U.S. Department of Education

2022 Pre-Application Webinar:
Modeling and Simulation Program

Presented by:

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Pre-Application Technical Assistance Webinar Schedule:
July 13, 2022; July 27, 2022; August 10, 2022 (1:00PM EST)

AGENDA



- Welcome
- Program Purpose
- FY 2022 Competition At A Glance
- Eligibility Criteria
- Absolute Priorities – Absolute Priority 1 & Absolute Priority 2
- Competitive Priority (only 1)
- Selection Criteria
- GPRA Measures
- Logic Model
- Planning Your Grant Application
- Logistical Advice
- Program Contacts and Wrap Up

Part I: Overview of Modeling and Simulation Program

Note: The Notice Published in the Federal Register is the official guide for submitting a Modeling and Simulation Program Application.

Modeling and Simulation Program Purpose:



The MSP is designed to promote the study of modeling and simulation at institutions of higher education by promoting the enhancement or development of modeling and simulation degree and certificate programs.



Additionally, through this program, the Department will create a task force that will include the successful grantees and other content experts to raise awareness and help further define the study of modeling and simulation.

FY 2022 COMPETITION AT A GLANCE

Application Available:

Thursday, June 30, 2022

Application Deadline:

Monday, August 15, 2022

Estimated Available Funds: $6,930,000

Maximum Award: $1,155,000 for the entire project period of 36 months

Project Period: 36 months

Estimated Number of Awards: 6-9

- **2 Absolute Priorities**
- **1 Competitive Priority**
- **Unrestricted Indirect Cost Rate**
- **Cost Sharing or Matching:** each eligible institution receiving a grant under this program must provide, from non-Federal sources, in cash or in-kind, an amount equal to **25 percent of the amount of the grant to carry out the activities supported by the grant**.

Eligibility

Public or Private Nonprofit Institutions of Higher Education, as defined in section 101 (a) of the HEA.

PRIORITIES

Absolute Priority 1 – Enhancement Grants

Absolute Priority 2 – Establishment Grants

Competitive Preference Priority (CPP)

Absolute Priorities

Two (2) Absolute Priorities for the FY2022 Competition.

Applicants must address either Absolute Priority 1 (Enhancing Grants) or Absolute Priority 2 (Establishing Grants).

Applicants must address all sub-components of the priority under which applying.

Absolute Priority 1 - Enhancing Modeling and Simulation at Institutions of Higher Education

Absolute Priority 2 - Establishing Modeling and Simulation Programs

Meeting the Absolute Priorities

Required

In order to meet the requirements of the absolute priorities, you must:

Respond

Respond to either Absolute Priority 1 or Absolute Priority 2.

NOTE: You may not respond to both Absolute Priorities.

Address

Address every component of the selected priority. AP 1 consist of 4 components; AP 2 include 3 components.

Absolute Priority 1

Enhancement Grants

Absolute Priority 1 - Enhancing Modeling and Simulation at Institutions of Higher Education

(a) A letter from the president or provost of the eligible institution that demonstrates the institution's commitment to the enhancement of the modeling and simulation program at the institution of higher education;

(b) An identification of designated faculty responsible for the enhancement of the institution's modeling and simulation program;

(c) A detailed plan for how the grant funds will be used to enhance a modeling and simulation program of the institution; and

(d) Evidence that the institution has an established modeling and simulation degree program, including a major, minor, or career-track program; or has an established modeling and simulation certificate or concentration program.

Absolute Priority 1:

Funding Restriction

A grant awarded under Absolute Priority 1 must be used by an eligible institution to enhance modeling and simulation programs at the institution, which may include-

(a) Expanding the multidisciplinary nature of the institution's modeling and simulation programs;

(b) Recruiting students into the field of modeling and simulation through the provision of fellowships or assistantships;

(c) Creating new courses to complement existing courses and reflect emerging developments in the modeling and simulation field;

(d) Conducting research to support new methodologies and techniques in modeling and simulation; and

(e) Purchasing equipment necessary for modeling and simulation programs.

Absolute Priority 2:

Establishing Grants

Absolute Priority 2 - Establishing Modeling and Simulation at Institutions of Higher Education

(a) A letter from the president or provost of the eligible institution that demonstrates the institution's commitment to the establishment of a modeling and simulation program at the institution of higher education;

(b) A detailed plan for how the grant funds will be used to establish a modeling and simulation program at the institution; and

(c) A description of how the modeling and simulation program established under this priority will complement existing programs and fit into the institution's current program and course offerings.

Absolute Priority 2:

Funding Restriction

A grant awarded under Absolute Priority 2 must be used by an eligible institution to establish modeling and simulation programs at the institution, which may include-

(a) Establish, or work toward the establishment of, a modeling and simulation program, including a major, minor, career-track, certificate, or concentration program at the eligible institution;

(b) Provide adequate staffing to ensure the successful establishment of the modeling and simulation program, which may include the assignment of full-time dedicated or supportive faculty; and

(c) Purchase equipment necessary for modeling and simulation programs.

Competitive Preference Priority (CPP):

Promoting Equity in Student Access to Educational Resources and Opportunities

(up to 3 points)

One (1) Competitive Preference Priority (CPP) for the FY2022 Competition.

