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Winner 2013



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THE WORLD

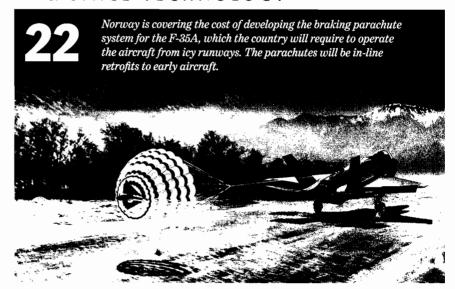
- 13 Sierra Nevada pushes Dream Chaser for human spaceflight despite NASA rejection
- **14 Swiss startup** helicopter manumanufacturer Marenco has first flight of its SKYe SH09 single
- 14 Proton M/Briz M heavy-lift launcher returns to flight, sending Russian milsat to geosynchronous orbit

DEFENSE

- **22 F-35 proponents** in Norway working to ensure the country reaps all that it can from the procurement
- **23 Norway believes** it has found a niche in the market for F-35-compatible weapons and ammunition
- **24 Canada postpones** retirement of its CF-18A/B Hornets until 2025 but will continue support of the F-35

AVIATION WEEK

& SPACE TECHNOLOGY



- **25** South Korea's proposed KF-X wins conditional approval for full-scale development from defense ministry
- **26** Lockheed Martin reverts to using grid to conceal the engine face from radar for its Uclass contender
- **54 Poland steps up** efforts to provide a strike capability that can hit targets deep in enemy territory

ROTORCRAFT

- **31 Biggest names** in offshore helicopter operations looking at sharing ideas, data to boost safety
- **52 Sikorsky wants** to redefine rotorcraft with a configuration that offers higher speed and maneuverability

SPACE

32 Scarce resources and denial hindering development of sensors to measure effects of climate change

33 Commercial Earth-imaging startup faces technical and operational marketing setbacks in exploiting ISS

BUSINESS

35 With Vectrus spinoff, Exelis goes allin on C4ISR, EW, networks for communications and aerostructures

AIR TRANSPORT

- **36** Chicago arson highlights inability of FAA en route centers to recover from major failures quickly
- **36** Shortcomings reported with the monitoring system FAA uses to detect ADS-B network outages
- **38 EASA certifies** A350, so Airbus shifts gears to prepare for first delivery and steep production ramp-up
- **39 787-9 flight-test** discoveries to help Boeing prepare for developments of follow-on derivatives

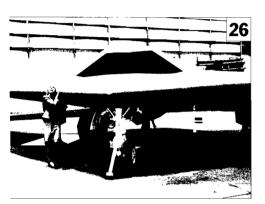




ON THE COVERS

This week, Aviation Week publishes two editions. On the lefthand cover, Sikorsky's first S-97 Raider sits on the ramp at the company's development test center in West Palm Beach, Florida, ahead of the Oct. 2 rollout of the industry-funded, high-speed armed scout helicopter prototype (see page 52). Sikorsky Aircraft photo by Tom Winter. Elsewhere in both editions are reports on certifying the Airbus A350 (page 38), Norway and the F-35 (page 22), new directions for Southwest Airlines (page 46) and offshore helicopter safety (page 31). The cover of our MRO Edition shows laser drilling of a high-pressure V2500 turbine blade at MTU. That edition contains an additional section with coverage of maintenance, repair and overhaul.

- **40 Vietnam Airlines'** quest for foreign investors to support fleet plans draws interest from ANA
- **41 Commercial aviation** routinely takes backseat to military airspace in China, despite worsening delays



42 SkyWest: The more anonymous it remains, the greater its success in supporting its major partners

54

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44 United's ops center leverages technology to gain efficiencies and improve customer care

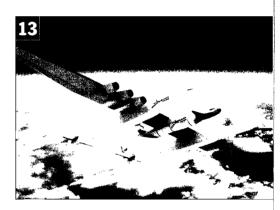
LOW-COST CARRIERS

- **46 Once-scrappy** startup Southwest now owns its position as the largest domestic carrier in U.S.
- **48 Virgin America** preparing to go public, but many analysts skeptical due to route network

51 Frontier Airlines transforming into an ultra-low-cost carrier, taking on the likes of Spirit Airlines

VIEWPOINT

58 ALPA needs to acknowledge its role in the pilot shortage and advocate a more equitable distribution of pay



On the Web %

A roundup of what you're reading on AviationWeek.com

Sept. 29 marked the Read
Senior International Military Editor Bill Sweetman's recollections and link to our original reporting
—then listen to our editors discuss last month's airstrike debut of the F-22

ow.ly/Ca5yg

All five Airbus A350-900 test aircraft took to the skies Sept. 29 for a formation flight over southern France, just ahead of EASA's certification of the type the next day. Read our article on page 38 and see more photos at ow.ly/Ca4DL



Meet the Aviation Week team and

during this

week's MRO Europe conference and exhibition in Madrid.

CHINA TENSIONS

Does

and the resulting street protests raise the risk of China eventually trying to ? See what Beijing Bureau Chief Bradley Perrett thinks. ow.ly/Ca6le

Responding to last week's editorial about , Jajnq wrote: "I had to smile when I read the phrase, 'To say China is not a model world citizen is an understatement.' Many people in the world, including our most trusted friends and allies, might as easily substitute the USA for China, and say this editorial is "ow.ly/Ca9g8"