



The NRC's Digital Transformation

David Nelson
Chief Information Officer
Nuclear Regulatory Commission



Change is necessary. Change is here. Change is continuous.



Changes in the Energy Sector and Environmental Policy
Driving Licensee Operating Decisions



Agency Budget Pressures



Rise of Digital World driving rapid development of
technology. Opportunity to leverage emerging
technology and process methodologies.

**TRANSFORM
SERVICE DELIVERY**

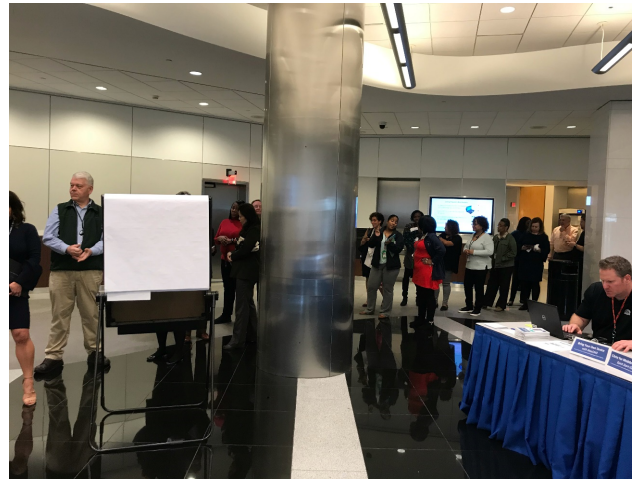
**MODERNIZE
IT & ENABLING
PLATFORMS**

**LEVERAGE
TECHNOLOGY AND
DATA TO IMPROVE
BUSINESS
PROCESSES**

Vision; Planning
for change.



Preparation and practice for Telework



Solving the Problem of Inputting and Accessing Data for Field Inspectors



Digitization - Solving the Problem of Inaccessible Data



1 UNITED STATES NUCLEAR REGULATORY COMMISSION

2 ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

3 OF THE BOARD OF

4 STATE GENERAL ELECTRIC

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Thursday,
March 10, 1968

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1717 M Street, N.W.
Washington, D.C. 20555

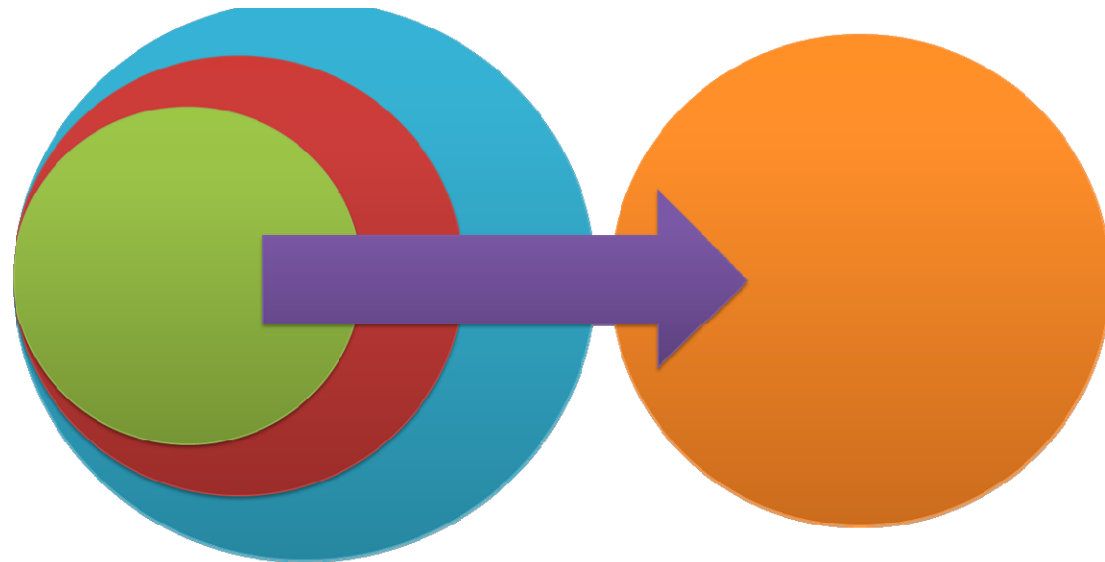
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Where do we go from here?

2021

IT Roadmap Development: Process



● Current State ● Future State Vision ● Gap Analysis ● Future State ● Roadmap

Sept. 2020

Jan. 2021

Apr. 2021

Jun. 2021



- The development of the IT Roadmap will enable the NRC to gain a collective understanding of:
 - **Current State Architecture** (Where we are: capabilities, outcomes, technologies)
 - **Future State Vision** (Where we want to be: capabilities, goals, objectives)
 - **Future State Architecture** (The architecture to achieve the future state vision)
 - **IT Roadmap** (the plan to get there)

Agency-wide Approach



Commission Support



All Offices and Programs actively participating



Diversity of views Senior Executives,
Managers, Supervisors, Project
Managers, Technical Staff,
Administrative Staff



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