

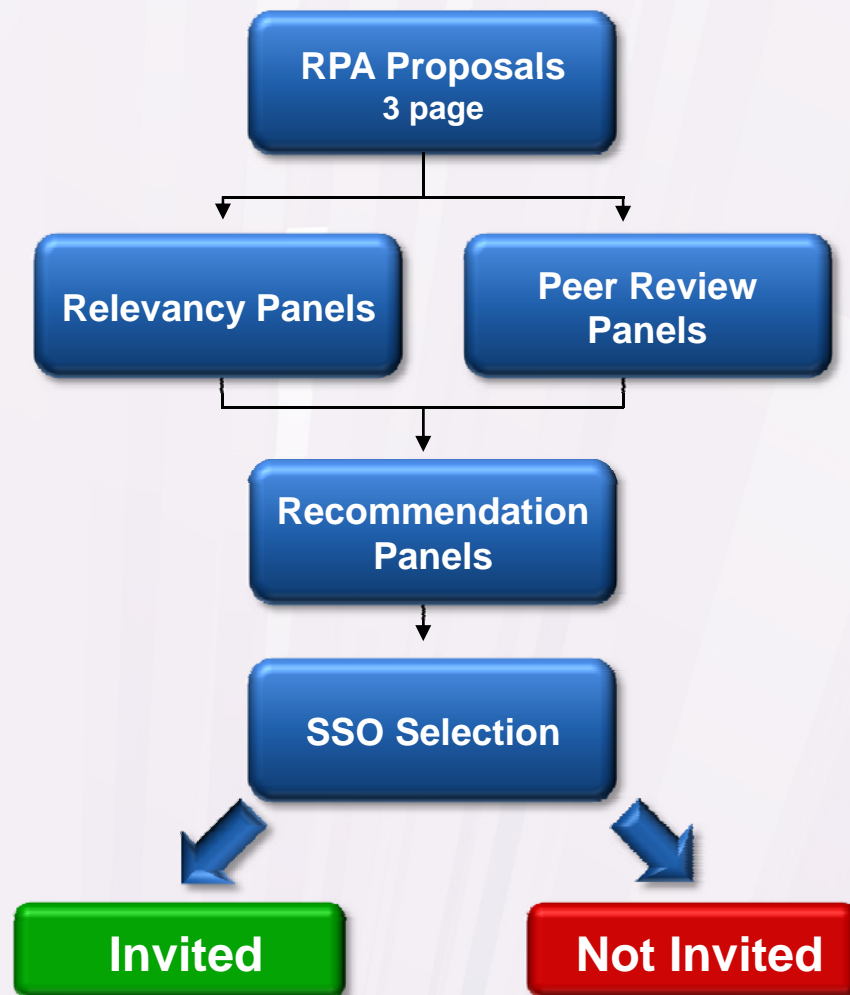
# Nuclear Energy University Programs

## FY2011 Review Process





# FY2011 NEUP Review Process



**RPA 3 Pagers:** Submission of three page proposals by university respondents

**Relevancy Panels:** Composed of two Federally selected reviewers representing technical areas

**Peer Review Panels:** Composed of Federally selected University or Laboratory technical peers

**Recommendation Panels:** Composed of Federal Directors and their selected advisors

**SSO Selection:** Presentation of recommendations by NEUP to the SSO

**Invited:** Proposals selected by the SSO to submit a full proposal

**Not Invited:** Proposals not selected by the SSO to submit a full proposal (may submit a full proposal, however, there is no guarantee that a full peer review will be performed)



# *FY2011 RPA Review Process*

## **3 Page Pre-Proposals**

Program “Bin” selected by submitting PI as part of the RPA process

### **FCR&D**

Technical Areas: Separations and Waste Forms, Advanced Fuels, Transmutation R&D, MPACT, Used Nuclear Fuel Disposition, and Mission Supporting