Applicants must demonstrate project will be implemented by or in partnership with one or more of the following entities:

Community Colleges (as defined in the NIA)

Historically Black colleges and universities (as defined in the NIA)

Tribal Colleges and Universities (as defined in the NIA)

Minority-serving Institutions (as defined in the NIA)

Selection Criteria	Maximum Points
Significance	25
Quality of the Project Design	50
Quality of the Project Personnel	5
Adequacy of Resources	5
Quality of the Management Plan	5
Quality of the Project Evaluation	**10**
Competitive Preference Priority	3
Total Possible Score Per Application	**103**

Selection Criteria

Significance (maximum 25 points)

(1) The Secretary considers the significance of the proposed project.

(2) In determining the significance of the proposed project, the Secretary considers the following factors:

(i) The extent to which the proposed project is likely to yield findings that may be utilized by other appropriate agencies and organizations. (up to 5 points)

(ii) The extent to which the proposed project involves the development or demonstration of promising new strategies that build on, or are alternatives to, existing strategies. (up to 10 points)

(iii) The extent to which the results of the proposed project are to be disseminated in ways that will enable others to use the information or strategies. (up to 10 points)

Selection Criteria: Significance

Questions to Consider - Significance

How will the project help the grantee build upon existing successful strategies or processes or test innovations in the field?

How will the project have an impact beyond the grantee or the community it serves?

What mechanism will the project design to leverage successes and lessons learned to similar organizations or target populations**?**



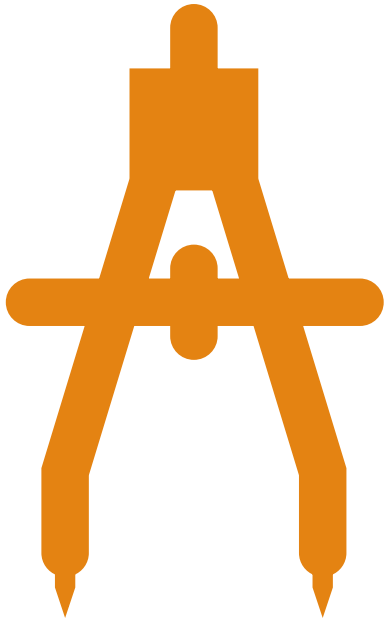
Selection Criteria – Project Design

B. Quality of the Project Design (maximum 50 points)

(i) The extent to which there is a conceptual framework underlying the proposed research or demonstration activities and the quality of that framework. (up to 10 points)

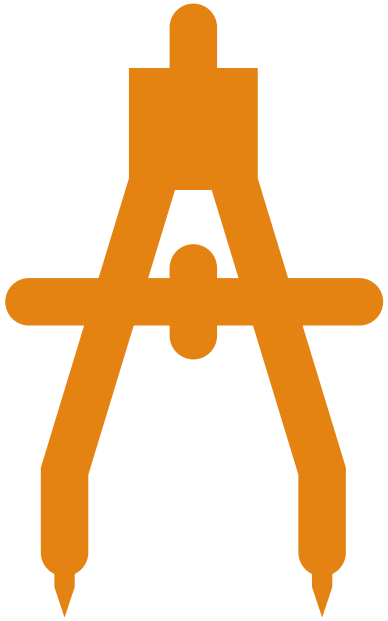
(ii)The extent to which the proposed activities constitute a coherent, sustained program of training in the field. (up to 10 points)

(iii)The extent to which the proposed project is designed to build capacity and yield results that will extend beyond the period of Federal financial assistance. (up to 10 points)



Selection Criteria: Project Design Con't…

B. Quality of the Project Design (maximum 50 points)



(iv) The extent to which the proposed project represents an exceptional approach to the priorities established for the competition. (up to 10 points)

(v) The extent to which the proposed project demonstrates a rationale (as defined in this notice). (up to 10 points)

Questions to Consider: Project Design

- What are the issues the proposal is attempting to address?
- How do the issues, needs, and proposed activities relate to the purpose of the program and the targeted population?
- How will the applicant address the needs?
- How will the applicant address the priorities?
- How would the project be presented using a Logic Model?

Selection Criteria:

Project Personnel

C. Quality of Project Personnel (maximum 5 points)

(1) The Secretary considers the quality of the personnel who will carry out the proposed project.

(2) In determining the quality of project personnel, the Secretary considers the extent to which the applicant encourages applications for employment from persons who are members of groups that have traditionally been underrepresented based on race, color, national origin, gender, age, or disability. (up to 2 points)

(3) In addition, the Secretary considers the qualifications, including relevant training and experience, of the project director or principal investigator. (up to 3 points)

Questions to Consider:

Project Personnel

Does the proposed project director have experience or subject matter expertise working with the target population?

How will the project ensure equity and inclusion In hiring?

Does the project director have experience or training managing similar projects and collaborating with multiple partners?

Do the proposed key personnel have relevant experience or training working with the target population or providing services in similar programs or projects?

Selection Criteria:

Adequacy of Resources

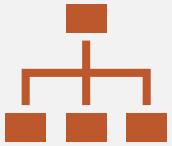
D. <u>Adequacy of resources</u> (maximum 5 points)

(1) The Secretary considers the adequacy of the resources for the proposed project.

(2) In determining the adequacy of resources for the proposed project, the Secretary considers the adequacy of support, including facilities, equipment, supplies, and other resources, from the applicant organization or the lead applicant organization.

