AVIATION WEEK SPACE TECHNOLOGY

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V-JET 2

Testbed for Small Turbofans

PAGE 54

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INITIATIVE
DOING MORE
WITH MUCH LESS
PAGE 56

AVIATION WILLIAM SPACE

The Williams V-Jet 2 will make
its debut this week at the Experimental
Aircraft Assn. exhibition in Oshkosh, Wis.
The aircraft is an advanced testbed
for 700-lb.-thrust Williams International
FJX-2 turbofan engines (see p. 54).
Williams International photo.

About the Cover

WEEK SPACE TECHNOLOGY



22



HEADLINE NEWS

Boeing, EU resolve dispute over merger

Airbus restructuring to improve competitiveness looms larger

French Socialists backtrack on privatization policy

Bow to economic and political realities regarding government-owned companies

Smoother lander operations planned

Mission shows precision that will be required for communications with new landers, orbiters and rovers 25

Scientific data continues to flow despite delays

Experiment shows dust not expected to affect Pathfinder solar power generation on Mars 27

Russians forced again to shift Mir strategy

New crew's mission will be almost totally devoted to repairing and refurbishing the station 31

New GPS launched; civil users cautioned

Launch represents major shift in GPS program to new contractor and more advanced spacecraft 32 Spacelab tests advance commercial science

Researchers deciphering data from hundreds of combustion, alloy production and fluid tests

AIR TRANSPORT

Southwest nears debut of 737-700 service

In a departure from club seating, Southwest's -700s will offer passengers 137 forward-facing seats

NTSB urges inspections of 1900D outboard flaps

In the wake of four incidents involving failures

TWA's 2nd-quarter loss bucks industry trend

Plans to make substantial staff cuts before year-end; performance linked to drop in yield 43

http://www.awgnet.com

Aviation Week's Web site offers selected articles from the current issue, as well as daily news updates, the Safety Resource Center, a gallery of photos and features from special issues. It's also a great jumping off spot for surfing to other aerospace sites. We're available on CompuServe, too; just GO AWG.

Northwest opts for more Avro RJ85s for Mesaba Deliveries will begin in May

Deliveries will begin in May and continue for four years

AMR faces opposition on Latin, Spanish deals

Not likely to be approved without substantial changes to the bilateral air service agreements

FAA mandates Tomahawk stall tests

Requires Piper to repeat 1978 tests that were improperly documented

Detroit City startup sets low-fare strategy

38

ProAir challenges Northwest Airlines' near-monopoly in Motor City

El Al Airlines prepares for privatization

Embarks on plan to rebuild aircraft fleet and upgrade service image

SPACE TECHNOLOGY

NASA readies TRMM weather satellite

Designed to improve understanding of how tropical rain affects global weather patterns







48



Iridium venture hits first big glitch

Ground controllers lose communications with one of in-orbit satellites

AEROSPACE BUSINESS

L-3 targets TI unit, other acquisitions

Wants chip-making operation that
Raytheon recently inherited and
must sell as part of settlement

50

Sextant Avionique lands Triumph Group's Air Lab Div.

Large-scale, transatlantic
mergers occurring at lower-tier
supplier level
50

V-JET 2 ENGINE TESTBED

Williams International unveils V-Jet testbed

Turbofan-powered concept of aircraft to replace piston-engined designs 54

LEAN AEROSPACE MANUFACTURING

Lean initiative spurs industry transformation

Holds the promise of shifting how U.S. military aircraft will be procured and manufactured 56

Model helps spread key LAI concepts

Assists companies in assessing progress toward lean organization

Pilot programs test lean theories

Being used to create tangible benefits for U.S. military aerospace

Lockheed Martin reconstructs TAS unit as 'fighter enterprise'

Changes affect business systems, modeling and simulation uses

McDonnell Douglas hones lean activities

Centered on inventory, self-directed work teams and quality

WEAPONS TECHNOLOGY

U.S. seen more vulnerable to electromagnetic attack

Nuclear detonation in space could lead to instantaneous short-circuit of unprotected networks

DEPARTMENTS

60

62.

64

Correspondence	8
Who's Where	10-11
Market Focus	13
Industry Outlook	15
Airline Outlook	17
News Breaks	19
Washington Outlook	21
In Orbit	48
Classified	68
Contact Us	76
Aerospace Calendar	77

EDITORIAL