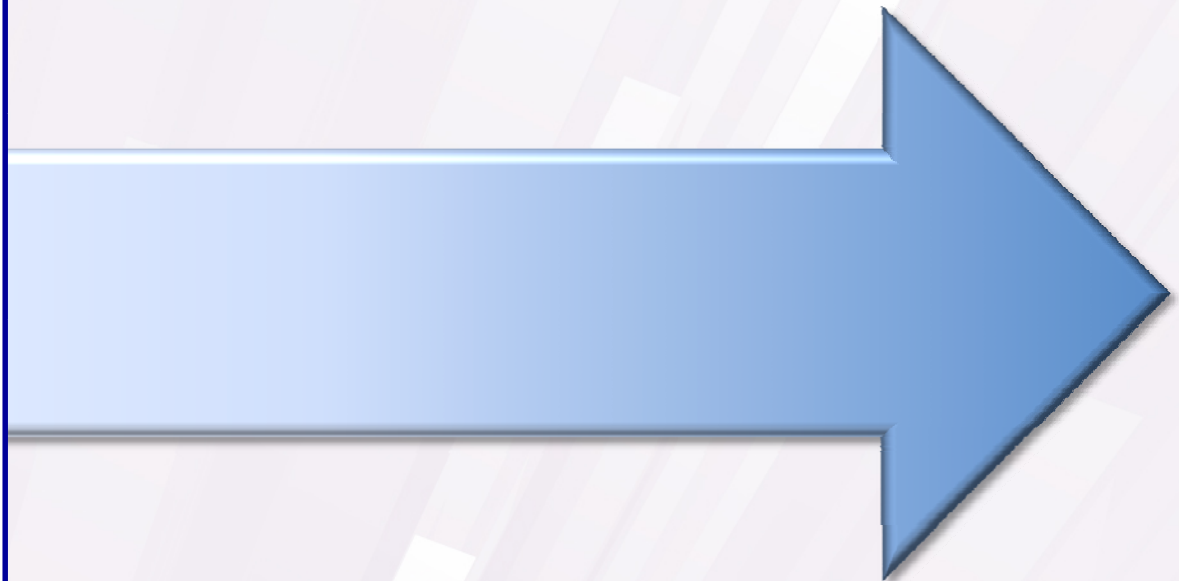
### **RC**

Technical Areas: Small Modular Reactors, NGNP, LWRS, Advanced Reactor Concepts, and Mission Supporting

### **NEAMS**

Technical Areas: Advanced Modeling and Simulation

### **NEET**





# FY2011 RPA Review Process

3 Page Pre-Proposals

Program "Bin" set  
as part of the RPA

**FCR&D**

Technical Areas:  
Forms, Advanced  
R&D, MPACT, and  
Disposition, and

**RC**

Technical Areas:  
Reactors, NGN  
Reactor Concepts  
Supporting

**NEAMS**

Technical Areas:  
Simulation

**NEET**

## Relevancy Panels

- Two panelists

Evaluation:

- (3) Highly Relevant
- (2) Relevant
- (1) Low Relevance
- (0) Not Relevant

## Technical Panels

- Three Peers

Evaluation:

- (3) High Merit
- (2) Moderate Merit
- (1) Low Merit
- (0) No Merit





# FY2011 RPA Review Process

## 3 Page Pre-Proposals

Program "Bin" set as part of the RPA

### FCR&D

Technical Areas: Forms, Advanced R&D, MPACT, and Disposition, and

### RC

Technical Areas: Reactors, NGN Reactor Concepts Supporting

### NEAMS

Technical Areas: Simulation

### NEET

## Relevancy Panel

Evaluation:

- (3) Highly Relevant
- (2) Relevant
- (1) Low Relevant
- (0) Not Relevant

## Technical Panel

• Three Peers

Evaluation:

- (3) High Merit
- (2) Moderate Merit
- (1) Low Merit
- (0) No Merit

## Weighting & Scoring

- Evaluation terms are numerically converted

Relevancy	Technical
(3) Highly Relevant	(3) High Merit
(2) Relevant	(2) Moderate Merit
(1) Low Relevance	(1) Low Merit
(0) Not Relevant	(0) No Merit

- Scores are weighted and added:  
Program Supporting 35:65  
Mission Supporting 20:80

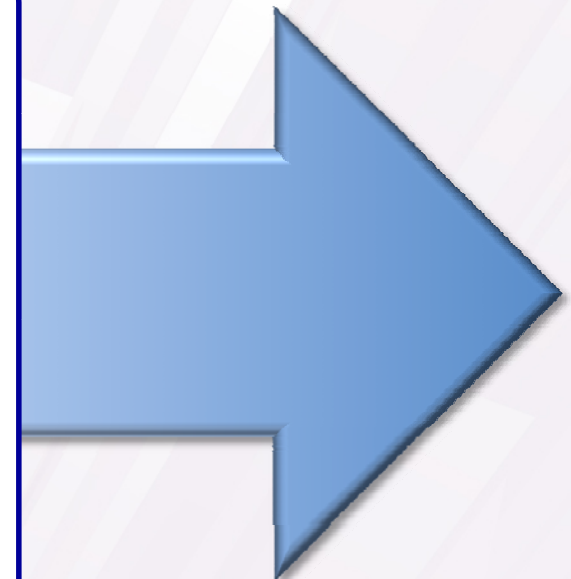
### Example

A *Program Supporting* proposal is evaluated as Relevant, with High Merit:

$$2(.35) + 3(.65) = 2.65$$

A proposal in the same group is evaluated as Highly Relevant with High Merit:

$$3(.35) + 3(.65) = 3.00$$







# Evaluation Criteria: Program vs Mission Supporting

## Program Supporting

- Scientific/Technical Merit (65%)
  - ✓ Advances the state of knowledge in the selected program workscope
    - Practicality of scope with respect to the *program workscope*
    - Practicality of scope with respect to requested funding and period of performance
    - Logical path to work accomplishment; Ability of team to perform work
- Relevancy (35%)
  - ✓ Aligned with, and directly relevant to, program objectives.
    - Submission should define and describe the significance of the proposal to the needs described by program workscopes.

## Mission Supporting

- Scientific/Technical Merit (80%)
  - ✓ Advances the state of knowledge in an area supporting the overall NE mission
    - Practicality of scope with respect to *NE's mission*
    - Practicality of scope with respect to requested funding and period of performance
    - Logical path to work accomplishment; Ability of team to perform work
- Relevancy (20%)
  - ✓ Aligned with, and directly relevant to, NE mission.
    - Submissions should sufficiently capture a clear and supportive connection to the NE mission.



# FY2011 RPA Review Process

## 3 Page Pre-Proposals

Program "Bin" set as part of the RPA process

**FCR&D**

Technical Areas: Fuel Cycle, Reactor, and Advanced Reactors, MPACT, and Disposition, and

## Relevancy Panel

Evaluation:

- (3) Highly Relevant
- (2) Relevant
- (1) Low Relevance
- (0) Not Relevant

## Weighting & Scoring

- Evaluation terms are numerically converted

Relevancy	Technical
(3) Highly Relevant	(3) High Merit
(2) Relevant	(2) Moderate Merit
(1) Low Relevance	(1) Low Merit
(0) Not Relevant	(0) No Merit

- Scores are weighted by Program Mission

### Recommendation Panels (3) Federal Directors / Technical Liaisons

**FCR&D**

**RC**

**NEET**

## Example

A Program Bin is evaluated as Relevant, with High Merit:  
 $2(.35) + 3(.65) = 2.65$

A proposal in the same group is evaluated as Highly Relevant with High Merit:  
 $3(.35) + 3(.65) = 3.00$

## Technical Panel

- Three Peers

Evaluation:

- (3) High Merit
- (2) Moderate Merit
- (1) Low Merit
- (0) No Merit

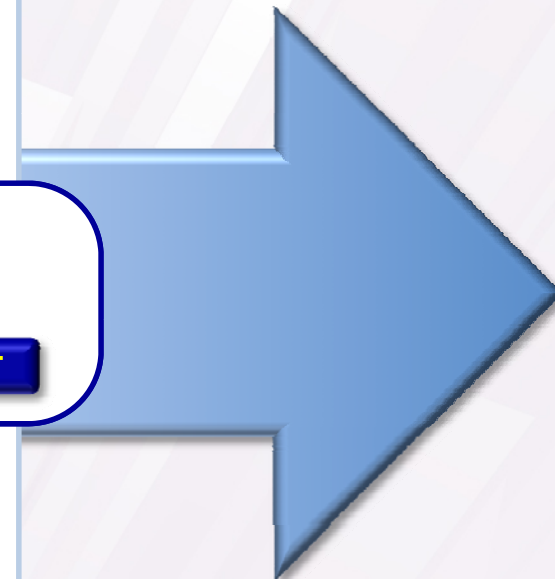
**RC**

Technical Areas: Reactors, Nuclear Energy Research Reactor Concepts, and Supporting

