

AVIATIONWEEK
& SPACE TECHNOLOGY

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- 39 **Miniature Hit-To-Kill** missile flight-tested in preparation for U.S. Army counterrocket competition

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Certification testing of the Boeing 737-8 includes evaluation of new systems such as the fly-by-wire spoilers, which are pictured here as they activate in flight.



- 25 **Comac extends** C919 flight-test program beyond two years, pushing first delivery to 2019



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- 26 **Boeing applies** what it has learned from past production issues to speed 737 MAX development

- 27 **Restructuring** commercial airplanes unit, Boeing moves to safeguard 747-8 until cargo market revives

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- 51 **Dublin Airport** has approval to build a third runway, but operating restrictions present a hurdle

- 52 **Steps by AirAsia** management strengthen the airline's balance sheet, boost investor confidence

TECHNOLOGY

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- 40 **Top European** manufacturers team to devise hybrid propulsion that can power small airliners by 2030s

ON THE COVERS



This week, Aviation Week publishes two print editions. On the cover far left, Bell Helicopter is mating the wing and fuselage of its V-280 Valor at its Amarillo, Texas, plant as it progresses toward flying the 280-kt. tiltrotor in 2017 for the U.S. Army's Joint Multi-Role technology demonstration, a precursor to replacing the UH-60 Black Hawk (see page 29). Bell Helicopter photograph by Mike Calcote. Elsewhere in both editions are reports on off-the-shelf systems to counter small unmanned aircraft (page 31) and a special report on pilot hiring (page 44). Our MRO edition includes an additional section on maintenance, repair and overhaul. On its cover is an ERJ 145. Embraer photo. Aviation Week publishes a digital edition every week. Read it at AviationWeek.com/awst and on our app.



40 Northrop Grumman wins Darpa contract to develop improved sensors for precision weapons

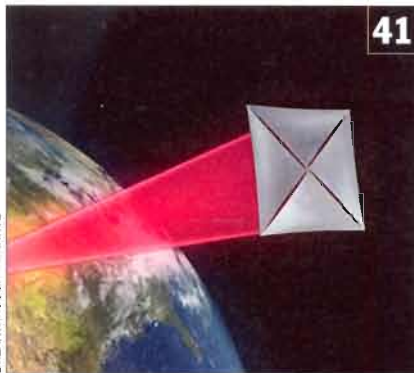
41 Breakthrough Starshot project aims to propel wafer-thin “nanocraft” toward Alpha Centauri

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35 Lockheed Martin applies lessons learned to NASA Osiris-REx near-Earth-object mission



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