

Presentation to the Nuclear Waste Technical Review Board



MSIS Status and Implementation

Dwight E. Shelor, Associate Director
Office of Systems and Compliance
Office of Civilian Radioactive Waste Management
U.S. Department of Energy

July 15, 1991

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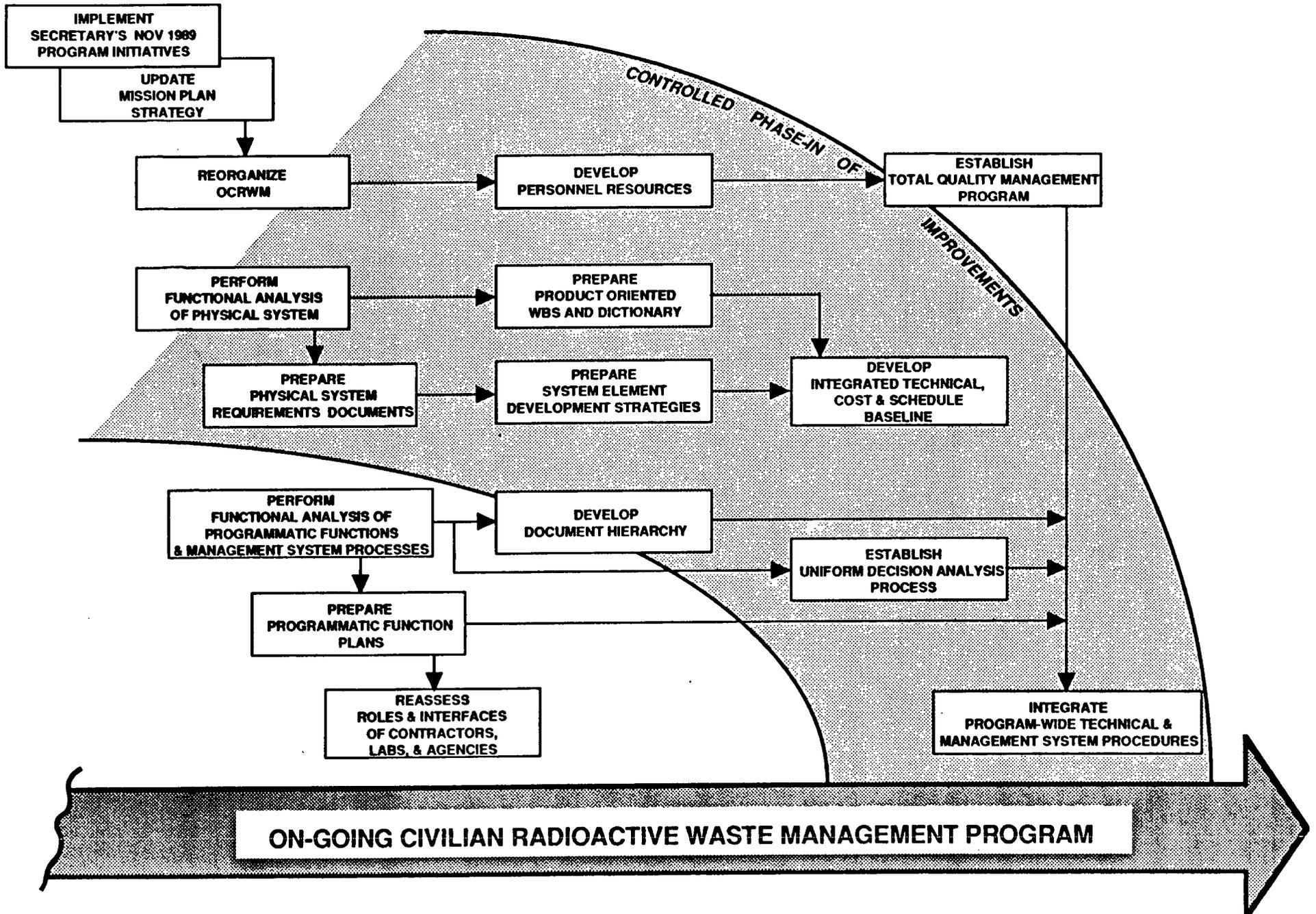
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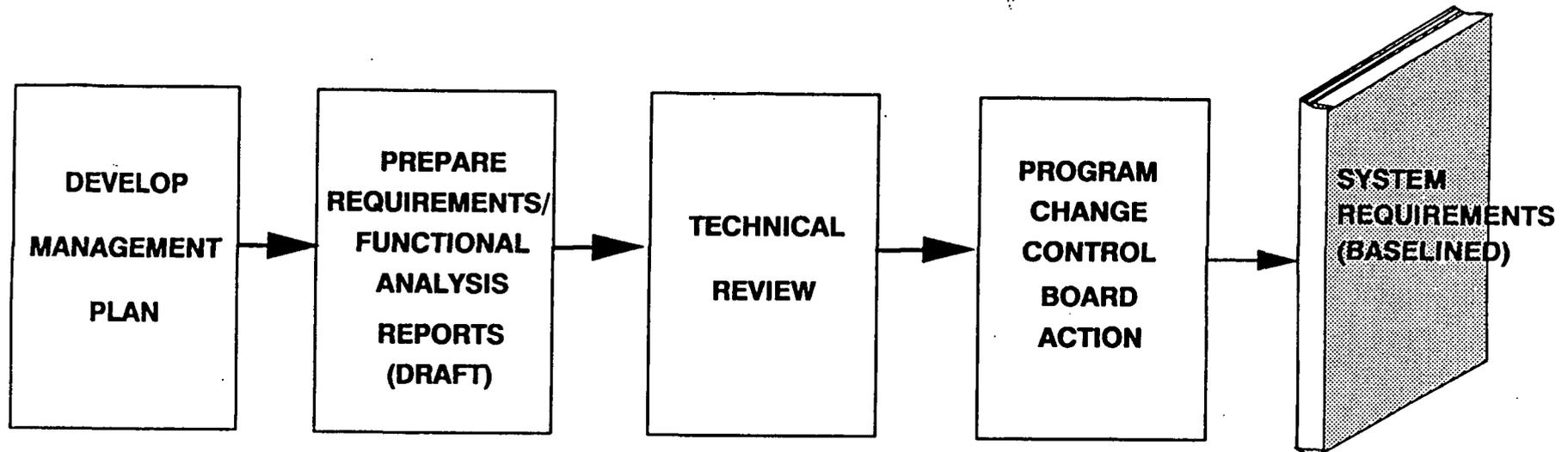
BRIEFING OBJECTIVES