**NEAMS**

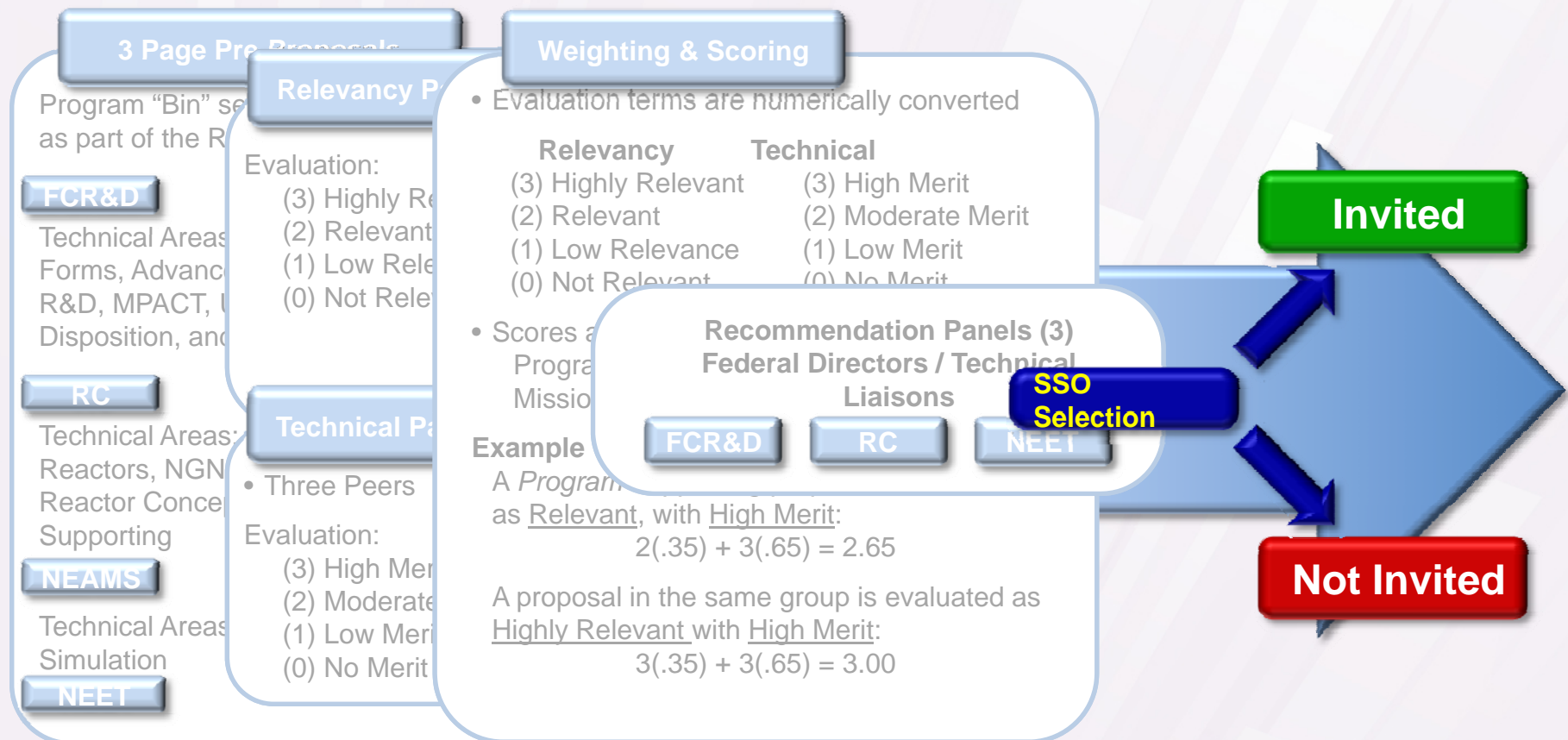
Technical Areas: Simulation

**NEET**





# FY2011 RPA Review Process



**FCR&D**

**RC**

**NEAMS**

**NEET**





# FY2011 RFP Review Process



**Invited Relevancy Review:** Relevancy review of all invited proposals by two federally selected relevancy reviewers

- All proposals are passed forward for full peer review

**Not Invited Relevancy Review:** Relevancy review of “not invited” proposals by federally selected relevancy reviewers will be performed

- Only those Program Supporting proposals that are “Highly Relevant” may be passed forward for full peer review
- Only those Mission Supporting proposals that are scored “Relevant” may be passed forward for full peer review

**Peer Review:** Full technical review by a 3 member panel of peers (“Not Invited” proposals as requested by NE program management)

