

Government & Military Flyer

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Issue 2



Mission Planning Tools

Making Missions Possible Today—Enhancing Capabilities Tomorrow

In the last issue of the Flyer we announced the availability of our Total Mission Solution—a complete software suite specifically developed to streamline the mission planning process from beginning to end. In this issue we will focus on the individual components that make up the Total Mission Solution suite to illustrate how its modular design allows you to adopt new technology at your own pace, within your own budget, and specific to the unique requirements of your operation.

The suite is composed of nine mission tools with specific capabilities for each phase of flight.

SchedulePlanner

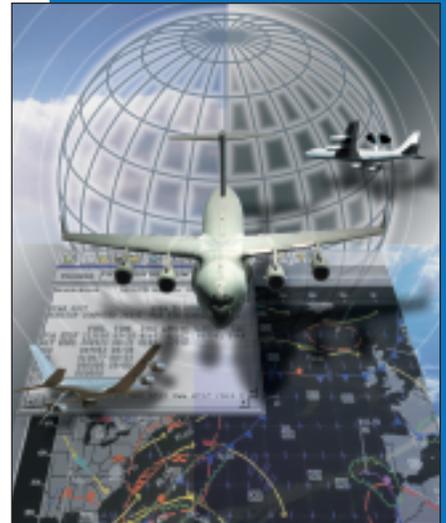
SchedulePlanner is a fleet management tool that gives you the ability to operate your fleet at its most efficient level. The tool builds flights and flight series graphically, using an intelligent aircraft assignment algorithm to automate production of the fleet schedule plan. SchedulePlanner enables you to optimize the moving of cargo and passengers through all phases of a mission, from planning to arrival.

CrewLogic

The CrewLogic system is a powerful crew planning and rostering tool with comprehensive personnel management. The application maintains the complicated and numerous qualifications of each crew member and can be configured to incorporate specific regulatory rule sets, such as work and rest time, training, medicals, and much more. Crew members can consult their individual duty plan and changes over the Internet.

SmartOps

SmartOps is easy-to-use, intuitive software that provides you with all the tools needed to make rapid decisions that minimize delays and keep the fleet on schedule. The application graphically displays the activity of each aircraft and immediately identifies any conflicts. The actual flight plan of each sector can be retrieved through the integration option with MilPlanner, Jeppesen's flight planning solution. SmartOps is fully integrated with SchedulePlanner and CrewLogic so any change to schedule is immediately identified in the crew displays.



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JEPPESEN®

From the Desk of Thomas Wede

Senior Vice-President
Jeppesen Commercial
and Military Aviation



As we approach the halfway point of the year, I am pleased to report that our organizational transition to Jeppesen Commercial and Military Aviation has gone very smoothly. We are already experiencing a significant increase in momentum with respect to our military offerings as the vast experience and expertise of both business units have been carefully, strategically merged into one. The result—even more focus and resources dedicated to our government and military customers.

We are also investing significant time and energy sending our team members out to you in an effort to spend more time with you than ever before. As I mentioned in my last column, we are taking more and more opportunities to visit with you in person this year.

One of the highlights of the first quarter was Asian Aerospace in Singapore. This incredible Asia Pacific aerospace event was the ideal platform for us to make key announcements, including the FAA's operational approval of our Class 1 and 2 Electronic Flight Bag terminal chart applications. We also announced a teaming agreement with Rockwell Collins that will allow us to bring the most advanced technology to the flight deck.

It was again our pleasure to visit with customers at the Mission Planning User's Conference in Las Vegas and at the Berlin Air Show (ILA) in May. We appreciated the opportunity to demonstrate our Total Mission Solution for you. Your feedback is the key to Jeppesen's continued ability to bring the most advanced solutions to the military market.

I hope each of you will be able to visit us at our next major event, the Farnborough International Air Show in July, where we will be located in Hall 3, booth number A14. Look for a personal invitation coming from us in the mail soon.

Our new organizational structure, our constant customer focus, and key strategic partnerships are just some of the ways we are striving to bring the most innovative solutions to your operation. I look forward to keeping you informed on further exciting news in the months ahead.

