

# Oklahoma City Air Logistics Center

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*Developing, Fielding, and Sustaining America's Aerospace Force*



**U.S. AIR FORCE**

## 2004 DoD Maintenance Symposium & Exhibition Local Manufacture

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*Integrity - Service - Excellence*



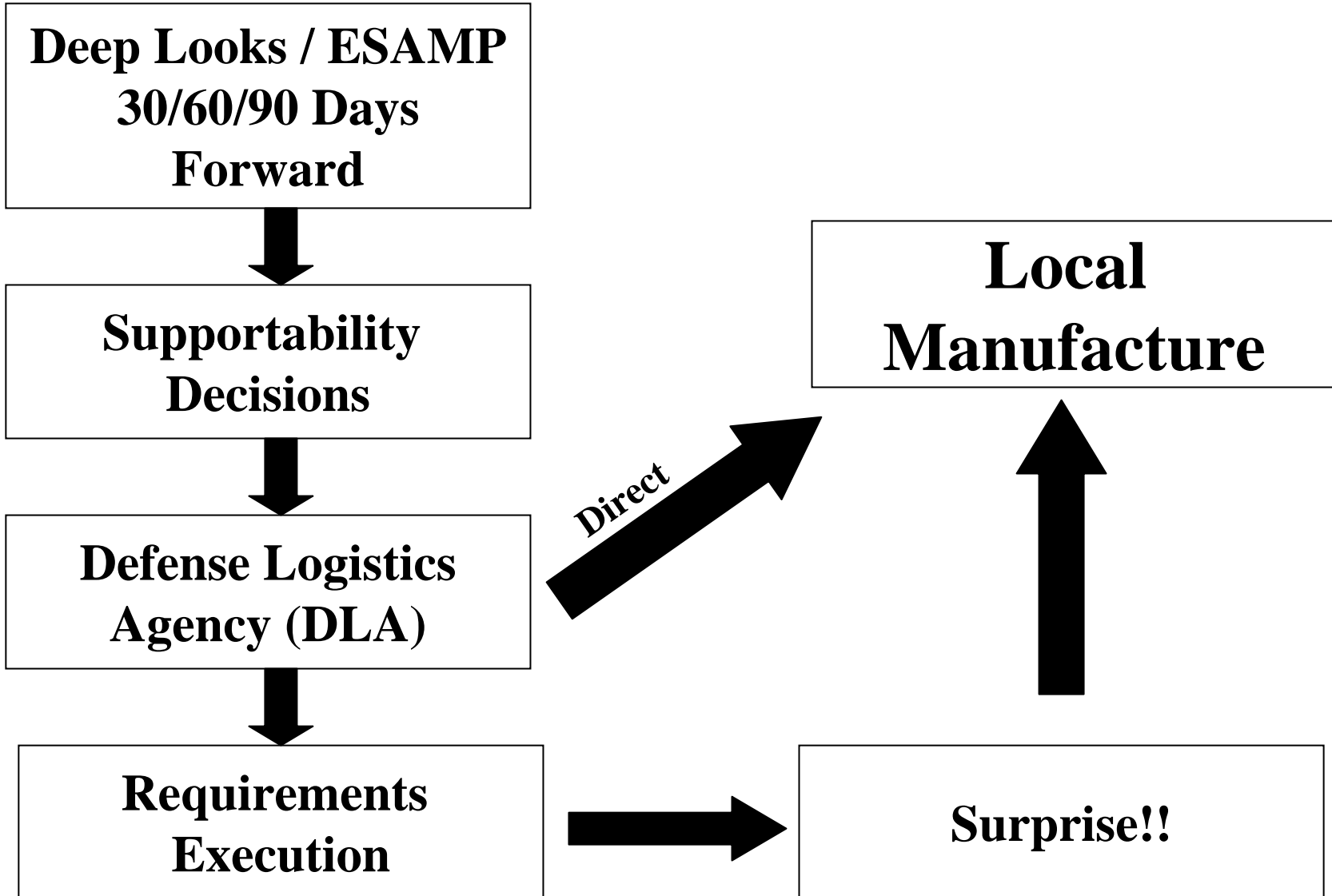
# Overview



- **Decision Process**
- **Tomorrow's Technology Today**
- **OC-ALC/MAN Manufacturing**
- **Customers**
- **FY04 Statistics**
- **Success Stories**
- **Summary**



# Decision Process





# Tomorrow's Technology Today



- **Modern 5-Axis Machining Centers**
- **5-Axis Bridge Mill**
- **Computer Numerical Control (CNC) Wire-Feed Electrical Discharge Machine**
- **Co<sub>2</sub> Laser**
- **Tubing & Cable Facility**
- **Sheet Metal Facility**
- **Electrical Cable Facility**
- **Advanced Composite Facility**



# OC-ALC/MAN Manufacturing



- **Core Competencies**
  - Major Structural Aircraft or Engine Parts
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- **Employs 200 people**
  - **9 Shops**
    - 3 Shifts
    - 7 Days per week
- **Skilled Workforce**
  - **Technical Skills**
  - **Engineering Support**
  - **Quality Support**



# Customers



- **Internal**
  - OC-ALC/MAE, Engine Production Division
  - OC-ALC/MAB, Aircraft Division
  - OC-ALC/MAMD, Depot Supply
- **External**
  - **Support all Weapon Systems**
    - B-52, KC-135, B-1, E-3
    - Navy E-6
  - **Defense Logistics Agency (DLA)**
  - **Other Air Force Bases**
  - **Contractors**



# FY04 Statistics



- **Workload Requirements**

- **Internal Customers**

- Manufacturing exceeded Requirements by 78K hours thru EOM Aug 04

- **Temporary Work Requests Processed** **4,711**

- Manufactured 57,816 parts **\$23M**

- Averaged one work/line stoppage per day from internal customers

- **External Customers**

- Stock Funds issued to Manufacturing during FY04 **\$12M+**



# Success Stories



- **B-52G to H Strut Conversion**
- **B-52 Side Cowling**
- **B-52 Nose Cowling**
- **E-3 Modification on TS-3 Training Aircraft**
  - Currently 26 days ahead of schedule
- **E-3 Urgent Request to Manufacture Inserts**
  - First Part Delivered Five Days After Receiving the Work Request





# 5-Axis Bridge Mill



Manufactures Fittings and Blocks



# Stretch Wrap Former



Prototypes and Manufactures Aircraft Skins and Frames



# Summary



- Local Manufacturing provides an agile work force with a proven record whose assistance has allowed its customers to:
  - Meet Production Requirements
    - On Time
    - Within Cost
  - Maintain a High Standard of Quality



# PROCESS FLOW