**Recommendation Panels:** Composed of Federal Directors and their selected advisors

**SSO Selection:** Proposals selected by the SSO for funding



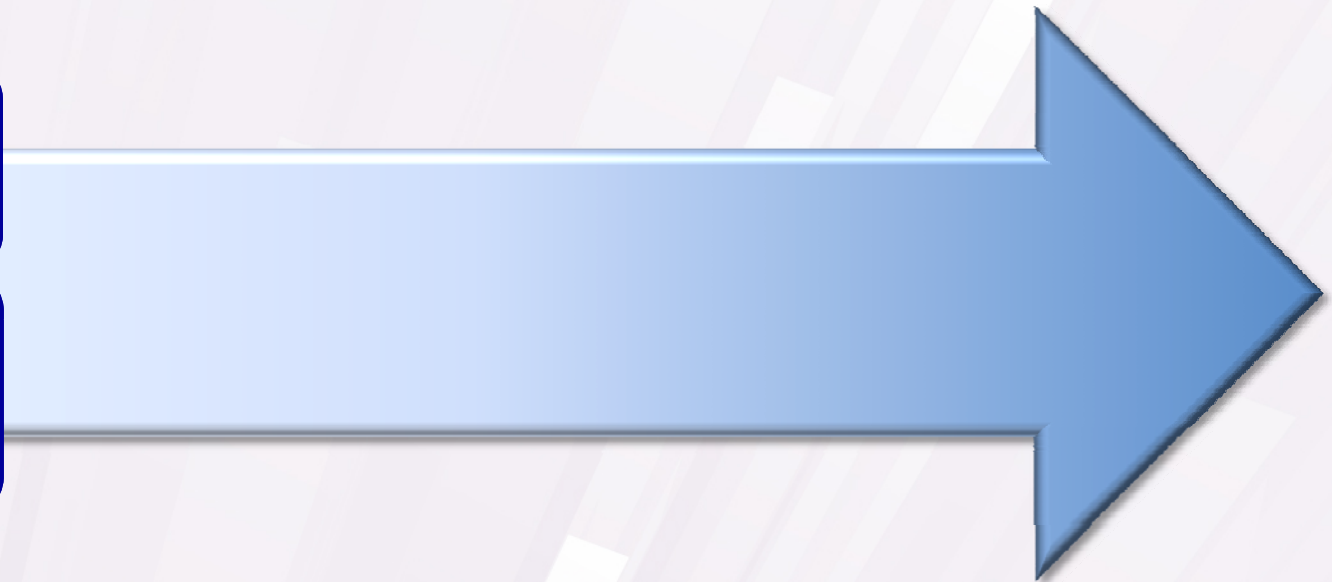
# *FY2011 RFP Review Process*

## **Invited**

- 10 page proposal submitted as invited by the SS0

## **Not Invited**

- 10 page proposal submitted by individuals wanting to submit a proposal at their own risk (no guarantee of peer review)





# FY2011 RFP Review Process

## Technical Review of Invited Proposals

- Proposals are scored by individual reviewers:

### Peer Review

S&T Merit  
Research Plan  
Capabilities  
Team  
Minority Bonus

## Relevancy Review of Invited Proposals

- Proposals are scored by individual reviewers:

### Relevancy

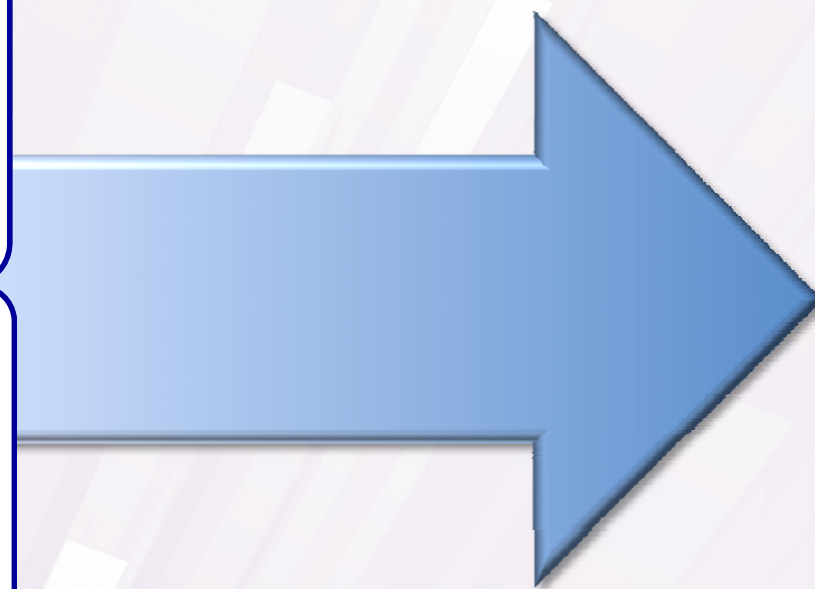
High Relevant  
Relevant  
Low Relevant  
Not Relevant

### Invited

- 10 page proposal as invited by

### Not Invited

- 10 page proposal by individual submit a proposal though they are "encouraged"





# FY2011 RFP Review Process

## Technical Review of Invited Proposals

- Proposals are scored by individual reviewers:

### Peer Review

S&T Merit  
Research  
Capability  
Team  
Minority

## Relevancy Review of Not Invited Proposals

- Proposals are scored by individual reviewers:

### Relevancy

High Relevant  
Relevant  
Low Relevant  
Not Relevant

- Program Supporting proposals evaluated as "High Relevant" are passed forward by request of NE program management
- Mission Supporting proposals evaluated as "Relevant" or higher are passed forward by request of NE program management

### Invited

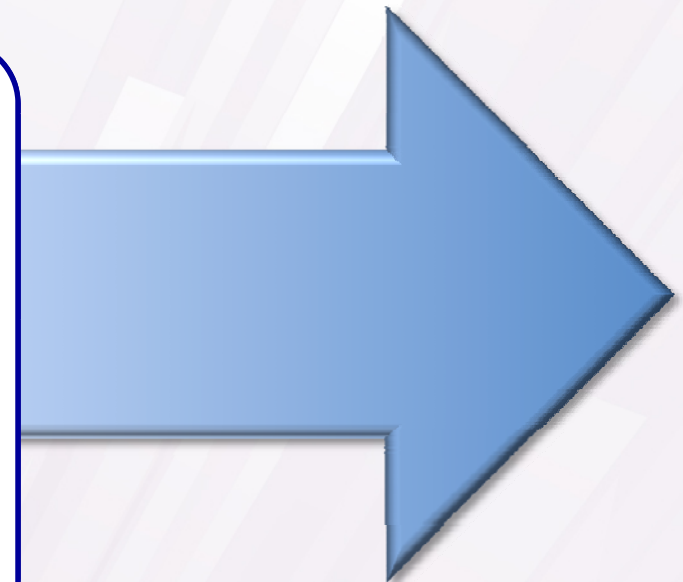
- 10 page proposal as invited by

### Not Invited

- 10 page proposal by individual submit a proposal though they are "encouraged"

