost answers questions from Fidel Salinas, a student whose grandfather runs the Last Patrol Ranch.

career investigations teacher. “Elizabeth raised her hand and asked if I would like her dad to bring a helicopter.”

As the crew was preparing to depart, Russo asked the class if they thought Elizabeth should be awarded extra credit for her “show and tell” project. The answer: A resounding “Yes!”

Photos by Sharon Haynes



Shown in front of the depot’s UH-1 aircraft at the FBJHS field are back row (l-r): Steve Friday, Otis Johnson, CW4 Tim Corwin, CW4 Kevin Frost and Arnold Mendez. Jeff Russo, 8th grade teacher, is shown standing at left (in coat and tie) and Frost’s daughter, Elizabeth is shown kneeling (2nd from left), along with the rest of her classmates.

CCAD shops' teamwork yields centennial transmission

by Jim Boren
CCAD Special Projects Office

In early May of 2001, CCAD was informed of a safety of flight (SOF) issue for the UH-60A model Blackhawk that affected all 978 A model aircraft. The problem was a cracked planetary carrier discovered by the CCAD Analytical Investigation Division. Failure of the carrier in flight, or possibly even during ground run, could prove catastrophic.

The U.S. Army Aviation and Missile Command (AMCOM) asked CCAD to surge the transmission to maximum depot capacity of the Depot as quickly as possible. A group of representatives from the depot, DLA and DDCT convened bi-weekly to develop a plan to meet the requirement. It soon became apparent that a program that was already plagued with parts problems was going to be very difficult to accelerate.

The depot was asked to pull all the serviceable transmissions out of the supply system and replace the planetary carriers. The carriers in several transmissions in various stages of overhaul in the shop were also replaced. A limited number of new carriers was available in the system for use in overhaul until a redesigned carrier could be produced to correct the problem. The depot was also asked to collect a great deal of measurement data for use in engineering evaluation on both the old carriers being removed and the new carriers being installed. Additionally, a massive record search was undertaken to identify all overhauled transmissions with new carriers that had been produced since the beginning of the overhaul program. AMCOM relayed this information to units in the field to

allow some relief on flight restrictions imposed by the SOF.

The UH-60 transmission shop went on overtime and a seven-day-a-week schedule until the supply of main rotor shafts used in the transmissions was exhausted. With the arrival of new shafts, the shop returned to the accelerated schedule until the supply of new carriers was exhausted. During this time, there were no new main housings available for the overhaul. The Special

analyzed by AMCOM Engineering and Sikorsky sent to the depot and installed on an aircraft. CCAD test pilots and crews ran the transmission to check for unusual vibrations. Additionally, CCAD was asked to build five transmissions with known defects induced into the carriers. These five transmissions were used to validate an ultrasonic detection process and to train personnel from the aviation units on detection techniques.

The prime shop increased production from eight transmissions in April to 20 transmissions in Oct. before the supply of new carriers was exhausted. Redesigned carriers started arriving in mid-December in small quantities. As production accelerated, the shop had to wait for new shipments to arrive. The depot has encountered and has worked around severe parts problems since the inception of this project.

The project has involved almost every facet of the depot in support of the prime shop. This includes but is not limited to program managers, parts managers, quality, PSA, records, equipment engineering, tool engineering, machine shop, plating, cleaning, NDI, shot peen, paint, preservation, production control, composite shop, bearing shop, flight test, DLA, DDCT, DMET, Sikorsky representatives and many other counterparts at AMCOM.

This project reflects the success resulting from true teamwork by the depot and its partners and is just a milestone in our effort to return the fleet to full serviceability. This teamwork will continue until all the carriers in the remaining transmissions, which number in the hundreds, have been replaced.



Photo by Gus Gonzalez

Col. Jim Budney (2nd from left, front row) congratulates the UH-60 Transmission Shop on the production of the 100th UH-60 main transmission in support of severe shortages in the field caused by a safety of flight message issued in May 2002.

Projects Office and DDCT inventoried over 200 transmissions and collected data on the transmission components, housings and failure codes. This data was used to identify transmissions with remaining operational time and failure codes not involving the housing which could be brought in for overhaul. The prime shop requisitioned the transmissions by serial number while DDCT collected the same information on all newly received transmissions and kept the data base current.

A second transmission discovered in the field with a cracked carrier was

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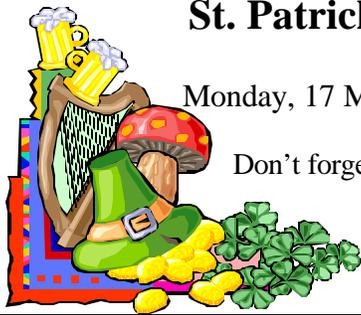
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Our Products Reflect Our Pride.

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www.ccad.army.mil



St. Patrick's Day

Monday, 17 March 2003

Don't forget ye green!

**EMPLOYEE APPRECIATION
CELEBRATION**

**FRIDAY, 14 MARCH 2003
1300 HOURS
HANGAR 47**

Ribbon Cutting Ceremony for completion
of first phase of CCAD's Lean
Manufacturing Initiatives in Hangar 47

Lean Manufacturing Review
JROTC Demonstration
1400-1700

Hors d'oeuvres and Entertainment at the
Gulf Stream Recreation Center
(near NAS South Gate)

Length of Service Awards

Directorate of Engine Production

40 years

Benjamin Wagon

30 years

Steven H. Weatherbee

20 years

Isidro R. Rangel, Jr.

Ruben Guevara

Directorate of Resource Management

20 years

Gregorio Vera



Sharon Haynes, CCAD protocol officer, is shown receiving the Achievement Medal for Civilian Service from Col. Jim Budney at Tues. staff call. Haynes was recognized for excellence in her role as project officer for the AMC Commanders' Conference hosted by CCAD last September.