

Presentation to the Nuclear Waste Technical Review Board

Scope and Approach of OCRWM's Programmatic Functional Analysis



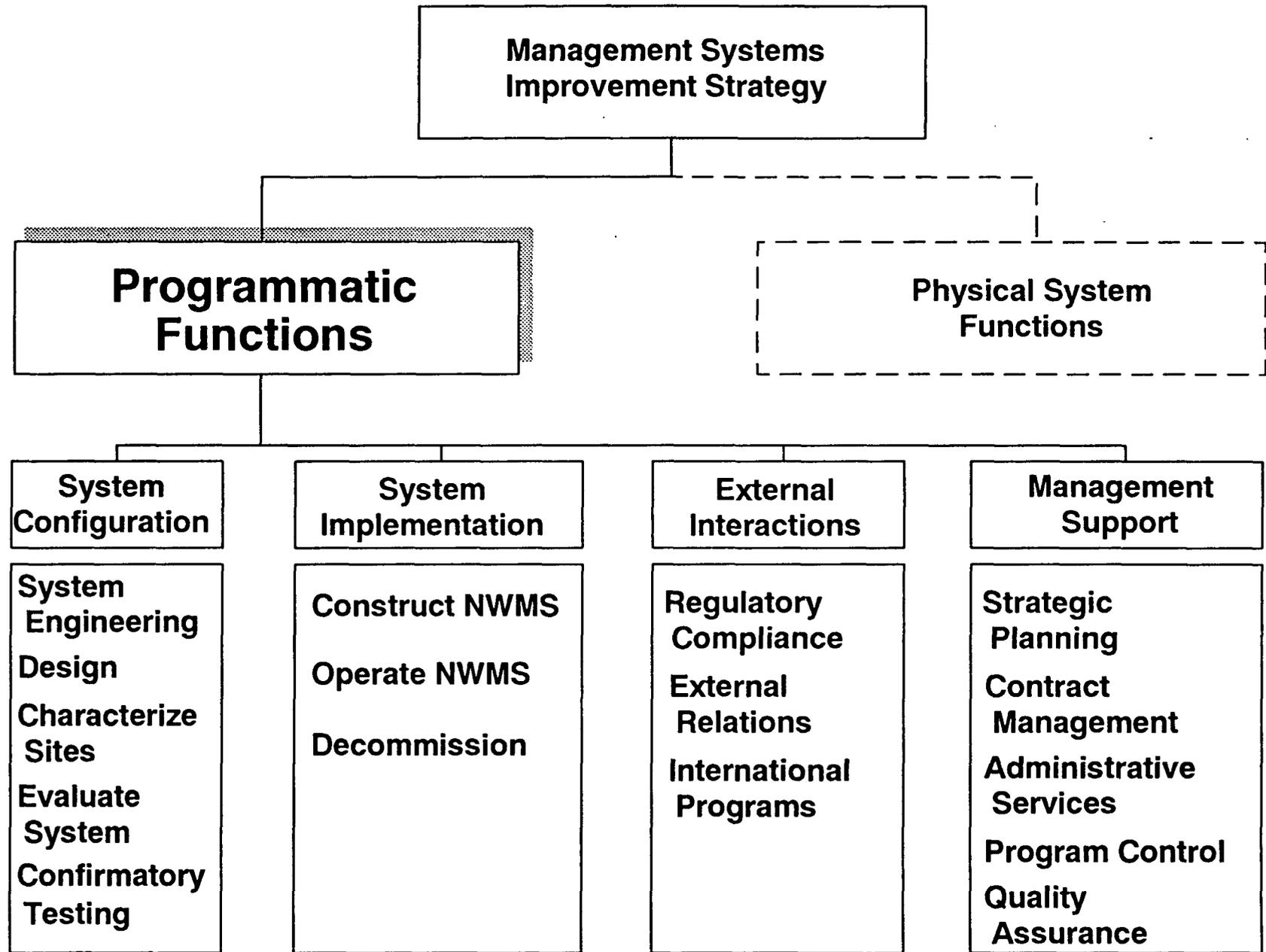
**Presented by Steven Gomberg, Acting Chief
Systems Planning and Integration Branch
July 15, 1991**