Mission Planning Tools *(continued from page 1)*

MilPlanner

MilPlanner is a robust, military specific flight planning tool that allows you to optimize the use of personnel and aircraft, enhance situational awareness, and ultimately enhance the effectiveness of your operation. MilPlanner allows you to perform multiple orbits and air-to-air refueling. The graphical view in MilPlanner displays published air refueling tracks and allows you to generate user-defined air refueling tracks.

Mission Ops eCharts

Mission Ops eCharts gives you the flexibility of both ground and airborne-based electronic charts. Ground services offer comprehensive and flexible chart viewing and printing options. The airborne service brings many of the same features into the cockpit. Mission Ops eCharts online is a versatile tool designed to be accessible from any Internet-connected computer.

OpsData®

OpsData provides on-demand aircraft performance analysis for thousands of airports worldwide, using the most complete obstacle database in the world, for your aircraft. The tool's algorithms use aircraft performance, engine performance, aircraft configuration, runway length, runway conditions, environmental conditions, and airport specific obstacle and terrain data to compute your aircraft's maximum takeoff weight and speeds.

eLoadsheet.net

eLoadsheet.net is a full-featured, online weight and balance system for aircraft that offers the latest in loadsheet production systems. No installation of software is required. Jeppesen eLoadsheet.net uses standard web browsers and printers. The system uses a single database, which is accessible anywhere in the world and controlled by you. eLoadsheet.net is fully Personal Digital Assistant (PDA) compliant, which enables it to be used in a wireless environment (WAP, GPRS, Palm, PocketPC, and SmartPhone).

Electronic Flight Bag

Jeppesen's Electronic Flight Bag (EFB) provides aircrews with a strong tool for managing mission critical information in the cockpit. EFB software applications and data distribution management infrastructure brings cross-platform commonality, reduces administrative tasks, and connects your aircraft to the flow of information that defines today's military operations. Jeppesen partners with multiple hardware vendors and installers to offer you a complete EFB solution.

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Tech Talk: NavData

By Jill Jones, Aviation Data Product Manager, Jeppesen Government and Military Aviation

In previous editions of Tech Talk you have read about various Jeppesen products supporting military aviation, such as Flight Planning, Mission Ops eCharts, MilPlanner, and others. This edition focuses on a foundational component of these products, which is also one of Jeppesen’s core products—NavData®.

History

Navigational data was established in the early 1970s to support some of the first flight navigation systems. As the use of airborne navigation systems expanded, Aeronautical Radio Inc. (ARINC) formed a committee to establish a standardized format for coding of aeronautical navigation databases. By 1975, the first ARINC 424 Specification was published, and today remains the world standard. Though initially designed for use in airborne avionics systems, use of ARINC 424 navigational data has

been expanded to include ground-based simulators, mission and flight planning systems, air traffic management, pilot self-briefing systems, and more.

Jeppesen’s Aviation Database

Jeppesen offers the most comprehensive worldwide aeronautical navigation database available. The Jeppesen Aviation Database (JAD) is a sophisticated data maintenance system with more than 10,000 business rules that execute rigorous data integrity checks, ensuring the highest data quality before delivery to customers. JAD is built from the ground up using only original source documents such as government-issued aeronautical information publications, NOTAMs, etc. No government-compiled databases are used. Each month Jeppesen flight information experts meticulously analyze and verify over 30,000 pieces of source information to assure users are

