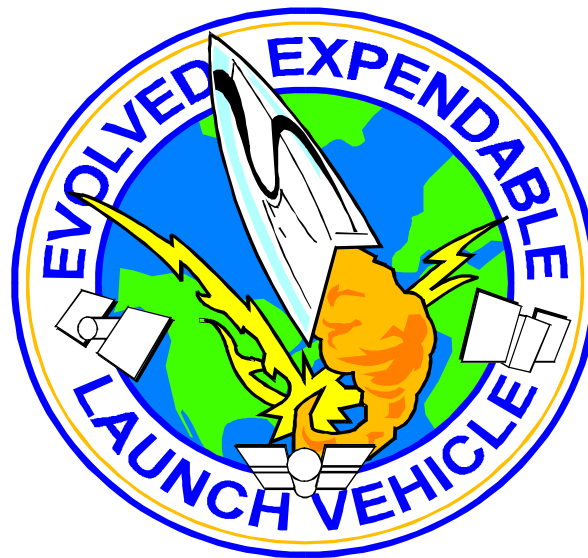


Evolved Expendable Launch Vehicle (EELV) Program Overview



Affordability Through Innovation



Overview

- Program Background
- Contractor Concepts
- Acquisition Reform



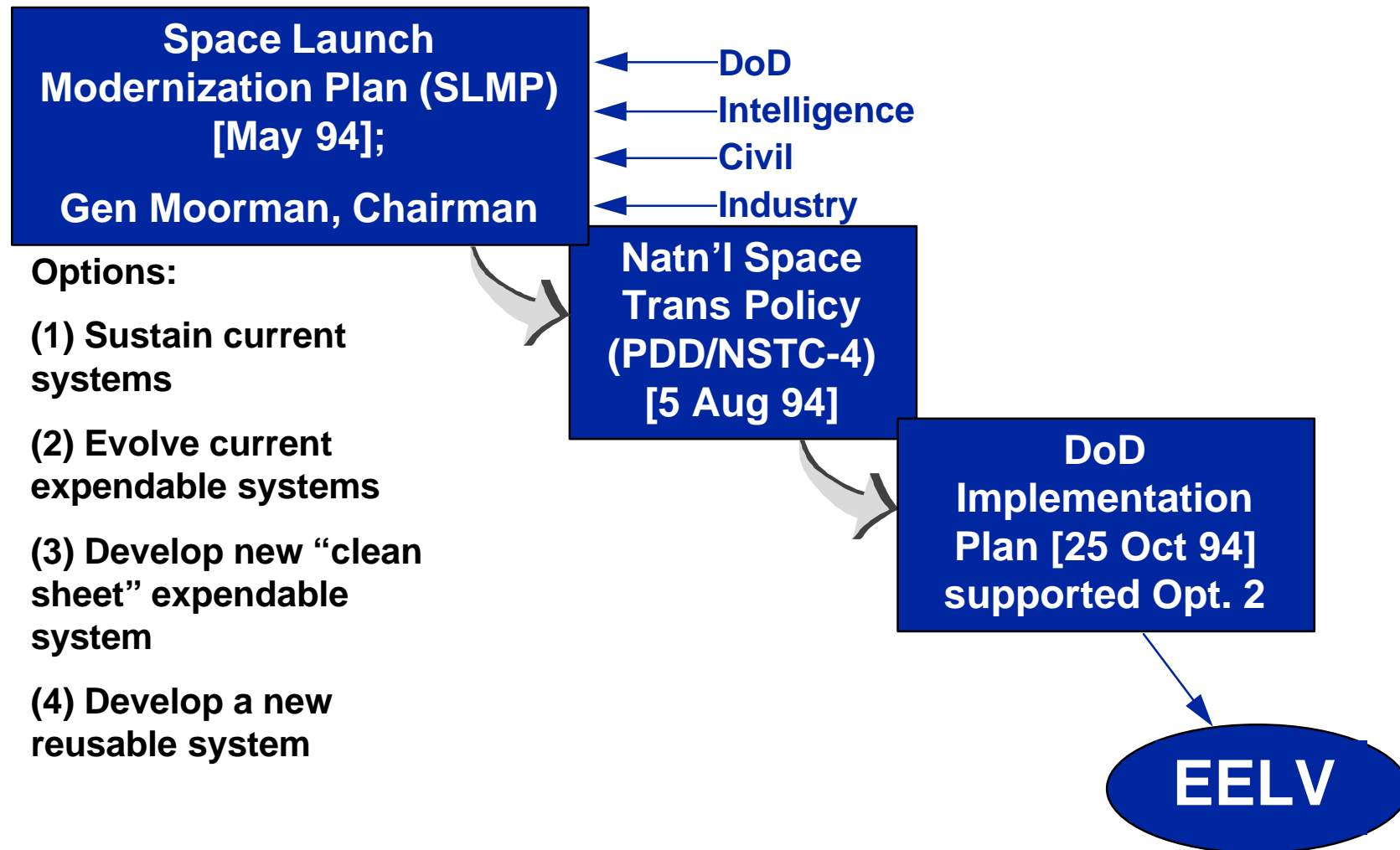
Program Background

EELV Mission Statement

- **Mission:**
 - Partner with Industry to develop a national launch capability that satisfies the Government's national mission model requirements and reduces the cost of space launch by at least 25%
- **Objectives:**
 - Increase the U.S. space launch industry's competitiveness in the international space launch market
 - Implement acquisition reform initiatives resulting in reduced government resources necessary to manage system development and acquire launch services