Questions to Consider:

Adequacy of resources



Are the lead agency's resources and support mechanisms sufficient to ensure project success?



Do you have full support from project partners to make the proposed project a success?

Selection Criteria:

Quality of the Management Plan

D. Quality of the Management Plan (up to 5 points)

(1) The Secretary considers the quality of the management plan for the proposed project.

(2) In determining the quality of the management plan for the proposed project, the Secretary considers the extent to which the time commitments of the project director and principal investigator and other key project personnel are appropriate and adequate to meet the objectives of the proposed project.

Questions to Consider:

Management Plan

How will the proposed project be managed and who will manage the various components?

How will you ensure that the project is on schedule and within budget to meet the identified goals and objectives of the project?

Have sufficient staff and time been committed to ensure that the identified goals and objectives are met?

Selection Criteria:

Project Evaluation

E. Quality of the Project Evaluation (maximum 10 points)

(1) The Secretary considers the quality of the evaluation to be conducted of the proposed project.

(2) In determining the quality of the evaluation, the Secretary considers the following factors:

(i) The extent to which the methods of evaluation are thorough, feasible, and appropriate to the goals, objectives, and outcomes of the proposed project. (up to 5 points)

(ii) The extent to which the methods of evaluation will provide performance feedback and permit periodic assessment of progress toward achieving intended outcomes. (up to 5 points)

Questions to Consider:

Project Evaluation



What metrics will be used to measure progress and are they clearly aligned to the goals of the project?



Are long- and short-term objectives clear and measurable?



How will the evaluation be used to inform continuous improvement?

GPRA Performance Measures

1. The number of students enrolled in the established and enhanced modeling and simulation programs, including major, minor, career-track, certificate, and concentration programs.
2. The number of new modeling and simulation courses in established and enhanced programs developed under the MSP that reflect emerging developments in the modeling and simulation field.



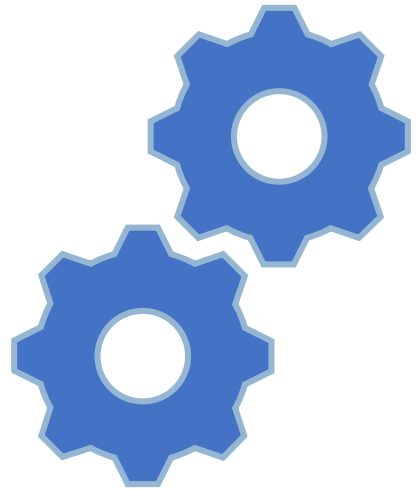


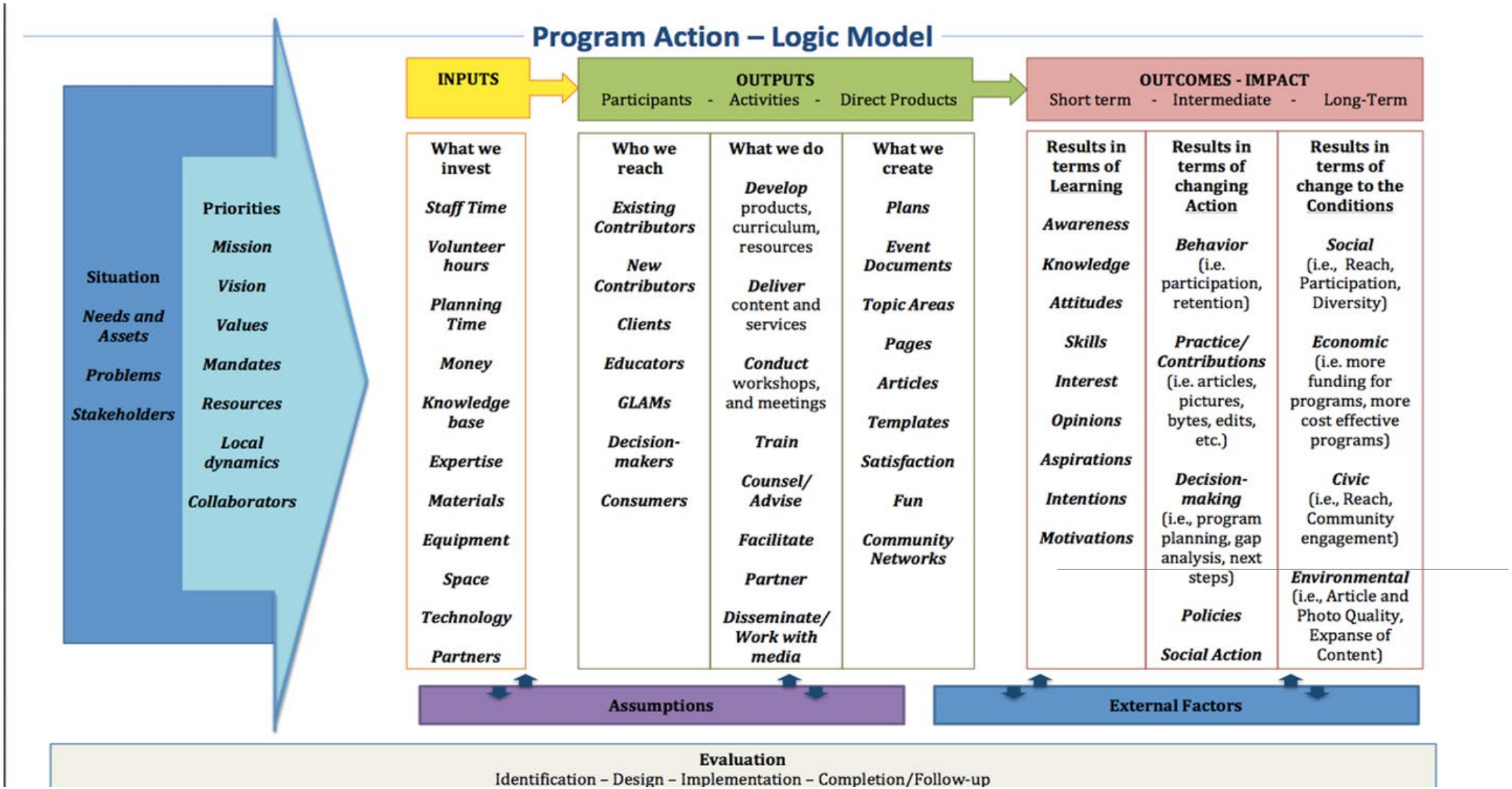
Addressing the Project Design:

Demonstrates a Rationale and The Logic Model

Components of a Program Logic Model

- ***Resources***: Materials to Implement the Program
- ***Activities:*** Steps for Program Implementation
- ***Outputs*:** Products of the Program
- ***Impacts on Outcomes*:** Changes in Program Participants' Knowledge, Beliefs, or Behavior





Logic Model Example

Regional Educational Laboratory (REL) Resources on Logic Models

Logic Models: A Tool for Effective Program Planning, Collaboration, and Monitoring
https://ies.ed.gov/ncee/edlabs/projects/project.asp?projectID=409

Logic Models: A Tool for Designing and Monitoring Program Evaluations
https://ies.ed.gov/ncee/edlabs/projects/project.asp?ProjectID=404

Logic Models for Program Design, Implementation, and Evaluation: Workshop Toolkit
https://ies.ed.gov/ncee/edlabs/projects/project.asp?ProjectID=401

Education Logic Model application for creating logic models:
https://ies.ed.gov/ncee/edlabs/regions/pacific/elm.asp

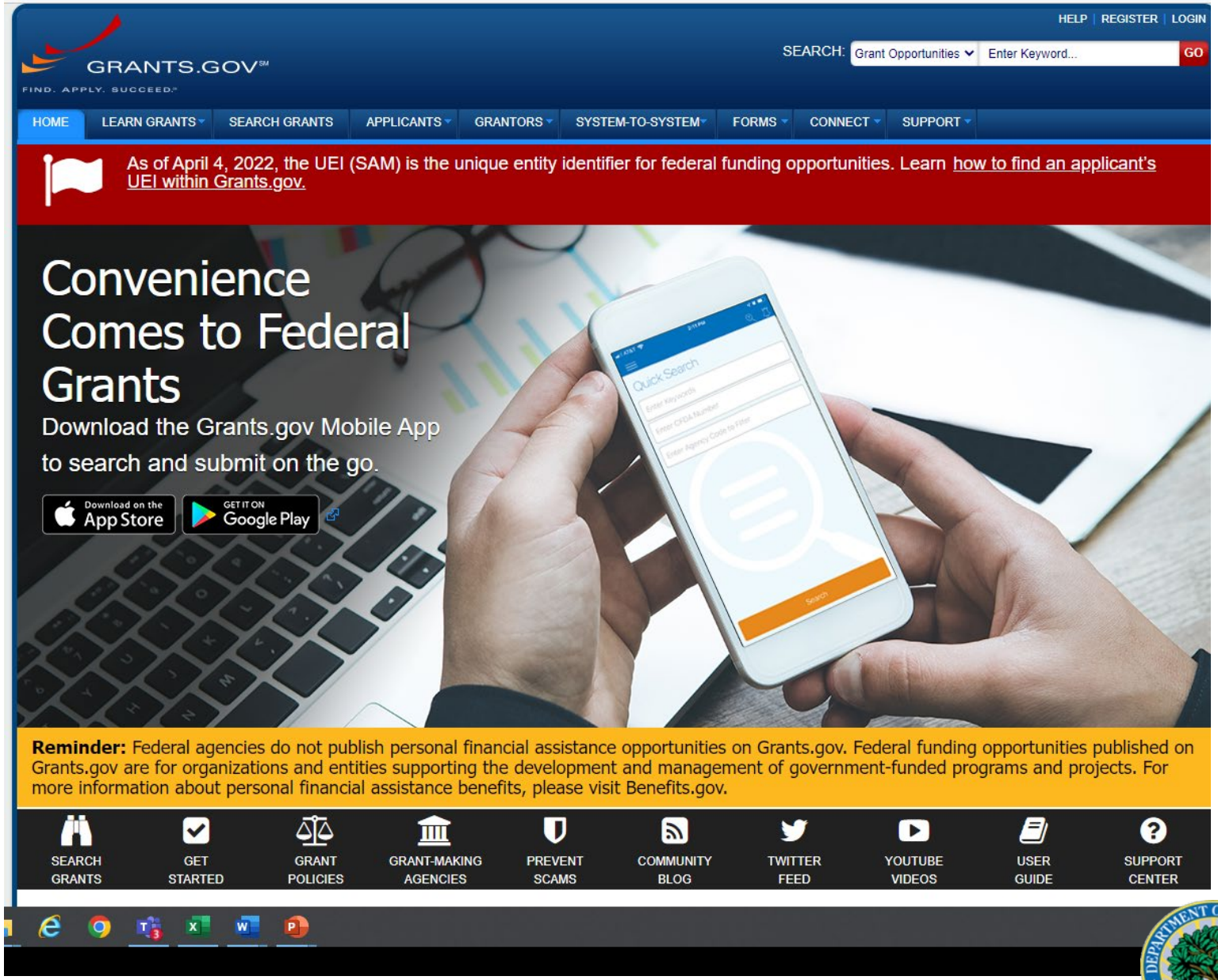


Part I: Overview
Questions & Answers

Part II: Grants.gov
FY2022 FIPSE Modeling and Simulation Program Application

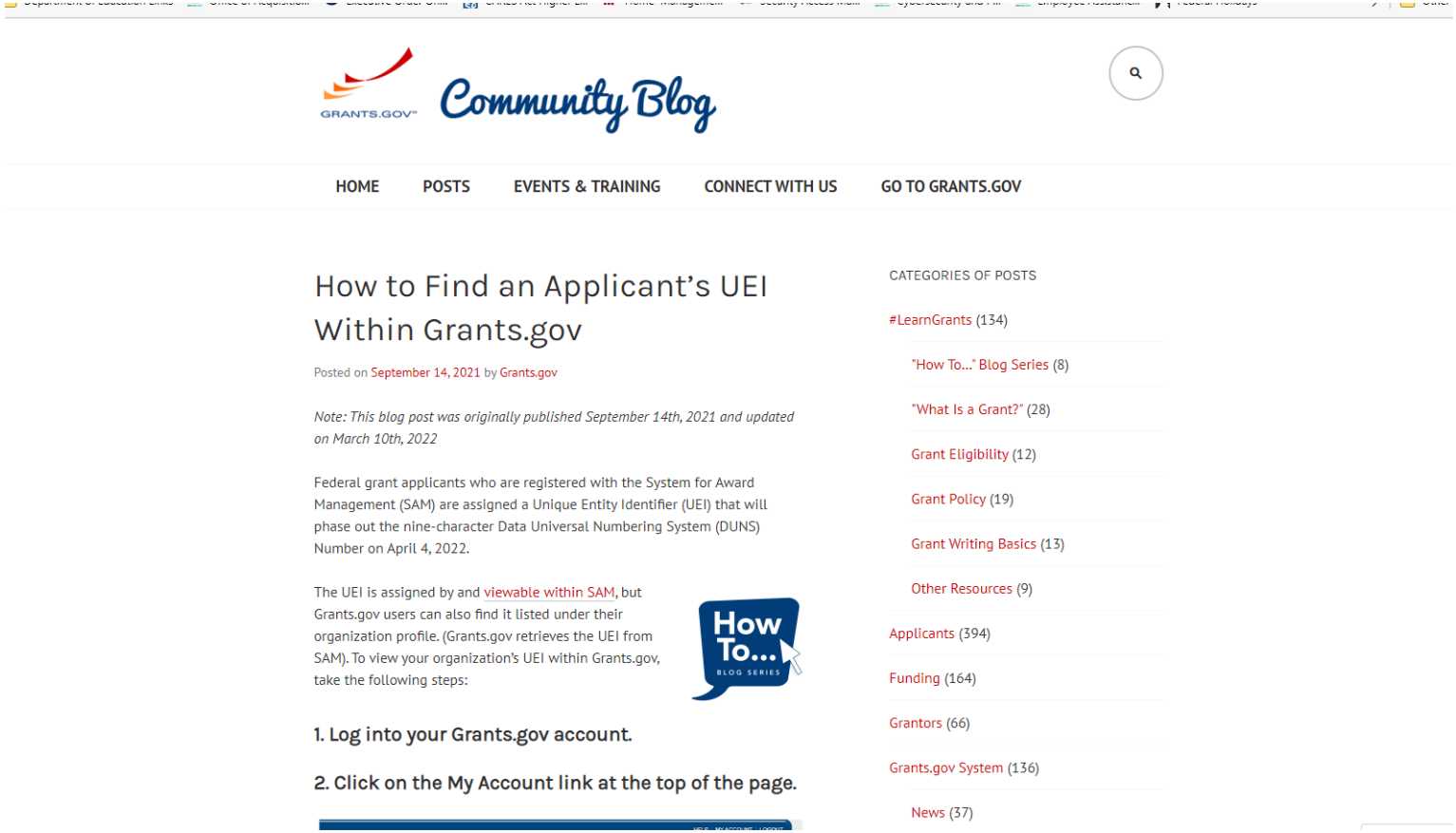
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How to Find an Applicant's UEI Within Grants.gov – Grants.gov Community Blog (wordpress.com)

