National Training Aircraft Symposium (NTAS)   2016 - Pilot Supply, Regulatory Compliance, & Training Equipment

Mar 15th, 1:15 PM

L3 Aviation Products: As Diverse as Aviation Itself

Todd Scholten
Fleet Sales Chief Pilot, L-3

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AS DIVERSE AS AVIATION ITSELF

L3 Aviation Products

ACSS • Aviation Recorders • Avionics Systems • Display Systems • Electronic System Services

L-3 At A Glance

- $13B+ large-cap Defense Company

- Fortune 150; S&P 500 Company

- Prime Contractor in C^{3}ISR, Government Services & Aircraft Modernization

- Supplier of Subsystems & Products

- Diverse business base with good sales visibility

- Over 70 businesses with approx. 51,000 employees worldwide

C^{3}ISR

National Security Solutions

AM&M

Electronic Systems

Commercial and Military Aviation Solutions.

ADS-B Mandate

- **Consists of two different Services**
  - ADS-B Out – Minimum requirement
    - UAT Out (below 18,000)
    - 1090 ES (all altitudes)
  - ADS-B In – Adds features
- **Intended to replace radar**
  - Integral to US NextGen airspace strategy
- **Hardware required**
  - Rule compliant position source (GPS)
  - ADS-B unit
- **Required Equipage (US)**
  - All aircraft flying in the US National Airspace by 2020

Commercial and Military Aviation Solutions.

Aviation Products Sector

L-3 APS Solution to ADS-B Equipage

Recipient of the
FLYING
Editors' Choice Award

Reasons to Equip with ADS-B

- Reasons aircraft operators will select an ADS-B In/Out solution:
  - Traffic
    - The traffic picture used by air traffic control will be available in the cockpit
  - Weather
    - Weather reports and radar available through Flight Information Service (FIS-B)
  - Terrain
    - Terrain information available to pilots
  - Flight information TFRs and NOTAMs broadcast to aircraft
- Mandate
  - All aircraft flying in the US will be required to be equipped with ADS-B by 2020
  - UAT Out is the minimum requirement for aircraft that fly below 18,000
- Get ahead of potential backlog as mandate approaches

Commercial and Military Aviation Solutions.

L-3 MultiLink Surveillance System

- **Family of affordable ADS-B focused solutions**
  - Remote mount
  - Panel mount
- **Integrates key elements for easy installation**
  - ADS-B In & Out
  - Mode S ES
  - UAT
  - Embedded GPS
  - Active Traffic
  - ATAS *–NEW!*
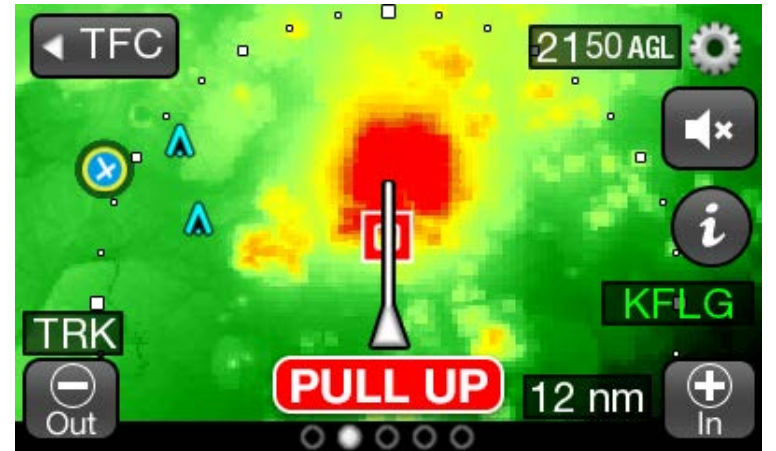 - TAWS- *NEW!*
- **Reduced Weight**
- **Low Cost**

TAWS

ATAS

- Formerly referred to in development of the MOPS as TSAA (Traffic Situational Awareness with Alerts)

- Includes 2 methods of providing alerts

  - With display

  - With only light and audio

  - Requires only the use of ADS-B information

  - NGT-9000 uses display and audio

Lynx® MSS Capability

NGT-1000
UAT OUT
Rule Compliance

NGT-2000/2500
UAT IN/OUT
ADS-B Wx &
Traffic to iPad

1090ES Transponder
ADS-B Wx & Traffic
Display

1090ES Transponder +
Active Traffic (TAS)
ADS-B Wx & Traffic
Display

Commercial and Military Aviation Solutions.

L-3 ADS-B Solutions for Flight Schools

- **Lynx® Advantage**
  - Common equipment for all aircraft minimizes downtime
  - Extensive AML STC includes all popular trainers
  - Single box "one and done" solution
  - No other expensive changes needed to other avionics
  - Unmatched field support
  - Customized proposals to match your fleet needs
  - Installation support and training
  - Three Year warranty

Member

Flight School Association of North America

LYNX
MULTILINK SURVEILLANCE SYSTEM

L-3Lynx.com

Commercial and Military Aviation Solutions.