Program Background Requirement for EELV



PDD - Presidential Decision Directive

NSTC - National Science and Technology Council



Program Background

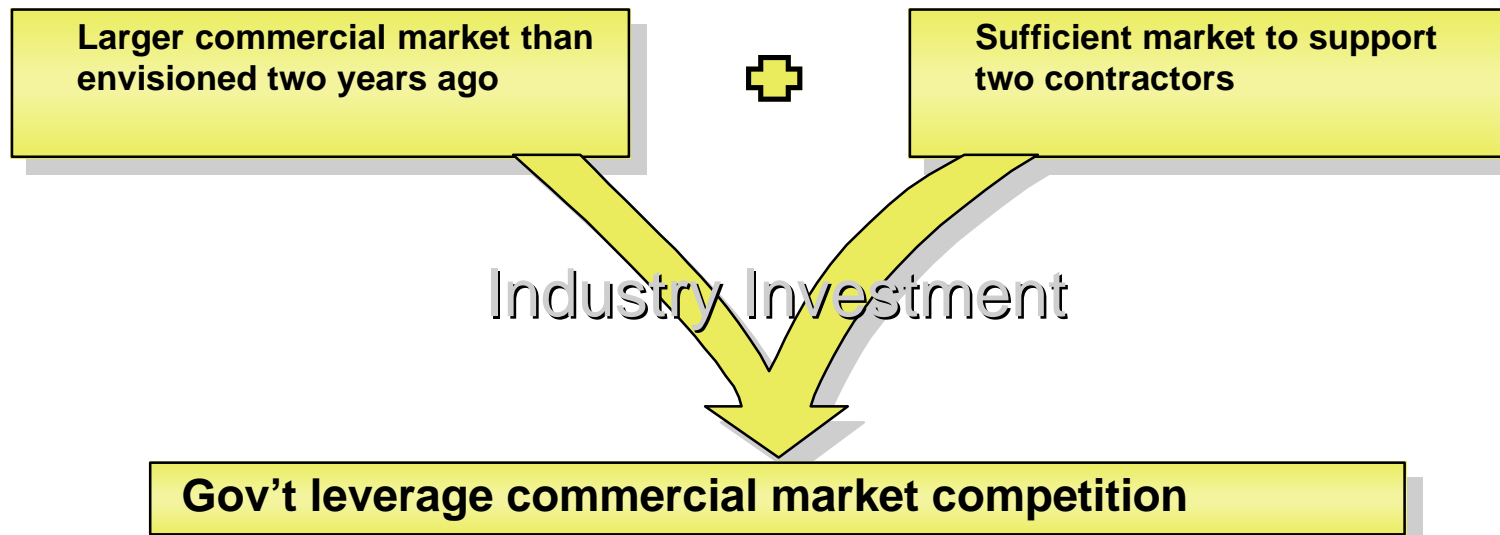
Acquisition Strategy

- **Original acquisition strategy formulated in early 1995**
 - Strategy called for downselecting to one contractor
 - Contractor provides a family of launch vehicles to support Government requirements
 - Contractor in a position to capture a larger share of the international commercial launch market
- **Other features of original strategy:**
 - Cost-type contract for Engineering & Manufacturing Development (EMD) contract
 - Two system test flights during EMD
- **Approach in strategy revised on 6 Nov 97**