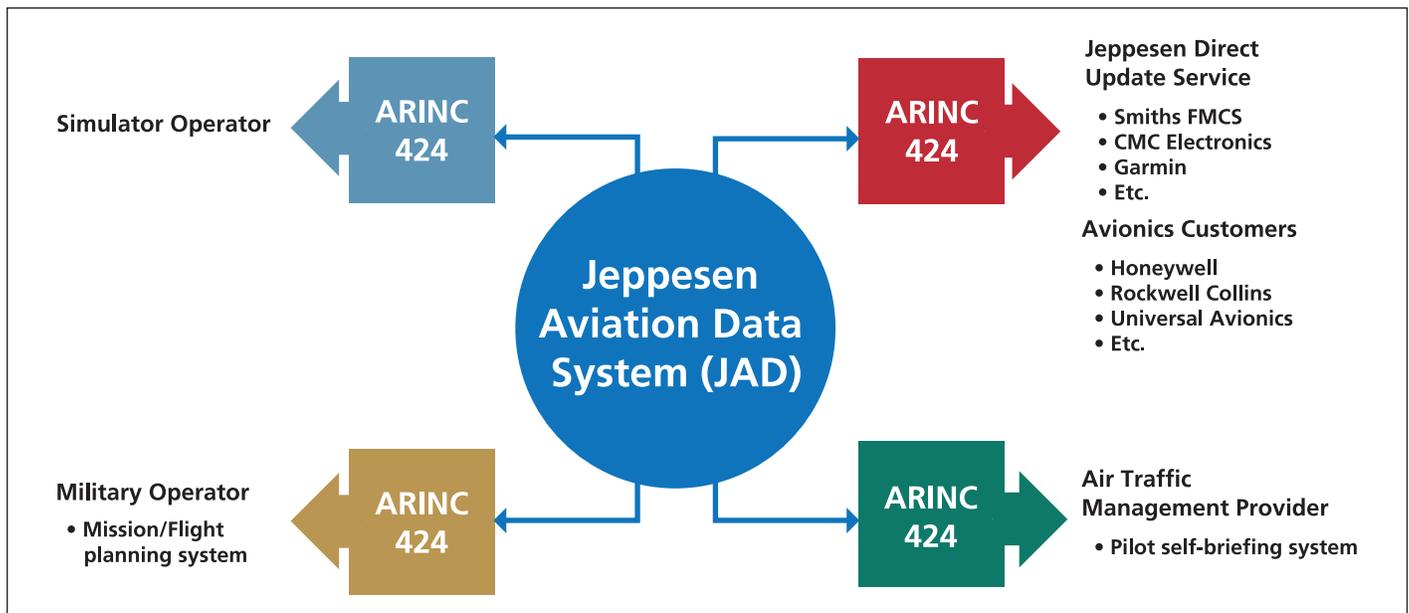
provided the most accurate data available, all within ICAO’s 28-day update standard.

Quality

Jeppesen has invested substantially in building sophisticated quality management systems to maintain certification with ISO 9001/2000, as well as compliance with the DO-200A/ED-76 Standards for Processing Aeronautical data.

With these quality management systems and our state-of-the-art JAD system, we have the infrastructure in place to support the increasingly demanding needs of the aviation industry for high integrity data for RNP, PRNAV, VNAV, FANS, and other advanced navigation concepts. Militaries around the world are implementing these concepts—is your squadron ready with the high integrity data it needs to conduct these operations?

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Frequently Asked Questions

1. Why is the information in my NavData® update sometimes different than what is shown on the chart?

Jeppesen NavData is updated and issued every 28 days. This is a relatively quick and simple operation for the user, since all of the changes are included on the updated media that is loaded into the aircraft navigation system or a mainframe computer system. The charts are quite a different story, as each chart must be individually updated and published. Variations, such as differences in information cut-off dates and lead-time requirements, may bring about distribution in one medium before the other. These differences are generally resolved in the Jeppesen NavData NOTAMs and the Jeppesen Chart NOTAMs. The NOTAMs provide a weekly or bi-weekly update to the NavData and chart services, and can be found on our website www.jeppesen.com under Aviation Resources. A review of the Jeppesen NOTAM pages prior to using either service will help to ensure you have the most current information.

2. Why can't I get NavData updates from Jeppesen for all of my flight navigation systems?

Aircraft are equipped with navigation systems from a variety of manufacturers. Jeppesen provides a direct update service for many of them such as Smith's FMCS, CMC Electronics, Garmin, and others. Other manufacturers, such as Honeywell, Rockwell Collins, and Universal Avionics, have chosen to process their own updates. For our avionics customers, we deliver the ARINC 424 navigational data update to them for processing, and eventual delivery to their end-user customers. In many cases, avionics manufacturers have provided their data processing software to military users, enabling them to process the ARINC 424 navigational data directly, for loading into the aircraft avionics. This provides an earlier data delivery to users and gives them more control over updating their fleet. (See graphic below)

