L3 Aviation Products: As Diverse as Aviation Itself

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AS DIVERSE AS AVIATION ITSELF
L-3 At A Glance

- $13B+ large-cap Defense Company
- Fortune 150; S&P 500 Company
- Prime Contractor in C³ISR, Government Services & Aircraft Modernization
- Supplier of Subsystems & Products
- Diverse business base with good sales visibility
- Over 70 businesses with approx. 51,000 employees worldwide

C³ISR
National Security Solutions
AM&M
Electronic Systems
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
L-3 APS Solution to ADS-B Equipage
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
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
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

L-3Lynx.com