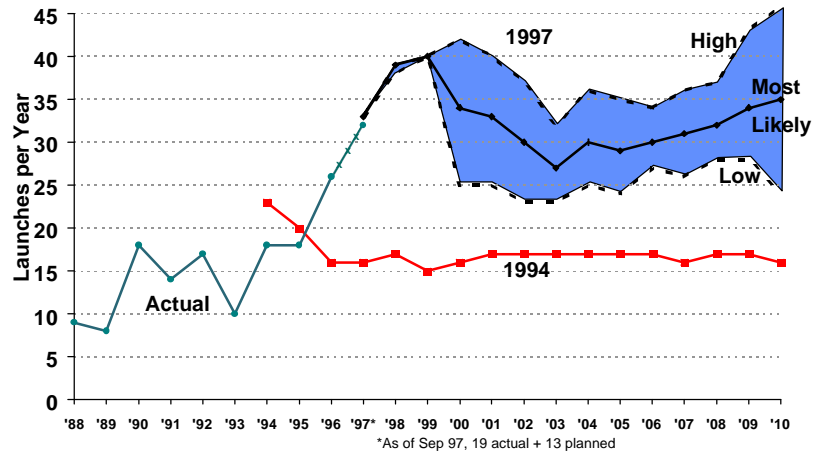


Program Background

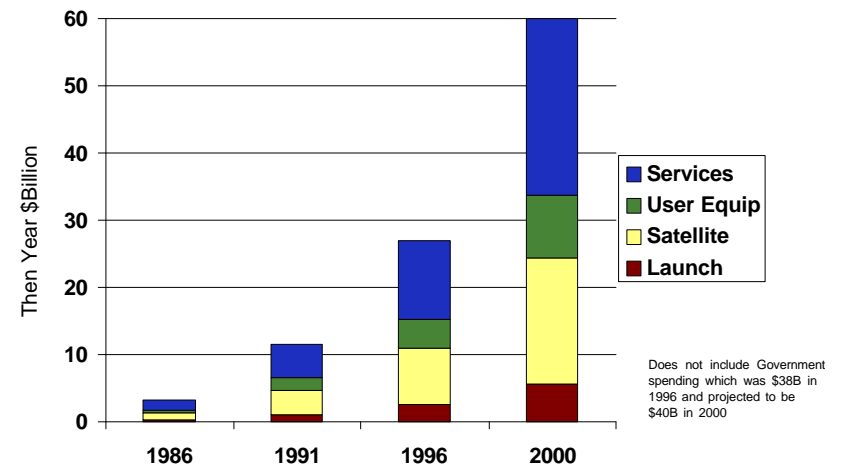
Reason for Acquisition Strategy Change



COMSTAC Addressable Commercial GTO Market



Commercial Space Market Growth





Program Background

Summary of Strategy Change

Old

- Cost-type contract for EMD
- Two system test flights
- Downselect to one
- Production