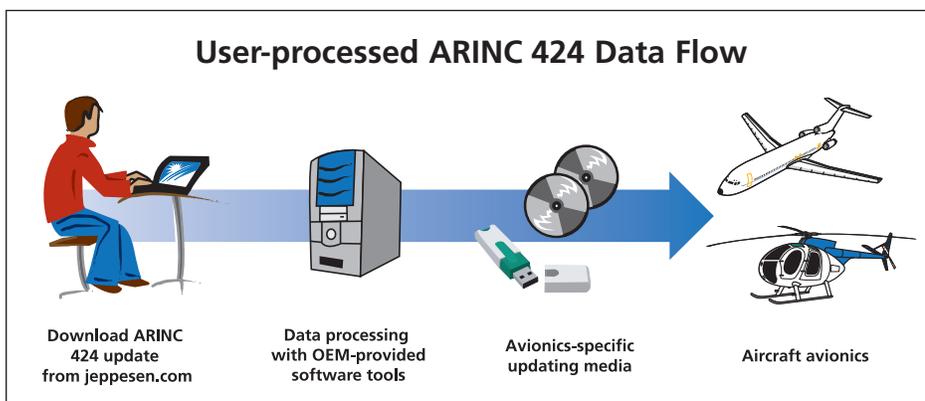
3. Is DAFIF information included in Jeppesen NavData?

The Digital Aeronautical Flight Information File (DAFIF) produced by the National Geospatial-Intelligence

Agency does not conform to the ARINC 424 standard and is not included in Jeppesen NavData. However, some information from DAFIF is incorporated into other Jeppesen products such as MilPlanner. Keep in mind though, that Jeppesen has the ability to tailor data such as airports, waypoints, enroute airways, departure, and arrival and approach procedures, and can often deliver them as early as the next 28-day update cycle!

4. What if our organization needs to have information from our Military AIP included in our database?

Jeppesen has the ability to tailor airports, waypoints, enroute airways, departure, arrival, approach procedures and other data, and can often deliver it as early as the next 28-day update cycle. Military users who do not want information from their MIL AIP distributed to other users will find this service valuable. You provide the MIL AIP and other necessary source documents to Jeppesen, then we code it and include it in your database as tailored information, for your eyes only! Please contact your account executive for more details on this valuable service, or for any questions you may have on Jeppesen NavData.



Jeppesen Welcomes Canadian Forces 412 Squadron

By Rea Heatherington, Business Development Executive
Jeppesen Government and Military Aviation



The Canadian Forces (CF) 412 Squadron recently flew one of their Challengers south to the United States to visit Jeppesen. The Canadian Forces are a long-time Jeppesen customer, receiving flight planning, electronic charting, NavData, and a number of other

products and services. Major Phil Bissonnette, who had planned a currency/training flight with Captains Dario Rossi and Karl Hems, decided to stop in Colorado to receive training from Jeppesen and tour our facilities.

The 412 Squadron calls Ottawa, Ontario, home and provides VIP transportation for the Canadian government. They are truly an international airlift group as their missions often take them out of Canada. Jeppesen's World Headquarters is located in Englewood, Colorado, and sits adjacent to Centennial Airport (KAPA). Centennial, a large corporate and general aviation airport, worked out well as an overnight stop for the 412 crew.

Rea Heatherington and Tom Letts escorted the 412 crew on a tour of Jeppesen, which included a visit to Jeppesen's Global Support and Control Center (GSCC) and printing operations. GSCC is Jeppesen's nerve center, providing dispatch flight planning services to our customers and 24/7/365 product support. The GSCC team enjoyed meeting the Canadian pilots in person, having previously talked with them over the phone while assisting 412 flights. The 412 crew was impressed with Jeppesen's high speed printing operations and was able to see how Jeppesen produces paper charting products.



Tom Letts finished the visit with classroom training on JetPlan® flight planning and Mission Ops eCharts. A visit to Jeppesen is a great way for air forces to learn more about all the things we do to help make your missions possible.



Jeppesen is eager to have military flight personnel visit us at our offices in Englewood, Colorado, Frankfurt, Germany, and Crawley, United Kingdom.

From the Desk of John Kinsman

Senior Manager,
Global Business Development
Jeppesen Government
and Military Aviation



With the first quarter of 2006 complete, now is a great time to review some of the notable milestones the Jeppesen Government and Military Aviation group achieved with you, our customers, in the first three months of the year.