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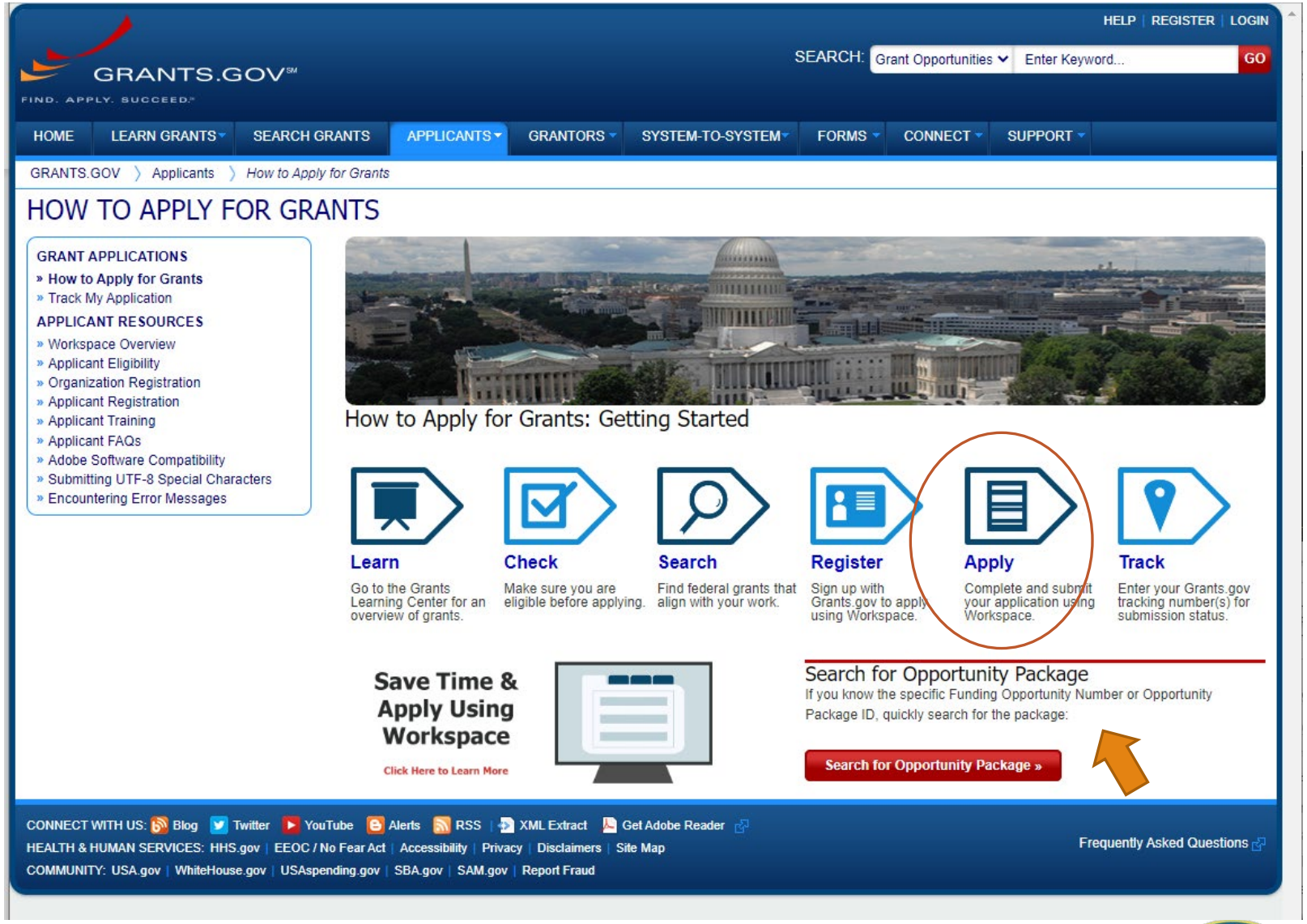
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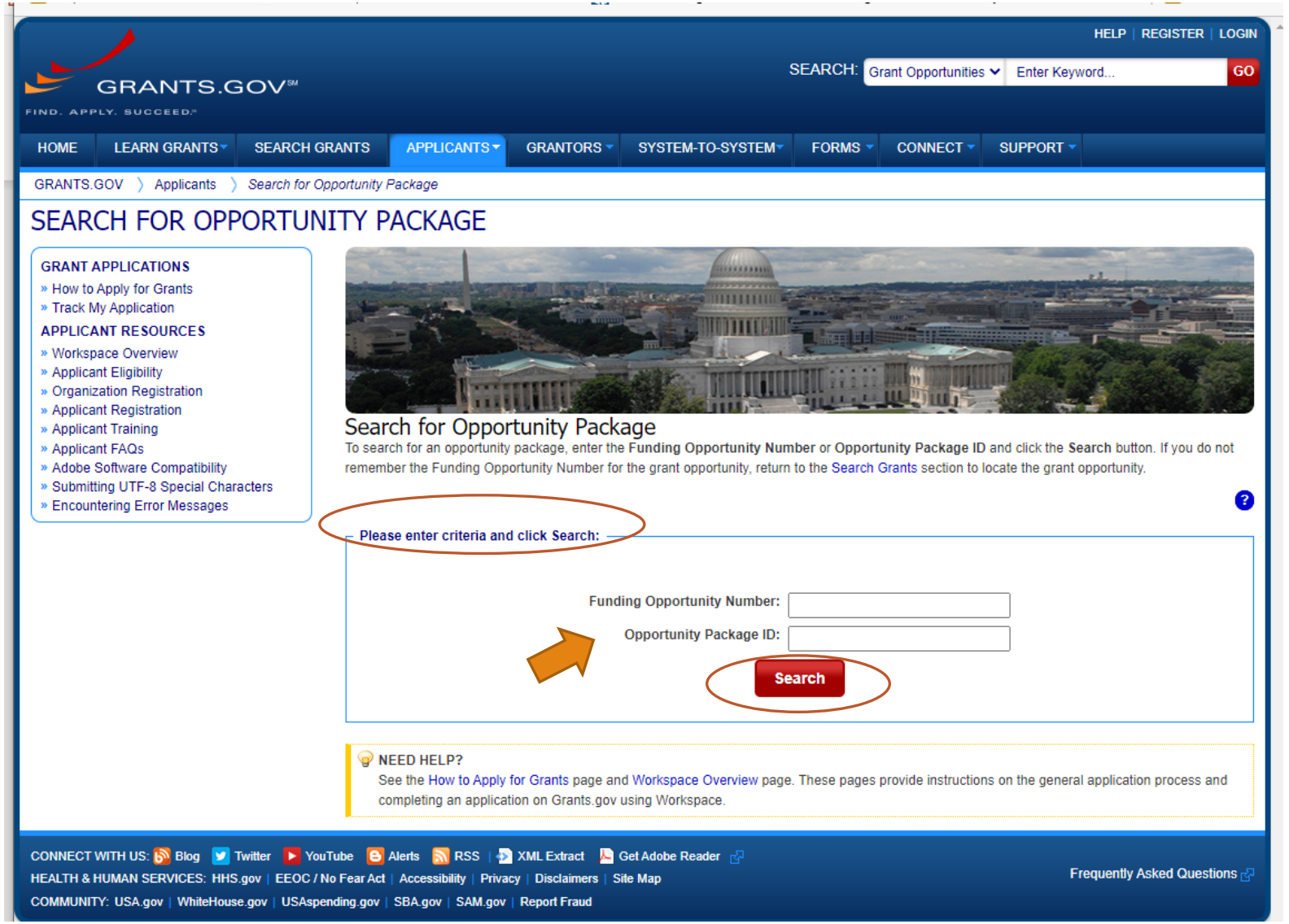
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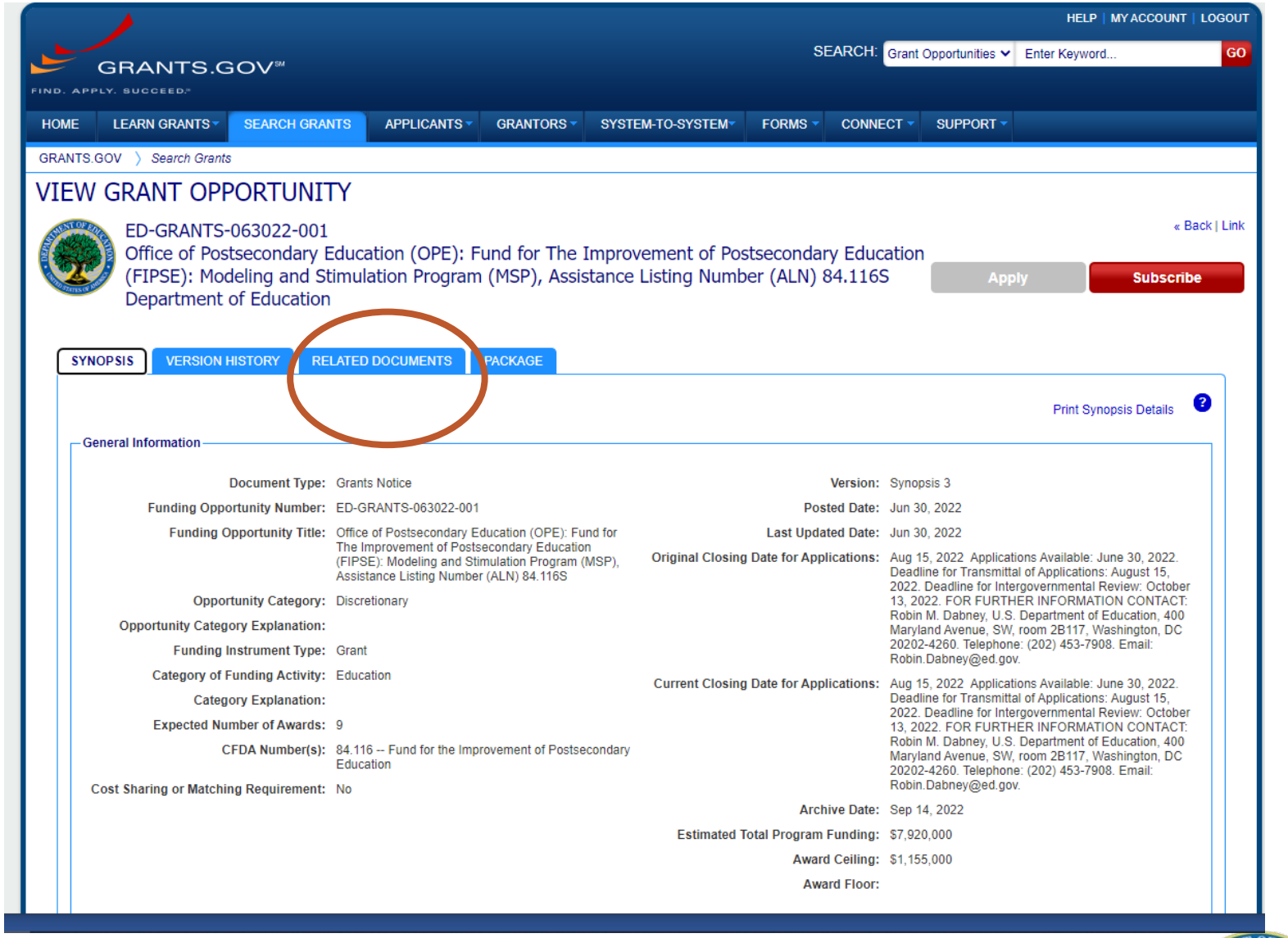