Programmatic Functional Analysis

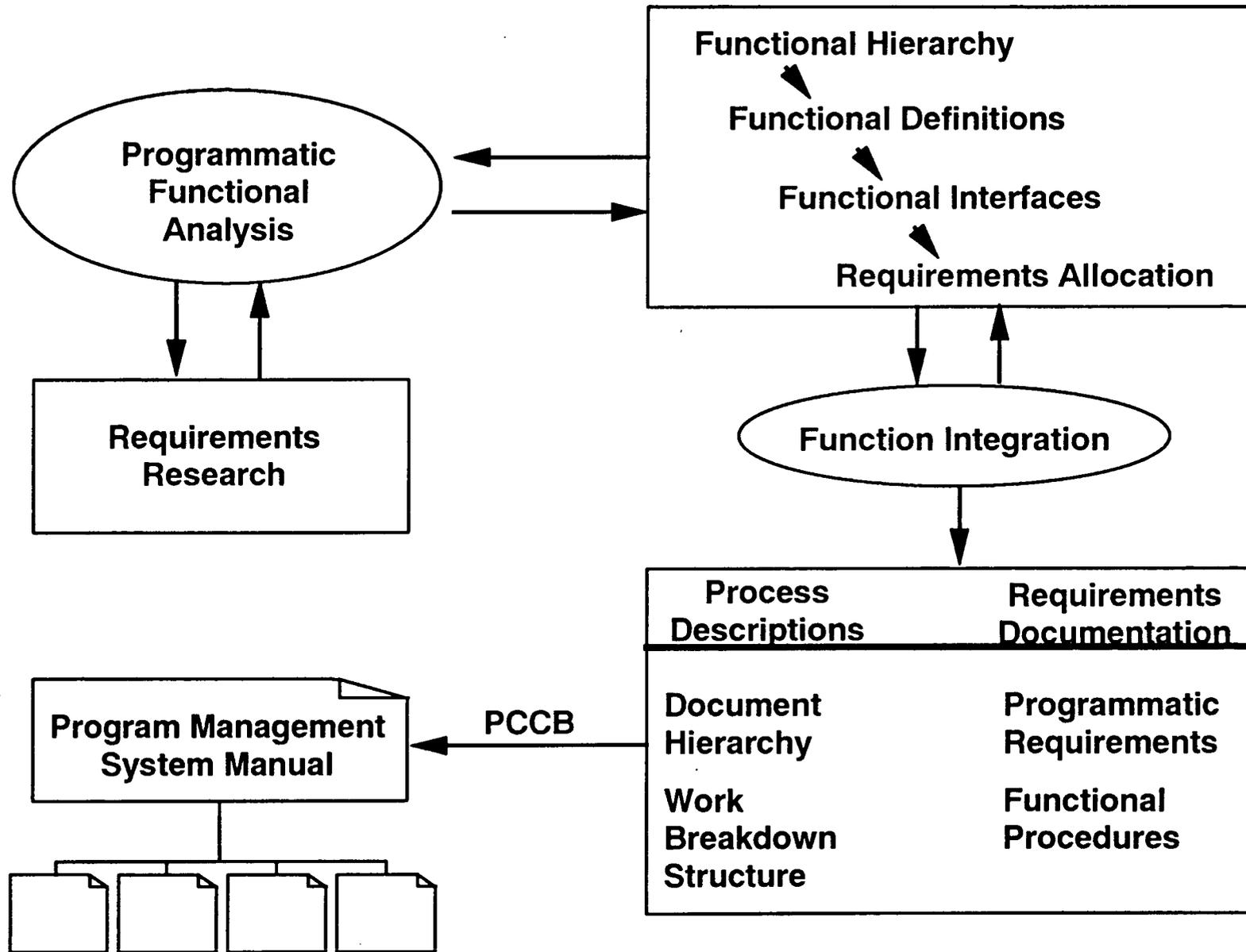
"Programmatic functions are required to bring into being the Physical elements, subsystems, and components of an operational system... reflect[ing] the unique requirements of the program"

"[OCRWM] will conduct a functional analysis to identify all programmatic functions and subfunctions, and the dependencies among them"

Management Systems Improvement Strategy, 1990



Functional Analysis Process



Programmatic Functional Analyses Conducted to Date

- **"Provide Systems Engineering"**
- **"Design Engineered System"**
- **"Identify and Characterize Sites"**
- **"Evaluate Integrated System"**
- **"Perform Confirmation/Operational Testing"**
- **"Ensure Regulatory Compliance"**
- **"Provide Program Control"**

Programmatic Functional Analyses Planned for This or Next Fiscal Year

- **"Provide Quality Assurance"**
- **"Construct/Operate/Decommission NWMS"**
- **"Provide External Relations"**
- **"Provide Strategic and Contingency Planning"**
- **"Provide Contract Business Management"**
- **"Provide Administrative Services"**

Programmatic Functional Analysis

HQ and Support Organizations

Office of Systems and Compliance

- **Systems Planning and Integration Branch is responsible for Programmatic Functional Analysis**

Task Teams

- **Functional Analysis support is provided by Westinghouse Hanford Company**
- **Requirements Research support is provided by Weston**
- **Systems Requirements Database support is provided by Westinghouse Hanford Company**

Programmatic Functional Analysis

M&O Contractor Support

During M&O Contract Start-Up Phase:

- **M&O technical experts participated or observed Functional Analysis workshops**

After M&O Contract Transition Phase:

- **M&O will direct conduct of Functional Analysis workshops by external facilitators**
- **M&O will provide all requirements research**
- **M&O will operate, maintain, and control the Systems Requirements Database**
- **M&O will generate all established deliverables**

Programmatic Functional Analysis

Participating Organizations

Participation from Program Organizations Provides:

- **Technical or program knowledge within functional areas of responsibility**
- **Expertise for reviewing functional analysis reports and other related products**
- **Assurance that procedures developed and requirements established are implemented by the appropriate "Line" Organizations**

All OCRWM Associate and Office Directors have or will provide staff and/or support contractors

Programmatic Functional Analysis

Planned Products

- 1. Program Management System Manual**
Document Hierarchy
Work Breakdown Structure
- 2. Systems Engineering Management Plan**
Other associated controls and plans
- 3. Programmatic Requirements**
Overall System Requirements
Accept Waste Requirements
Transport Waste Requirements
Store Waste Requirements
Dispose of Waste Requirements

Programmatic Functional Analysis

Final Product Development