- DESCRIBE THE CURRENT STATUS OF THE MANAGEMENT SYSTEM IMPROVEMENT STRATEGY (MSIS) INITIATIVES
- PROVIDE EXAMPLES OF THE PROGRAMMATIC AND PHYSICAL FUNCTIONAL ANALYSIS APPROACH AND RESULTS
- DESCRIBE THE ROLE OF THE M&O CONTRACTOR IN THE INTEGRATION AND IMPLEMENTATION OF MSIS INITIATIVES

MANAGEMENT SYSTEMS IMPROVEMENT STRATEGY IMPLEMENTATION ACTIONS



BASELINE DOCUMENT EVOLUTION

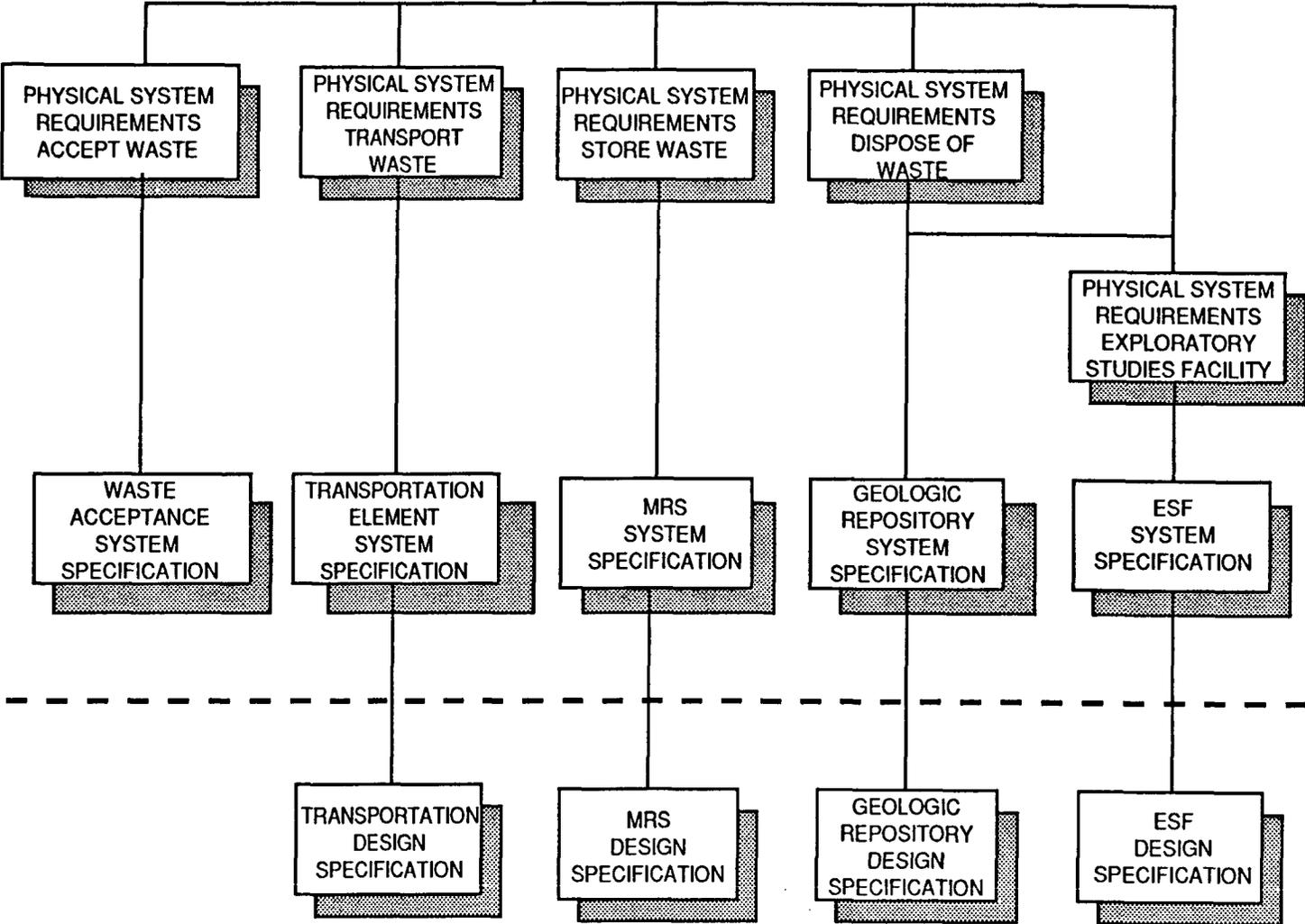


CONTENTS:

- INTRODUCTION
- FUNCTIONS & REQUIREMENTS
- ARCHITECTURE DESCRIPTION
- INTERFACES

PHYSICAL SYSTEM REQUIREMENTS

PHYSICAL SYSTEM REQUIREMENTS OVERALL SYSTEM



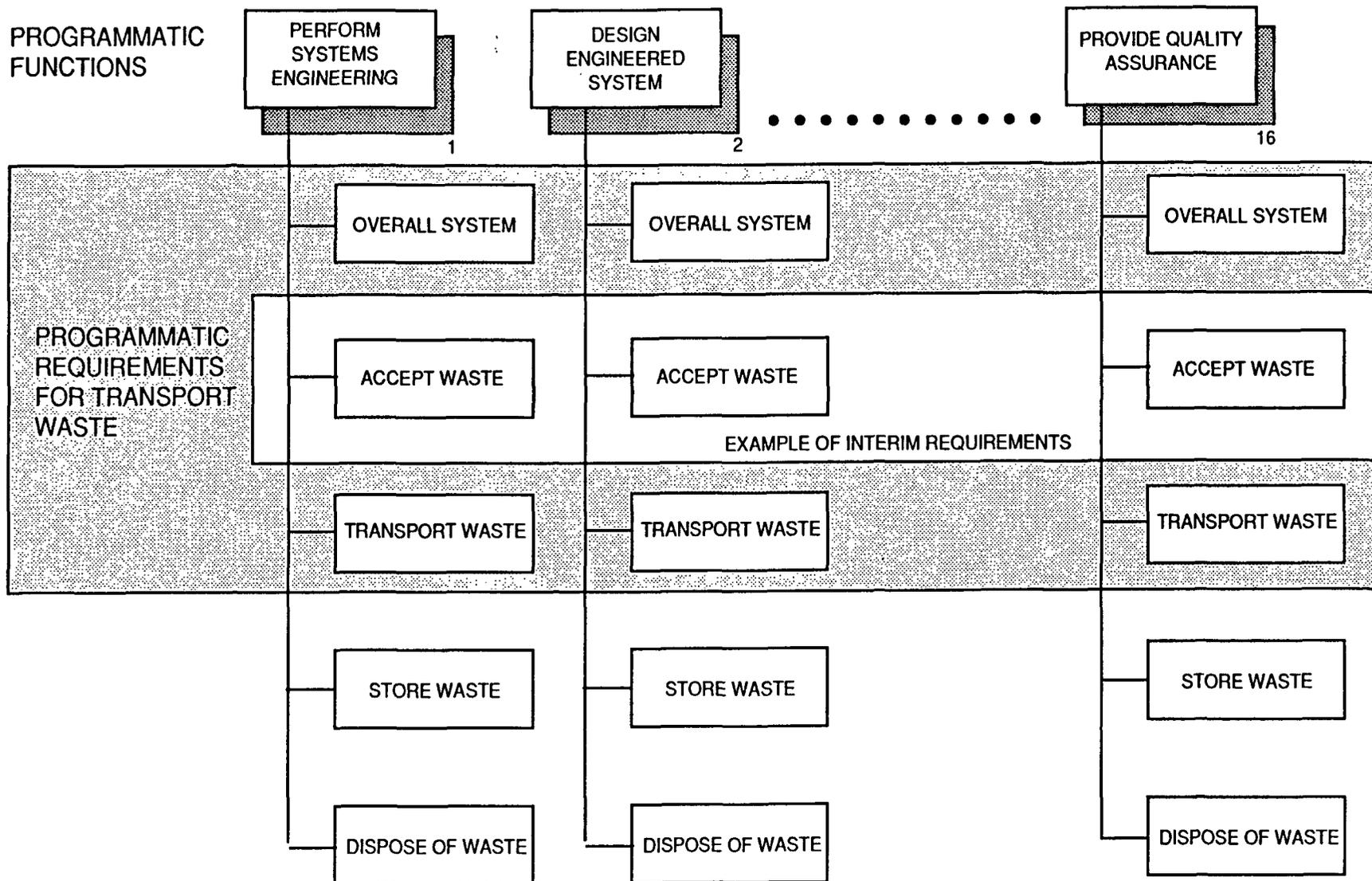
PROGRAM CONTROLLED

PROJECT CONTROLLED

Programmatic Functions

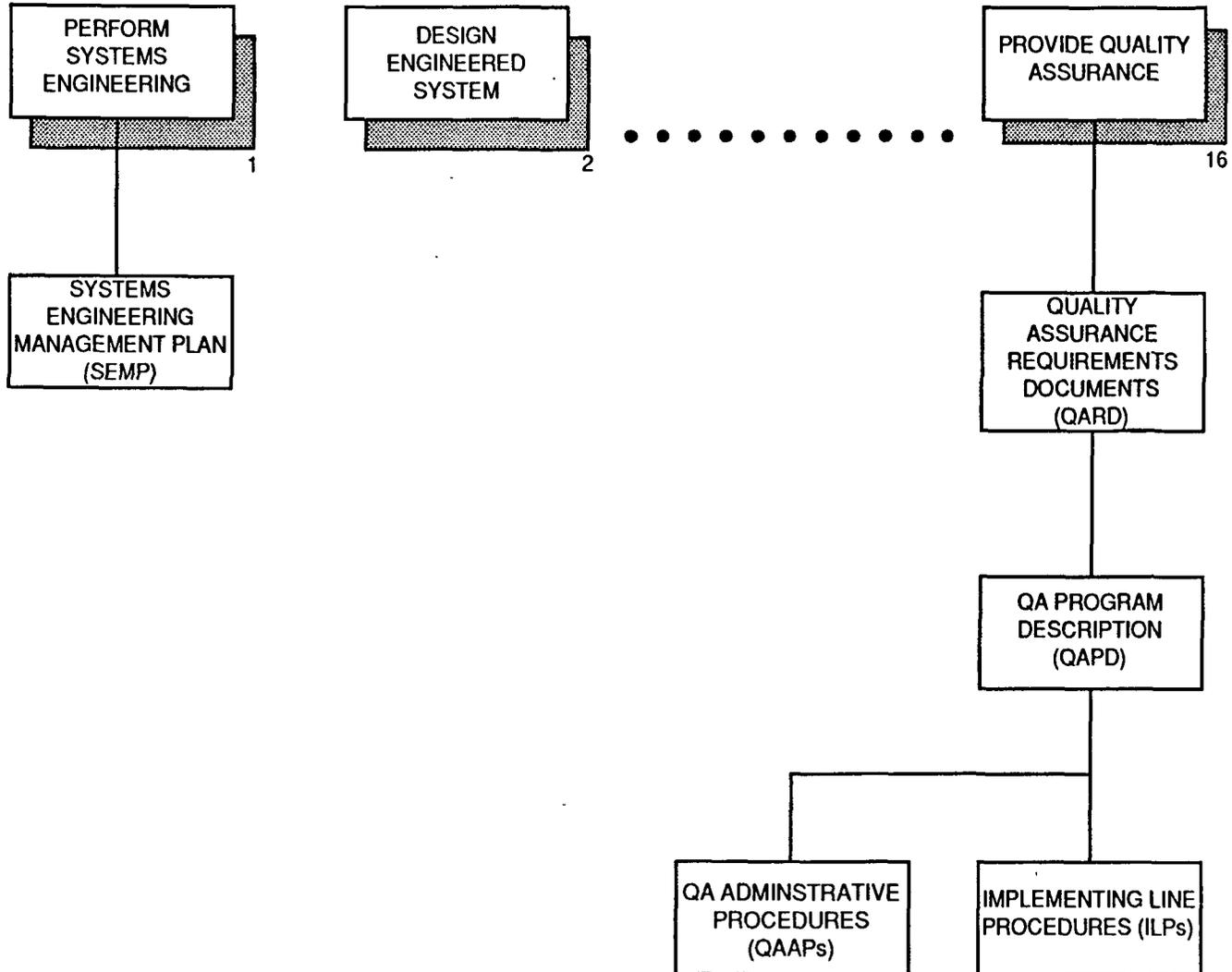
- ✓ 1. Perform systems engineering
- ✓ 2. Design engineered system
- ✓ 3. Identify and characterize sites
- ✓ 4. Evaluate integrated system
- ✓ 5. Perform confirmation/operational testing
- 6. Construct waste management system
- 7. Operate waste management system
- 8. Decommission waste management system
- ✓ 9. Ensure regulatory compliance
- 10. Provide external relations
- 11. Integrate international programs
- 12. Provide strategic and contingency planning
- 13. Provide contract business management
- 14. Provide administrative services
- ✓ 15. Provide program control
- 16. Provide quality assurance

PROGRAMMATIC REQUIREMENTS



PROGRAMMATIC REQUIREMENTS

PROGRAMMATIC
FUNCTIONS



MSIS Status and Implementation

Programmatic functional analysis and requirements

- **Gomberg, DOE**
- **T. Woods, Westinghouse - Hanford**

Physical systems functional analysis and requirements

- **W. Lemeshevsky, DOE**
- **M. Duffy, Battelle**

Integration and Implementation of functional analysis and requirements

- **F. Ridolphi, M&O**