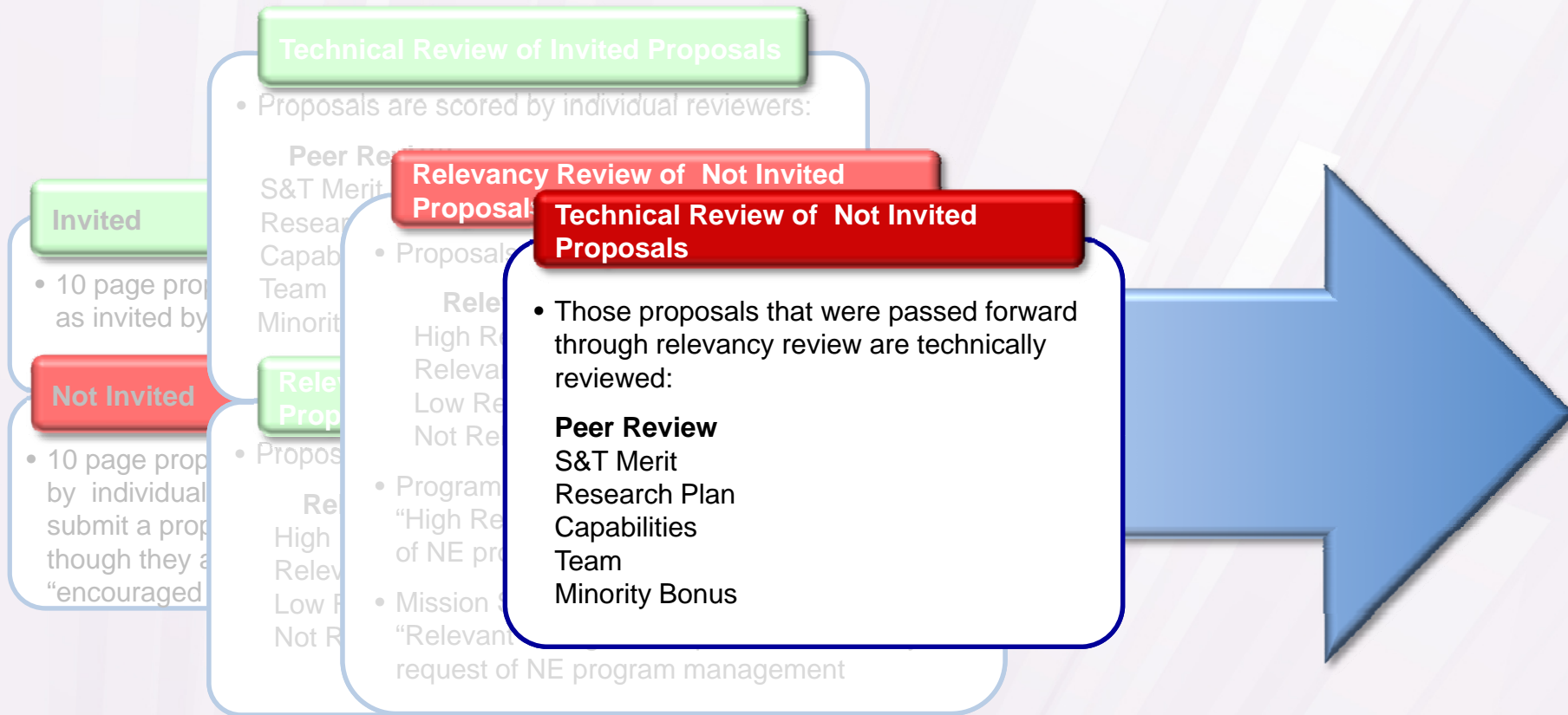
### Relevancy Proposals

- Proposals
- Relevant
- High Relevant
- Low Relevant
- Not Relevant





# FY2011 RFP Review Process



**Invited**

- 10 page proposals as invited by

**Not Invited**

- 10 page proposals by individuals submit a proposal though they are "encouraged"

**Technical Review of Invited Proposals**

- Proposals are scored by individual reviewers:

**Peer Review**  
S&T Merit  
Research Plan  
Capabilities  
Team  
Minority Bonus

**Relevancy Review of Not Invited Proposals**

- Proposals

**Relevant**  
High Relevant  
Low Relevant  
Not Relevant

**Proposed**

- Proposals

**Relevant**  
High Relevant  
Low Relevant  
Not Relevant

**Technical Review of Not Invited Proposals**

- Those proposals that were passed forward through relevancy review are technically reviewed:

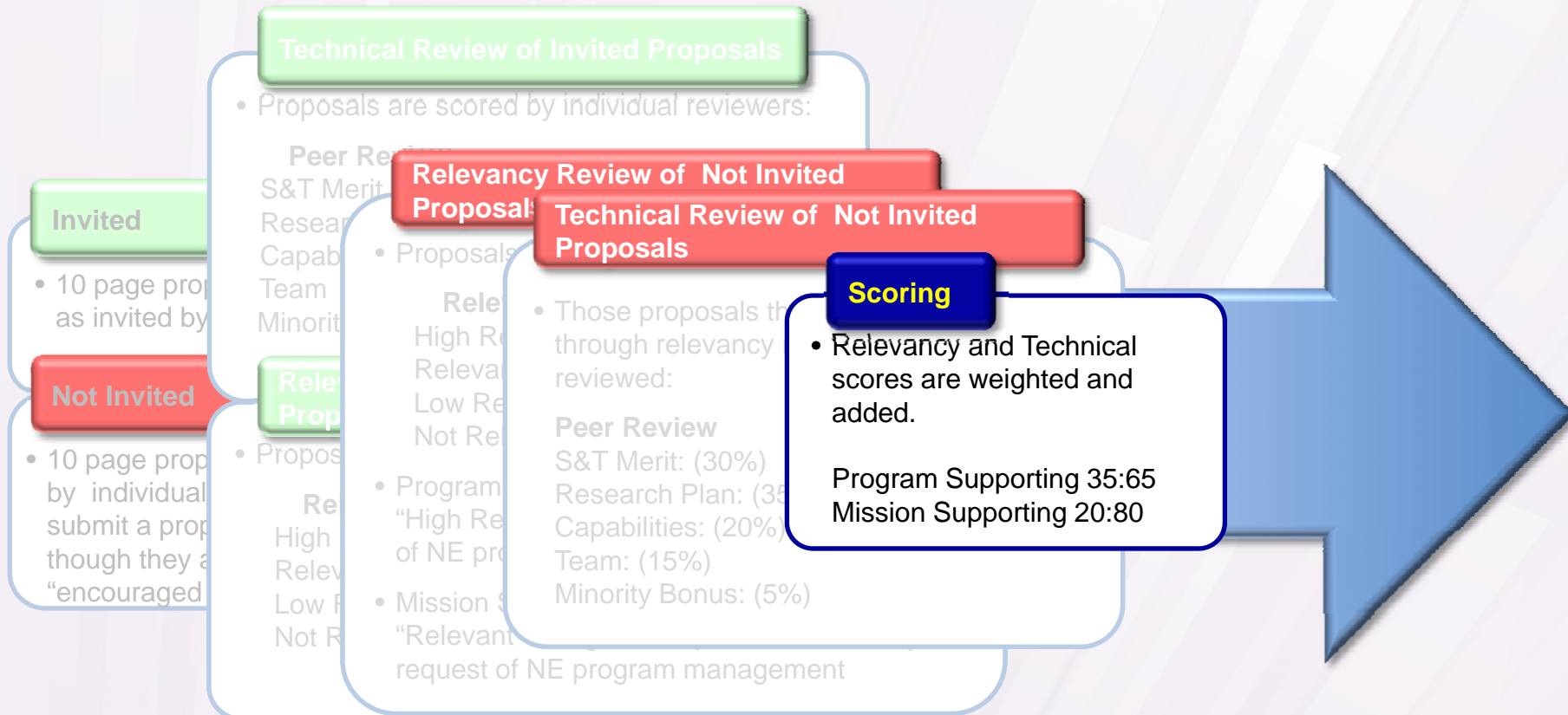
**Peer Review**  
S&T Merit  
Research Plan  
Capabilities  
Team  
Minority Bonus