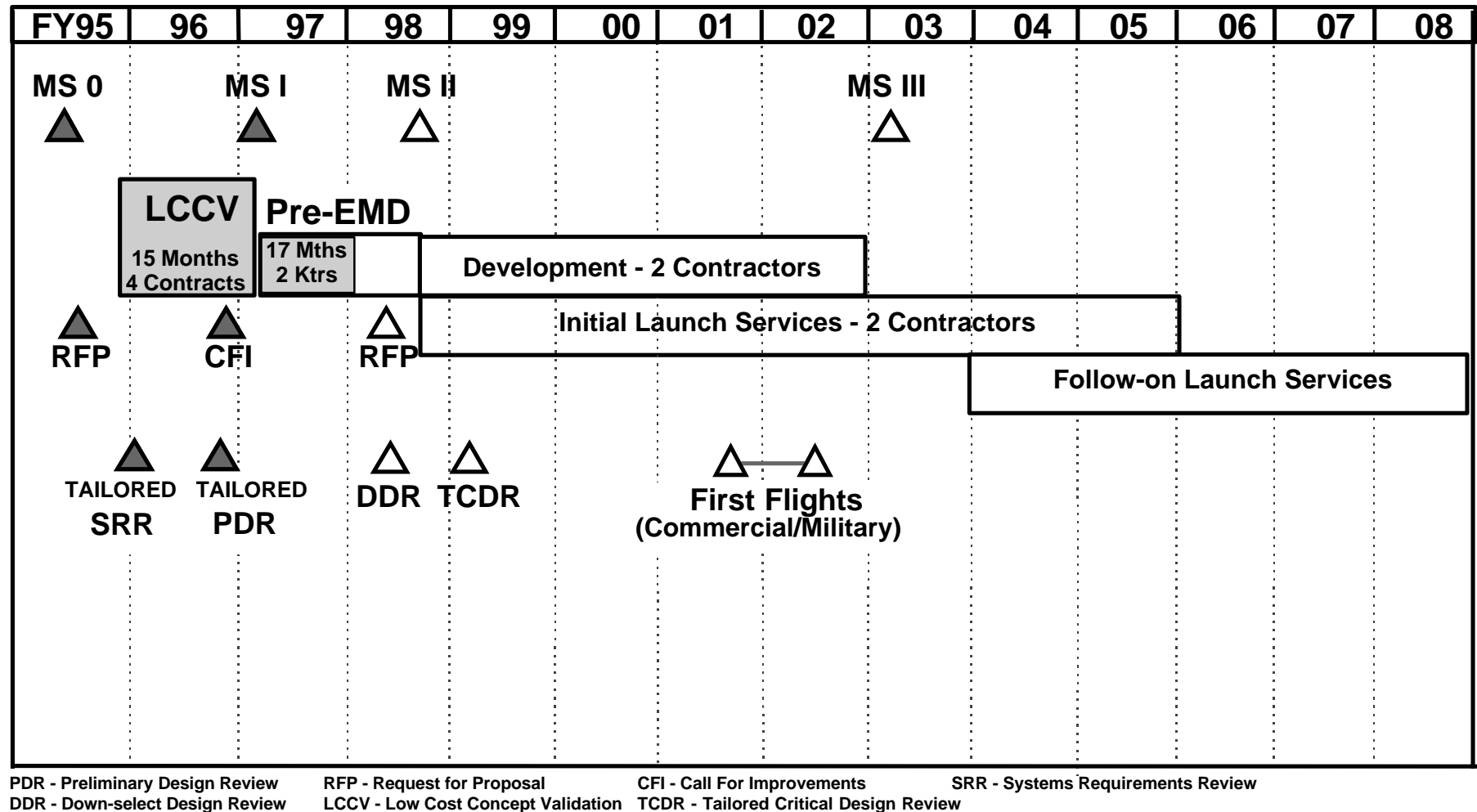
New

- Fixed Gov't investment for development in addition to contractor investment
- No system test flights
- Compete two over life of program
- Launch services