February was a very busy month for the Government and Military Aviation group. The month started with the final installation of the Boeing Ops Control Suite (BOCS) for the Royal Air Force (RAF). This is a critical landmark for both the RAF and the Jeppesen Government and Military Aviation group customer base, as this installation represents the first deployment of a military-focused Jeppesen operations control system, complete with long-range scheduling, crew scheduling, day-of-mission flight dispatch, and flight following. Working with the RAF, we learned a lot about the unique operational requirements of our customers and are looking forward to working with the rest of our customers who have expressed a similar interest in an operations suite solution.

February also marked the first deployment of an operational Jeppesen Electronic Flight Bag (EFB) system with a government or military customer. The Royal Dutch Air Force became the launch customer for Jeppesen's Class 1 EFB when they selected the solution for eight of their mixed fleet of eleven transport aircraft.

Our last "first" in February was the commencement of full aircraft dispatch services for the United States Coast Guard (USCG) HC-130J aircraft. Our team of licensed FAA dispatchers, using our suite of software tools in our Global Support Command Center, provides full mission support for these aircraft. Outsourcing these planning and support services allows the USCG to focus on the execution of their important mission.

As you can see, we are working very hard to provide you, our valued customers, with the solutions you need to "Make Every Mission Possible." One of our organizational goals for 2006 is to do a better job of communicating the exciting things we are

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Did You Know?

By Thomas Letts, Senior Account Executive
Jeppesen Government and Military Aviation

Did you know in an ongoing effort to stay at the forefront of certification to ensure you get the highest possible quality in new technology, Jeppesen is now certified for DO-178B Level C?



Radio Technical Commission for Aeronautics (RTCA) Document RTCA/DO-178B was developed to establish software considerations for developers, installers, and users when the aircraft equipment design is implemented using microcomputer techniques.

DO-178B is a guideline for determining, in a consistent manner and with an acceptable level of confidence, that the software aspects of airborne systems and equipment comply with the FAA airworthiness

requirements. The certification ensures the software is at a level where every line of code can be directly traceable to a requirement and a test routine, and that no extraneous code outside of this process is included in the build.

There are many different levels of DO-178B. Each level is based on the potential of the software to cause safety-related failures identified in the system safety assessment. The DO-178B has five levels of Certification from A to E. Jeppesen is certified to Level C.

Mission Planning Tools *(continued from page 2)*

NavData

Jeppesen's mission tools use our industry leading aeronautical navigation data, NavData, which ensures you have around-the-clock, around-the-world access to the most accurate flight data available.

Together, these products provide a Total Mission Solution for

your operation. As individual components, they give you the flexibility you need to make missions possible today as well as enhance your capabilities for tomorrow.

A detailed fact sheet for each product is available online at www.jeppesen.com/gms.

Upcoming Events - Mark Your Calendar

Royal Air Tattoo

15 - 17 July 2006
RAF Fairford, United Kingdom

Farnborough International Airshow 2006

17 - 23 July 2006
Farnborough, United Kingdom

Third German Naval Air Wing Air Day 2006

24 August - 27 August 2006
Open to the public 27 August 2006 only
Nordholz, Germany

National Guard Association of the United States (NGAUS) General Conference

16 - 18 September 2006
Albuquerque, New Mexico, USA

Airlift/Tanker Association Convention

28 October - 1 November 2006
Orlando, Florida, USA

From the Desk of John Kinsman

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doing on your behalf. As such, we have significantly increased the staffing within our marketing department, and the impact of this new organization has been nothing less than amazing.

One of their most pressing initial tasks was to enhance your experience when you visit the Jeppesen website. You can now find unique government/military customer content at our corporate website by visiting www.jeppesen.com/GMS. At the new site you will find information about our products and services, information regarding the industry events we will be attending, as well as past copies of this newsletter. Our marketing team has plans for even more content in the future, so please add us to your "favorites" list.

As always, keep yourself safe out there. Thanks for your willingness to put yourself in harm's way on behalf of the nations you serve, and thanks for the opportunity you give Jeppesen to serve you.



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