

# AVIATIONWEEK<sup>+</sup>

## & SPACE TECHNOLOGY



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# 26

China's big surface-to-surface missiles now belong to a service in the armed forces on par with the army in the reorganized Chinese military. The country's military regions also have been reduced to five from seven.



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### DEFENSE

- 26 **Chinese military** reorganizes toward 'jointness' as defense spending grows but lags GDP
- 52 **Raytheon unveils** Patriot system with gallium-nitride radar in bid for orders and new program win

- 53 **U.S. Air Force** releases the list of suppliers for B-21 bomber; without specifying what they will make

### SPACE

- 28 **Blue Origin founder** has a long-term vision to move heavy manufacturing into space
- 47 **Uncertainties** in budget and politics are affecting NASA decision on small habitat for a cislunar mission
- 48 **'Year in space'** mission of Kelly and Kornienko yields data for Mars trip hardware, protocols

### COMMERCIAL AVIATION

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- 33 **European Union** Court of Justice ruling on flight delays is blurring the concept of contract of carriage



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- 36 **Embraer readies** E190-E2 for flight tests, aiming for a bigger slice of 70-130-seat market with E2 family



### ON THE COVERS

This week, Aviation Week publishes two print editions. On the cover of both editions is an artist's concept of *LightningStrike*, the winner of the U.S. Defense Advanced Research Projects Agency's vertical-takeoff-and-landing X-plane competition. The VTOL X-Plane program aims to deliver hover and high speed with great efficiency and safety (see page 43). Elsewhere in both editions are reports on U.S. carriers seeking service to Cuba (page 32), Blue Origin space projects (page 28) and China's defense spending (page 26). Our *Defense Technology International* edition includes an additional section of articles.

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- 40 If the U.S. airline** industry is booming, why did a large regional airline have to file for bankruptcy?



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- 42 MD Helicopters** will launch new single-engine, dual-use MD6XX and upgrade MD902 Explorer

### TECHNOLOGY

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### AERONAUTICAL ENGINEERING

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- 50 Australia's decade-long** military buildup continues, with new emphasis on cyberdefense

### CYBERSECURITY

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- 56 Pentagon** acknowledges waging cyberwar in Syria but divulges little about weapons and methods
- 56 F-35 Joint Strike Fighter** logistics system may be vulnerable to cyberattack, experts say

### VIEWPOINT

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