Program Background

EELV Acquisition Schedule

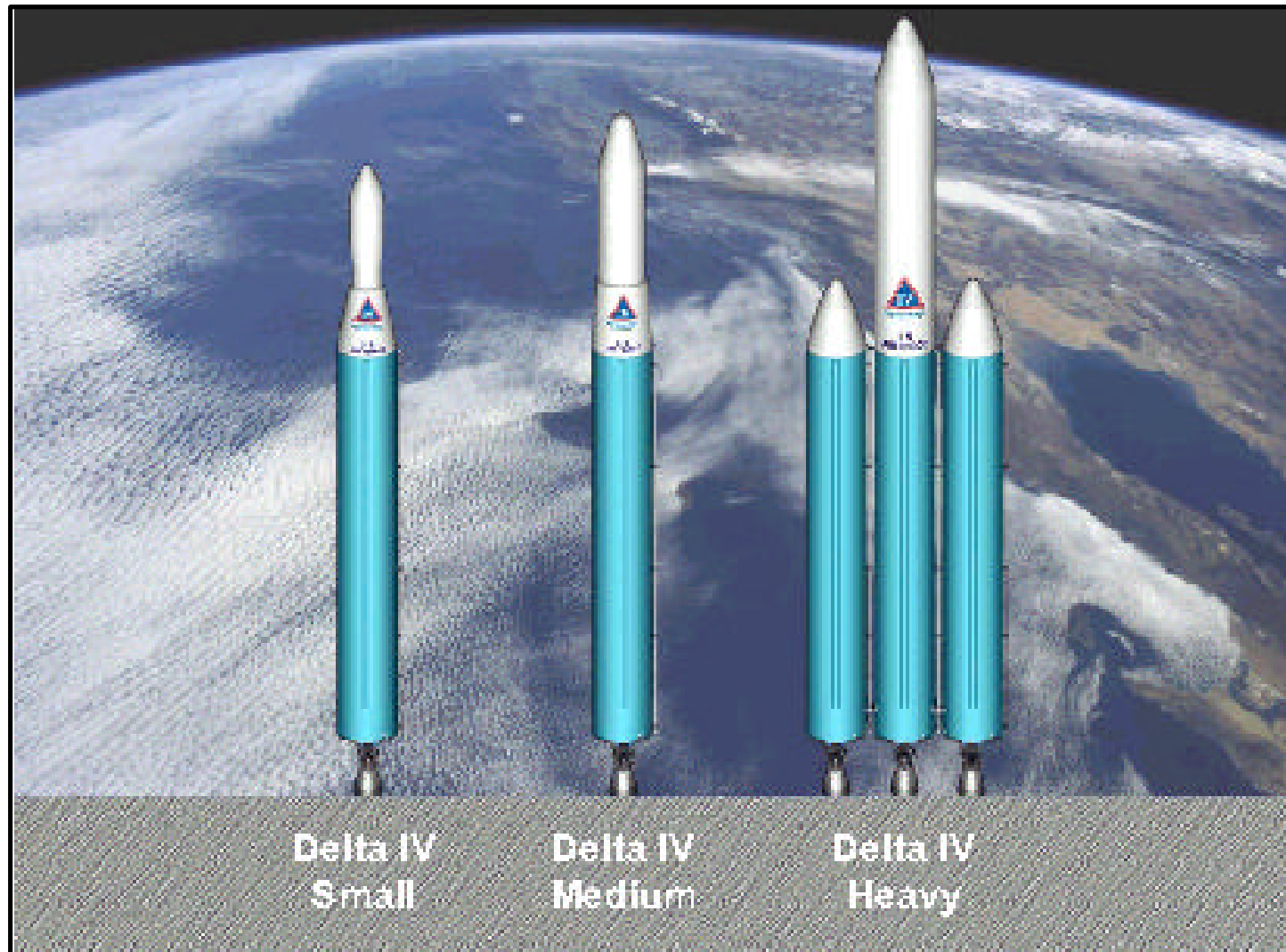


UNCLASSIFIED



EELV Contractor Concepts

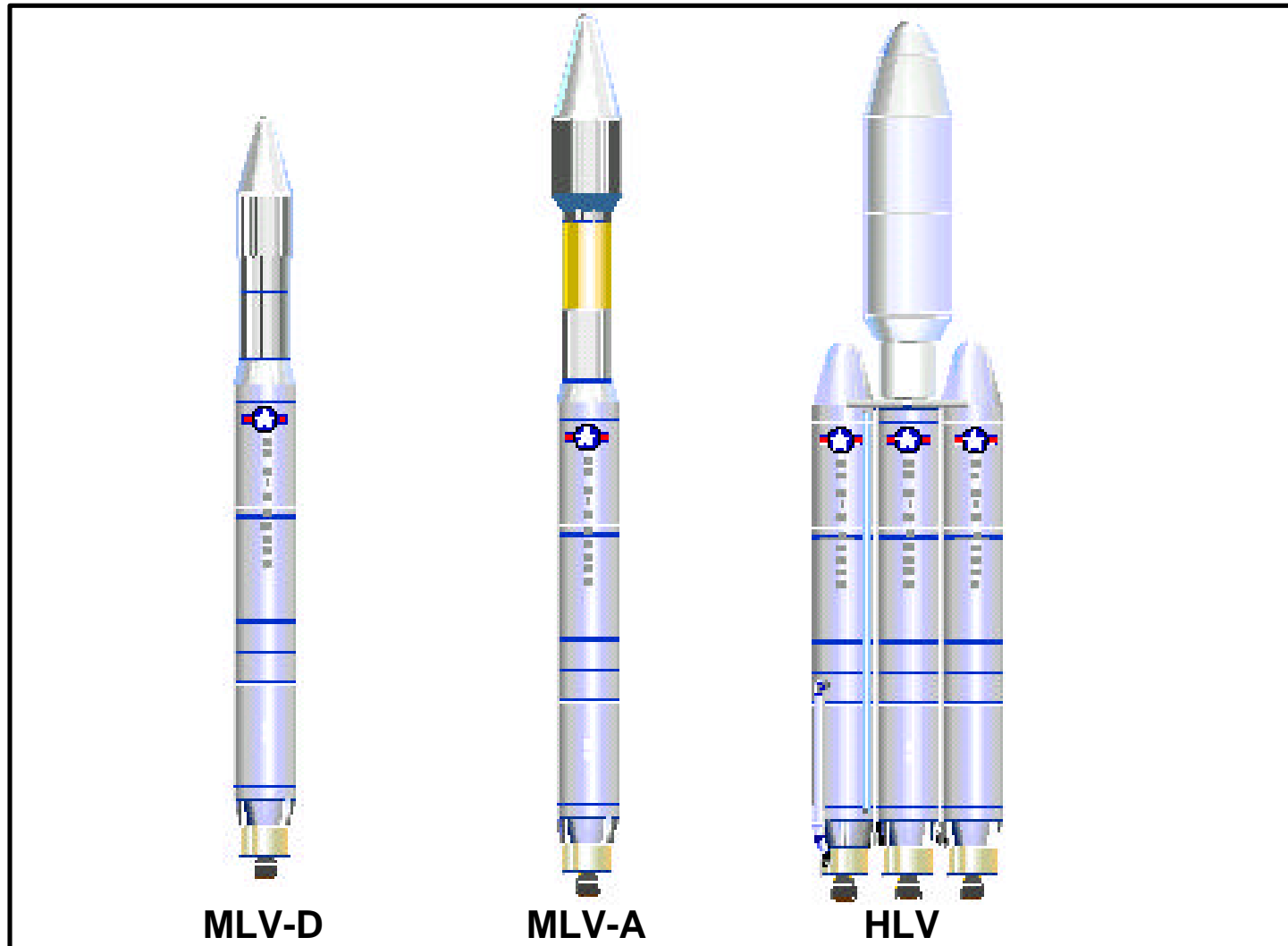
Boeing





EELV Contractor Concepts

Lockheed Martin



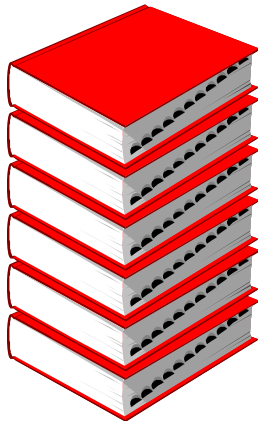


Acquisition Reform

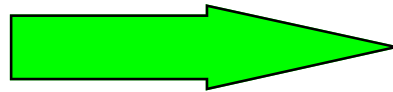
Single Acquisition Management Plan

- **Objective: Streamline effort required for acquisition strategy approval**

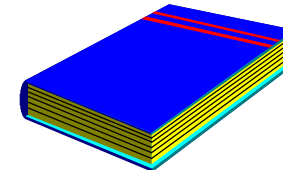
1000+ Pages



Integrated Program Assessment
Acquisition Plan
Acquisition Program Baseline
Live Fire Test and Evaluation Waiver
Integrated Logistics Support Plan
Manpower Estimate
Integrated Program Summary
Fixed Price Determination



60 Pages



SAMP

RESULT:



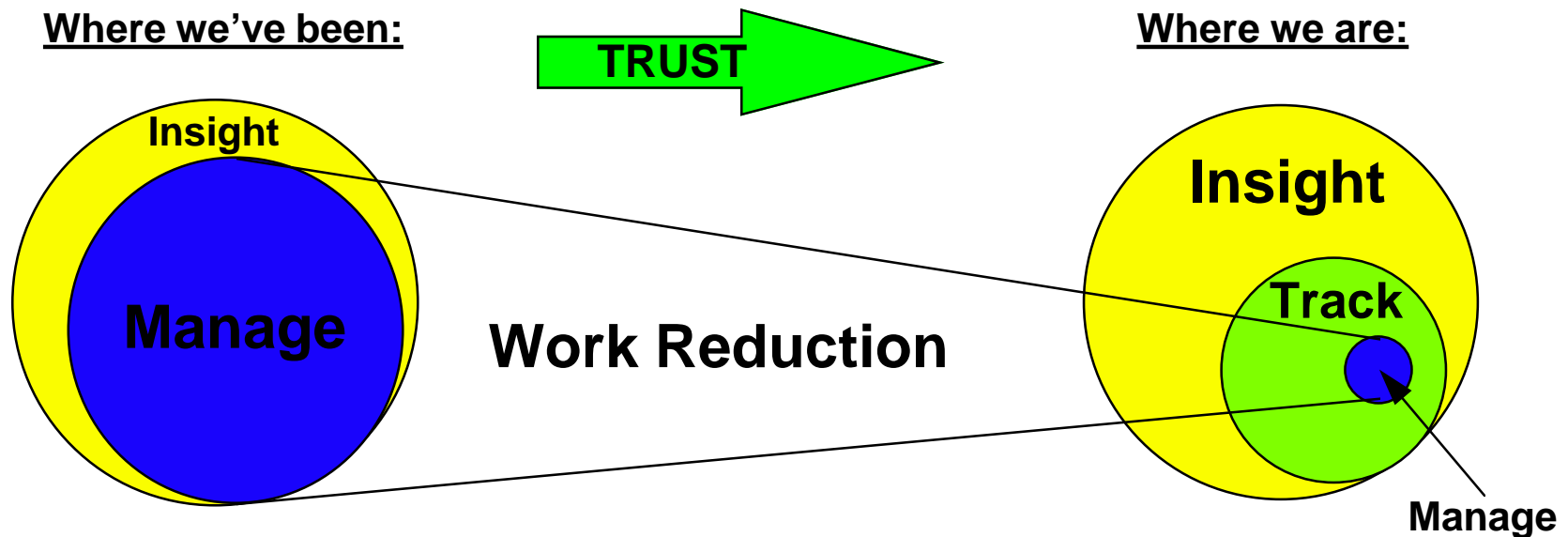
Milestone 1 Approved!



Acquisition Reform

“Lean SPO” Concept

- EELV system program office fraction of typical program office size
- Focused insight vs traditional oversight
 - Less management, more insight
 - 39 military, 12 civilians, 30 contractor (81 total)

