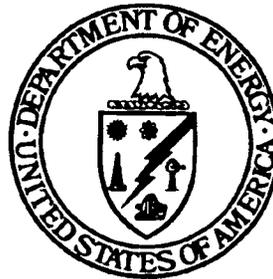


**U. S. Department of Energy
Office of Civilian Radioactive Waste Management**

**Repository Program
Convergence Activity**



**Stephan Brocoum
Director, Analysis and Verification Division
Office of Geologic Disposal
Office of Civilian Radioactive Waste Management**

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Definition from Engine of Evolution Workshop (February 24, 1992)

- **The Engine of Evolution defined as the overall convergence process of integrating, focusing, and prioritizing data collection/analysis and design activities, through iterative performance assessments and management oversight, leading to a resolution of issues and decision-making related to site suitability and licensing**
- **The Engine of Evolution process should provide an appropriate and clear basis for management decisions related to program direction and integration schedule development, allocation of resources, compliance with regulatory requirements, site suitability and recommendation, and licensing interactions**

Repository Program Convergence (Engine of Evolution)

The metaphor of Engine of Evolution addresses all the functions of the OCRWM Program. Convergence is the process of the Engine of Evolution. In the Director's Workshop on "Engine of Evolution, convergence was identified as the process of bringing together the various components of the repository program to achieve program objectives

Repository Program Convergence

(Continued)

Convergence is program integration with a focus on program objectives. It establishes the appropriate priorities and interfaces, at all program levels, to achieve the following objectives:

- **To produce a defensible site evaluation document and, if the site is suitable,**
- **To produce a defensible license application**

Convergence will bring together all major components of the repository program under an integrated management approach to minimize programmatic constraints and achieve the stated objectives

