



# Research Infrastructure Guide (RIG)

## Summary of Significant RIG Revisions

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### CHAPTER 1

#### INTRODUCTION

- A framework for making the RIG award instrument neutral will be established.
- The term ‘project’ will specifically refer to the Construction Stage; consistent terms for other stages will be included.
- Applicable Legislation and NSF Policy, Buy America, Build America (BABA) content will be added to align with government practices.

### CHAPTER 2

#### NSF LIFE CYCLE OVERSIGHT

- Each life cycle stage will have its own oversight section.
- Divestment Stage will be changed to *Disposition Stage*.
- *Recapitalization mechanism* guidance will be added.
- *Mid-scale Research Infrastructure Guidance* will be revised revised (eliminating current Chapter 5) to clarify and differentiate guidance from Major Facilities.

### CHAPTER 3

#### RESEARCH INFRASTRUCTURE LIFE CYCLE PLANNING

- *Tailoring, Scaling, and Progressively Elaborating Plans* will be added to provide context to overall planning.
- *Design Stage Planning* will contain the guidance for a Design Execution Plan.
- *Construction Stage Planning Project Execution Plan (PEP)* guidance will be enhanced and include ten components required for both Mid-scale RI and Major Facility projects.
- *Operations Stage Planning* will contain improved guidance on the Annual Work Plan and Facility Condition Assessment of a Major Facility.

### CHAPTER 4

#### FUNDAMENTAL ELEMENTS OF PROJECT MANAGEMENT

- Additional guidance on methods for monitoring *Progress Against Plan* will be added.
- *Risk Management* will be streamlined, provide clarity, and applicable to all life cycle stage.
- *Contingency Estimating and Management* will be moved into a separate section.

### CHAPTER 5

#### SUPPLEMENTAL GUIDANCE

- *Cyberinfrastructure and Information Assurance* (formerly Cybersecurity) will be individual sections.
- New guidance on Cyberinfrastructure Plans and Information Assurance Management Plan for new Major Facilities and Mid-scale RI will be provided.
- *Environmental Considerations* will contain information on the Disposition Stage.
- *Agile Guidance* will be added to provide EVMS guidance for NSF awards.

### CHAPTER 6 - REFERENCES

### CHAPTER 7 - LIST OF ACRONYMS

### CHAPTER 8 - LEXICON

### CHAPTER 9 – APPENDICES

- No significant changes.

