

AVIATION WEEK

& SPACE TECHNOLOGY



18

The U.S. Navy with its EA-18G Growler and Air Force are dividing up the world of airborne electronic attack and planning to create a battle management system to organize the nation's electronic shield on the model of its kinetic air-to-air defenses.

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- 10 **Budget debate** manageable for defense contractors while spending cuts share focus with tax hikes
 - 12 **New life** may be in cards for SJ30 business jet as long-time supplier buys the beleaguered program

- 13 **Changes in F-35** program forcing Israel to consider buying used F-15Es or F-16s as a gap-filler
- 18 **Joint electronic** battlefield will tie together the U.S. Navy and Air Force with an IP-based network
- 20 **Amicable divorce** between U.S. defense space and intel communities appears to be under way
- 21 **Hardware and designs** in place as sprint begins to establish the next U.S. human spaceflight capability
- 46 **Pratt & Whitney Rocketdyne** needs answers fast from NASA on its direction in space exploration



U.S. AIR FORCE / AIR FORCE PHOTOGRAPHY CENTER
WEEK
Technology for
Boeing's
Hybrid Wing
Body

36 Technology for future airliners is being tested in NASA's Environmentally Responsible Aviation program. The most promising technologies will be focused on platforms that NASA will pick under its preferred-system concepts competition. Boeing's concept for a hybrid wing body, powered by either geared turbofans or open rotors, is one of three finalists. Our review also takes a glimpse into Boeing's crystal ball to see what technologies could be featured on an all-new aircraft, should the company opt not to re-engine the 737.

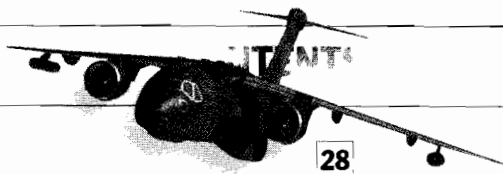


26 Laundry list of new Brazilian defense and security programs keeps growing



43 U.S. Army prepares to award contracts for Joint Multi-Role rotorcraft technology demo program

- 23 **Obama's budget** plan moves starting point of negotiations in the direction of deep defense cuts
- 24 **Norway's fighter** procurement advancing in tandem with plans to develop stealthy cruise missile
- 24 **Israel increasing** defensive capacities now that Iron Dome counter-rocket system is in place
- 26 **Embraer and rivals** step up to provide aircraft and components for Brasilia's new defense agenda
- 28 **KC-390 tanker/transport** may provide lifeline to International Aero Engines and V2500 turbofans
- 29 **New delays in India's** development of HJT-36 trainer could mar hopes for model procurement effort



30 New lease on life in offing for India's two-decade-old Saras light transport aircraft program

31 Avic engine segment expects to launch development of its own C919 powerplant this year

32 Comac working to select materials as it refines the design of its C919 narrowbody airliner

34 American Airlines pursuing lawsuit that could have broad implications for global distribution systems

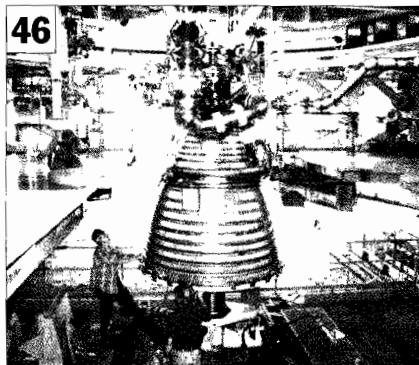
35 Low-cost carriers and full-service competitors of Singapore Airlines capture most growth at Changi

36 NASA makes headway toward quieter, more fuel-efficient, low-emissions transport designs

40 Boeing studies 'art of the possible' for 737 successor, does not plan announcement on re-engining soon


43 U.S. Army heads toward its first next-gen helo program in decades, but approach concerns industry

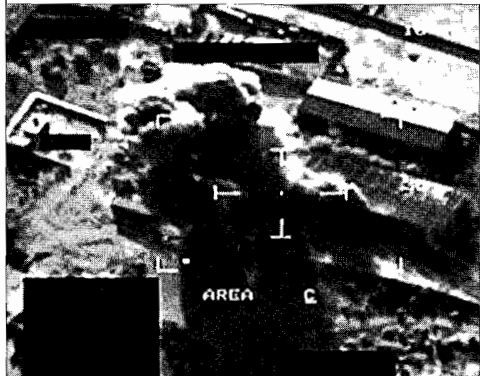
50 When it comes to civil aviation in the U.S., Congress and the administration have been asleep for years




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TYPHOON IN THE FIGHT

 **Some of the first images of the Eurofighter Typhoon's** initial engagement in air-to-ground combat were posted last week on **Ares**, our defense technology blog. In an attack in Libya (see photo), the Typhoon dropped an Enhanced Paveway II.


CANCELED ORDERS

 **Senior Transport Editor Adrian Schofield** confirms that Air Pacific has canceled its Boeing 787 orders, citing financial difficulties and the program's delays. A Fijian government minister announced the news even as the airline and Boeing remained tight-lipped. The two companies ultimately confirmed the news. Read the post at


A380 COLLISION VIDEO

 **Transport Editor Andrew Compart** posts video of the dramatic incident at New York Kennedy Airport in which an Air France A380 clipped the wing of a Delta Connection CRJ700. The post also features the audio recording from the tower during the incident, which can be played simultaneously with the video. To read the post and listen to the media, go to


GLASS HALF FULL

 **Business Aviation Editor George Larson** writes that the fractional-ownership business jet sector should not be given up for dead. In fact, it is healthier than most analysts imagine. Operator Flight Options reported its first-quarter fractional sales jumped a whopping 467%.

SPACE CONVERT

 **Senior Space Editor Frank Moring, Jr.**, reports on Pratt & Whitney Rocketdyne's plan to convert excess engines from Delta IV to Atlas V use and writes about the legacy of U.S.-Russian cooperation that comes out of the space shuttle program.

PREMIUM CONTENT

 **Use the World Aerospace Database** to find suppliers in thousands of product categories and subcategories. Its powerful advanced search allows you to find potential suppliers based on location, disadvantaged or minority-owned status, sales volume and more.