request of NE program management



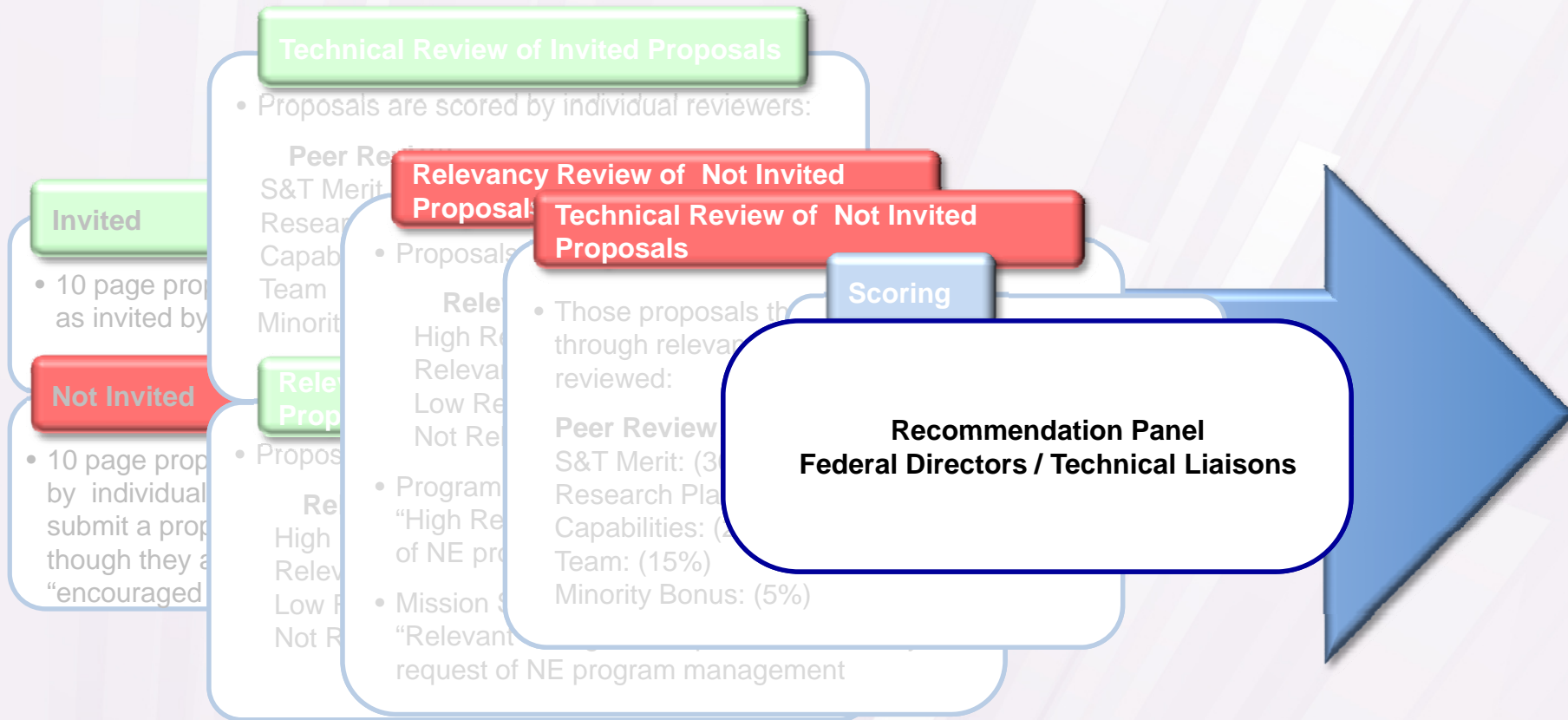


# FY2011 RFP Review Process





# FY2011 RFP Review Process





# FY2011 RFP Review Process