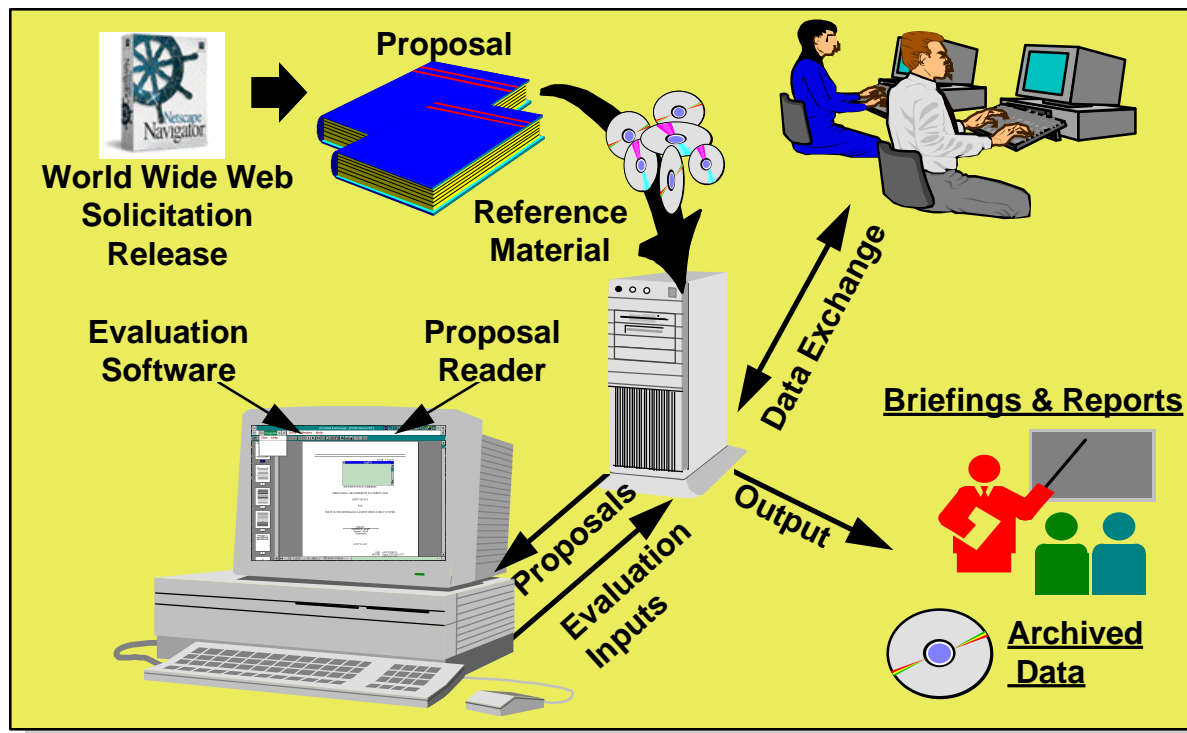




Acquisition Reform

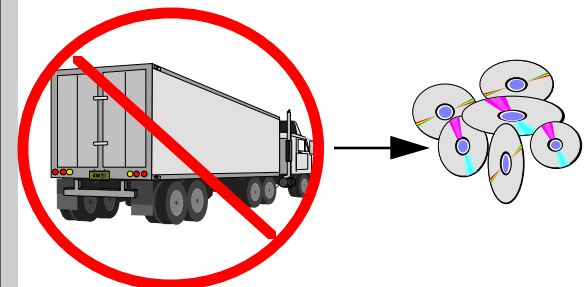
Electronic Source Selection

- Maximize information technology solutions
- No “truckloads” of paper copies
 - Source selection of this size: 2+ tons of paper



**TOTALLY ELECTRONIC
SOURCE SELECTION**

RESULT:





Acquisition Reform

CAIV

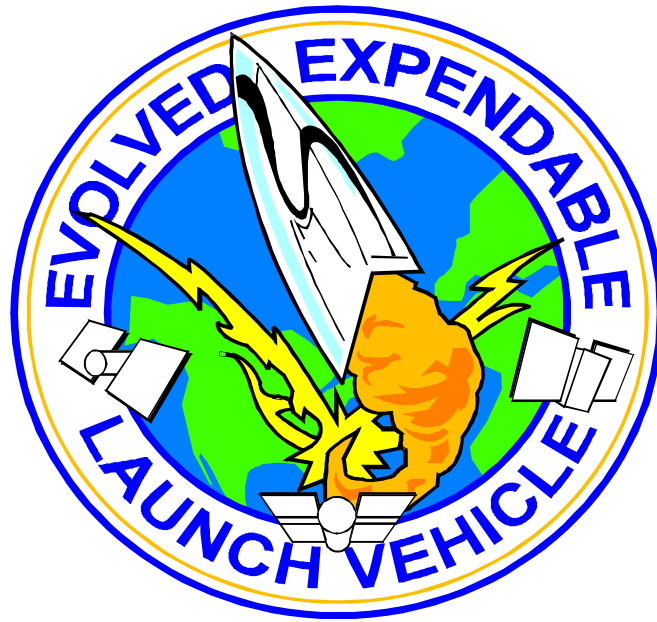
- **EELV is a Cost As an Independent Variable (CAIV) program**
- **System designs must meet key performance parameters**
 - Mass to orbit
 - Design reliability
 - Standard launch pads
 - Standard Payload Interface
- **All other requirements are tradable**

**Can trade performance for reducing cost
(Untraditional approach for launch vehicles)**



Summary

- **New EELV Acquisition Approach Provides**
 - Two contractors for long term competition
 - Significant industry investment commensurate with the growing commercial market
 - Enhanced use of commercial launch services by the DOD
 - Reduction in Government's total cost of launch through 2020 by at least 25%
- **EELV continues to lead the way in acquisition reform initiatives**
- **Program is on track!**



Affordability Through Innovation