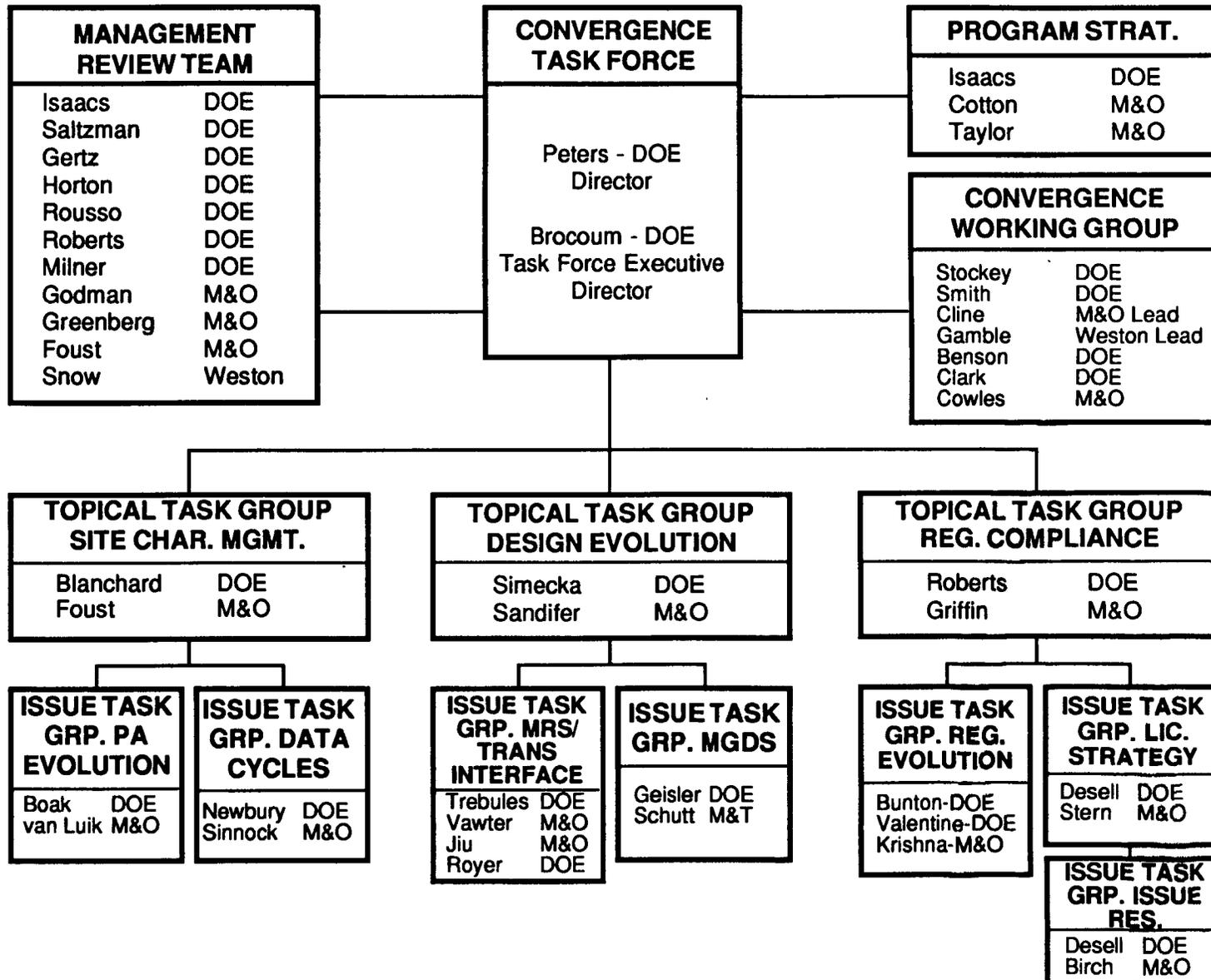
Guidance for Convergence Activity

Develop strategy and action plans to focus work on meeting repository program goals considering the following:

- **Protection and engineering integrity**
- **Implementation of appropriate QA**
- **Prioritization and integration of relevant activities**
- **Ability to accommodate change and uncertainty**
- **Logical, clear approach to foster trust and confidence**

Within this context, meet goals as early as possible and at lowest cost

Repository Program Convergence Organization



Repository Program Convergence Plan

The plan will be an overall implementation plan that will present a logical and clear approach for program convergence, integrating Topical Task Group proposals, and that will be consistent with Program Strategy Group plans. The plan will

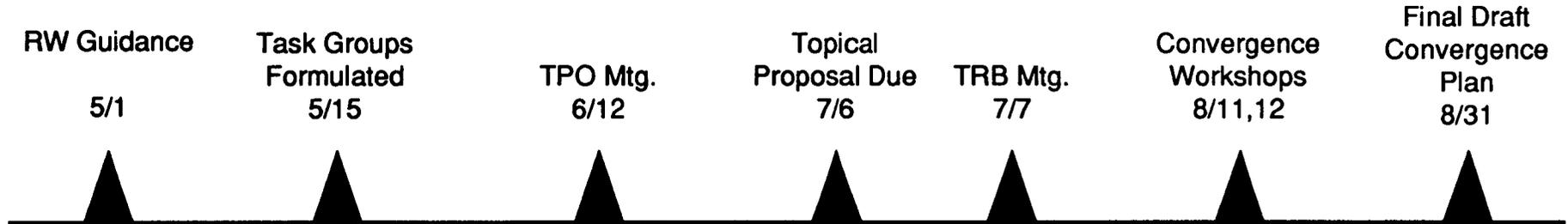
- Identify critical actions to achieve convergence**
- Identify process for evaluating alternative actions to meet technical and regulatory approaches related to program changes**
- Identify necessary documents**
- Identify responsible line managers for each decision**
- Provide an integrated management overlay, including program-level organization**

Repository Program Convergence Plan

(Continued)

- **Clarify the role of systems integration in achieving program convergence**
- **Identify program interfaces**
- **Develop a plan for external pre-decisional involvement**
- **Identify schedule and critical-path milestones**
- **Identify a process for allocating resources**

Convergence Activity Milestones



Convergence Workshops of August 11 and 12, 1992

- **August 11, 1992: Convergence workshop with Task Force and Topical Task Group members to discuss draft plan. Workshop open to affected parties**
- **August 12, 1992: Executive session to discuss finalization of the draft convergence plan with OCRWM senior management**

Task Group Proposals

Focus on developing a clearly articulated strategy and management plan that defines how the task area relates to an what actions/activities are needed to support the repository program goals

- **Identify program actions in task area necessary to achieve convergence of repository program goals, responsible management, schedule and budget implications, and triggering events for activating action/activity**
- **Develop plan for a well-defined decision-making process for beginning and ending action/activity efforts, and responsible management chain**
- **Identify QA implications of proposal action/activities**
- **Define factors that are most critical to success**

Task Group Proposals

(Continued)

- **Identify the minimum set of documents needed to support actions in task area and the roles of these documents achieving program convergence**
- **Identify areas, actions, or decisions most prone to failure to delay and what contingency planning should be considered**
- **Identify actions and issues related to program management and implementation that cannot be resolved at this time**
- **Develop interfaces with all related program elements and identify management positions responsible for interfaces**
- **Identify mechanisms for pre-decisional stake-holder involvement, documenting process, and communication process within and outside OCRWM**
- **Identify process for allocating program resources in areas of responsibility**