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AVIATIONWEEK & SPACE TECHNOLOGY

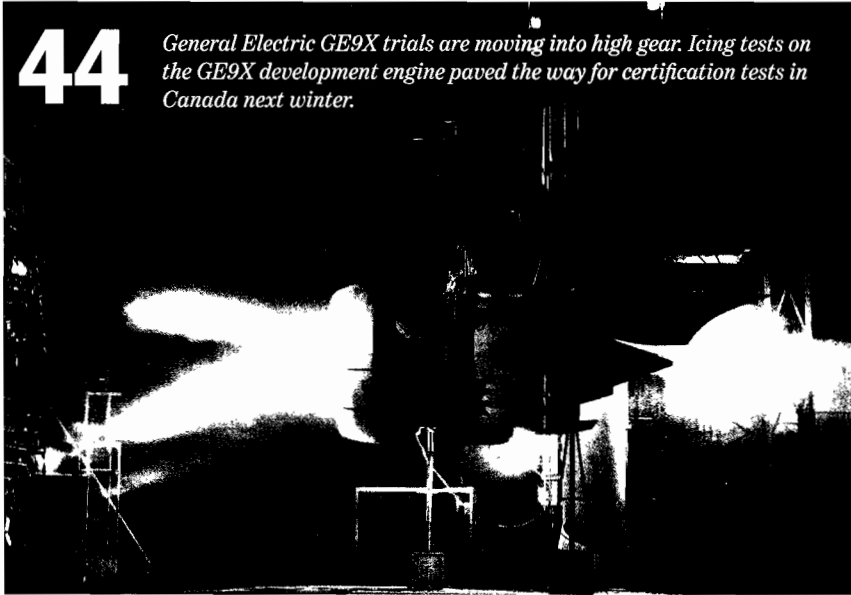
Grand Neal Winner 2017

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COMMERCIAL AVIATION

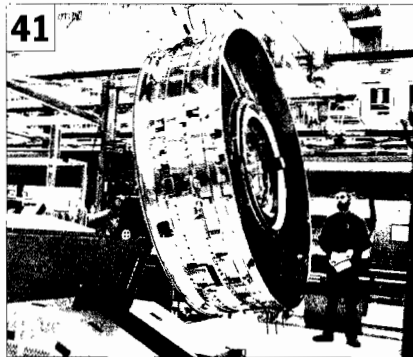
- 20 Detail design of a Sino-Russian widebody airliner should be completed by the end of 2018
21 Boeing and Bombardier clash over question of "launch pricing" or "price dumping" on C Series
41 Safran tackles Leap 1B low-pressure turbine production issue, expects to deliver on plan this year
42 China's big airlines will need their political influence to counter AirAsia Chinese franchise threat
43 European Commission prepares new guidelines for airline ownership and control regulations



44 General Electric GE9X trials are moving into high gear. Icing tests on the GE9X development engine paved the way for certification tests in Canada next winter.

UNMANNED AVIATION

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U.S. BUDGET

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- 26 New NASA budget mimics Obama administration's, but deemphasizes climate science
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28 FAA 'privatization' budget plan appears to give back more in tax breaks than it would bring in

DEFENSE

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31 Japan considers land- and ship-based defense systems to stop North Korean ballistic missiles
33 U.S. Marines tout the stealthy Joint Strike Fighter in exercises in Japan, South Korea and Alaska

- 34 UK and Turkish governments greenlight development of TF-X by BAE Systems and TAI

- 36 Turkey unveils clean-sheet, indigenously developed dual-use helo for home forces and export

ON THE COVER

Our pilot flies Airbus's latest, the A321neo, and finds it is not just the engines in the venerable A320 series that have changed (see page 46). Airbus photo by P. Masclet. Elsewhere in this issue: Bombardier, Boeing and the "dumping" accusation (page 21), inside the F-22 raid on Syria (page 29), Japan's missile defense options (page 33) and the promise and challenge of "big data" for OEMs, operators and MROs (page 37).

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## MAINTENANCE, REPAIR AND OVERHAUL

- 37 Big data is a big deal** in aerospace and defense, according to buzz at recent industry conferences

## SAFETY

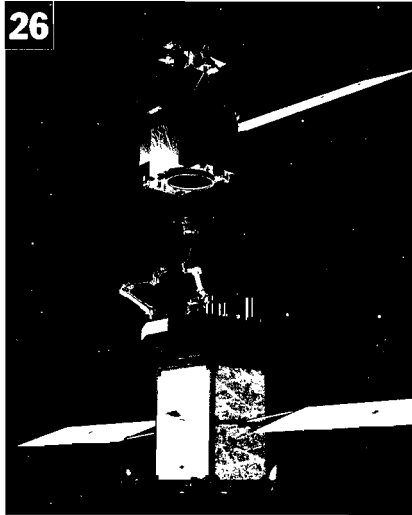
- 38 Australian safety** bureau report continues pressure on ATR to justify tail structure strength

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- 56 F-35A flying display** is expected to vie for attention with other fighters, trainers and helos at Le Bourget

- 58 From big rockets** to innovative cubesat swarms, burgeoning space sector is in the spotlight

- 60 More OEM** vertical integration is coming but so are new opportunities for suppliers

- 40 Final accident report** on 2014 Paris incident highlights dual-pilot input issue and technical answer to it

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