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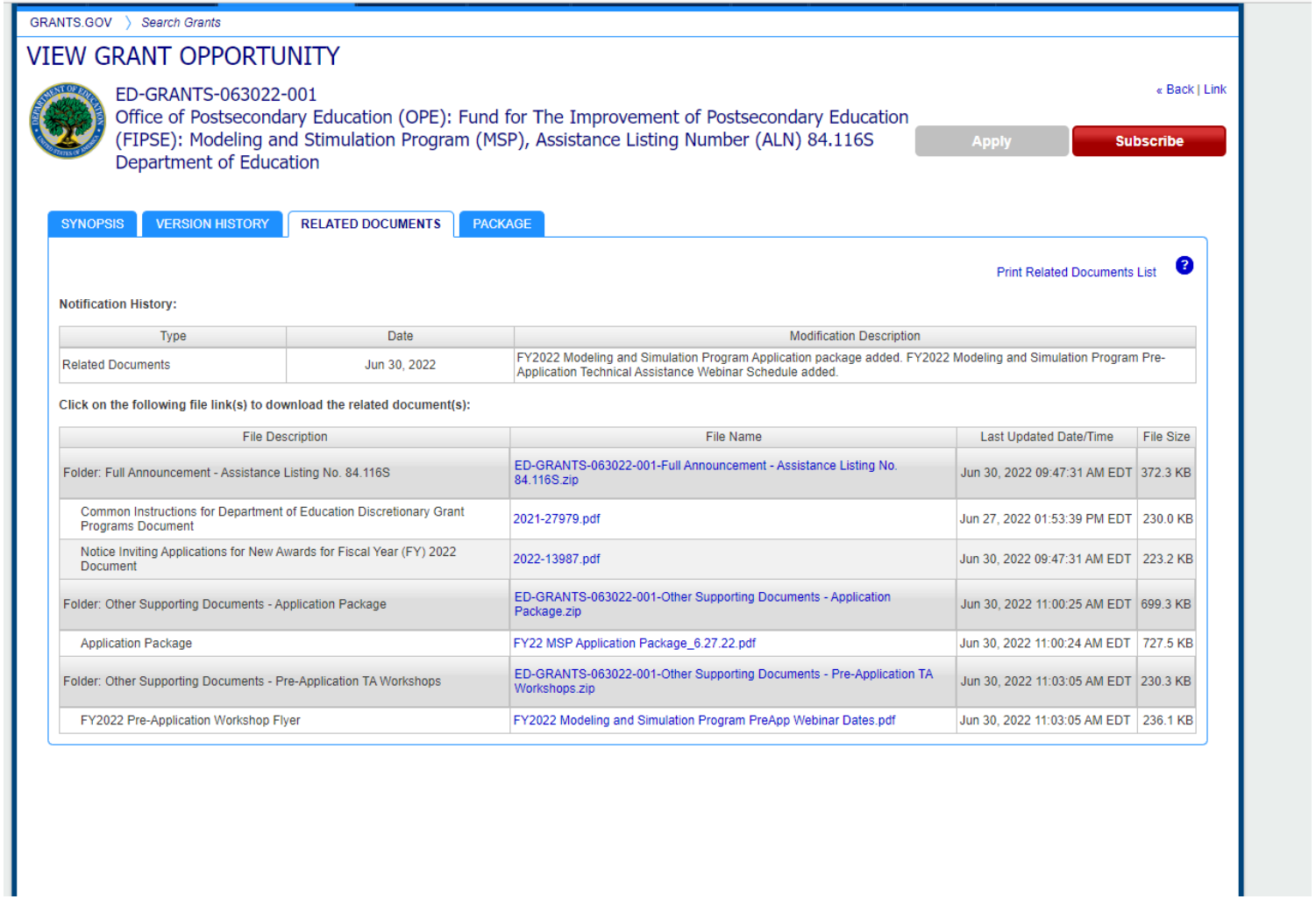
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ED-GRANTS-063022-001
Office of Postsecondary Education (OPE): Fund for The Improvement of Postsecondary Education (FIPSE): Modeling and Stimulation Program (MSP), Assistance Listing Number (ALN) 84.116S
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SYNOPSIS | VERSION HISTORY | RELATED DOCUMENTS | PACKAGE

Print Related Documents List

Notification History:

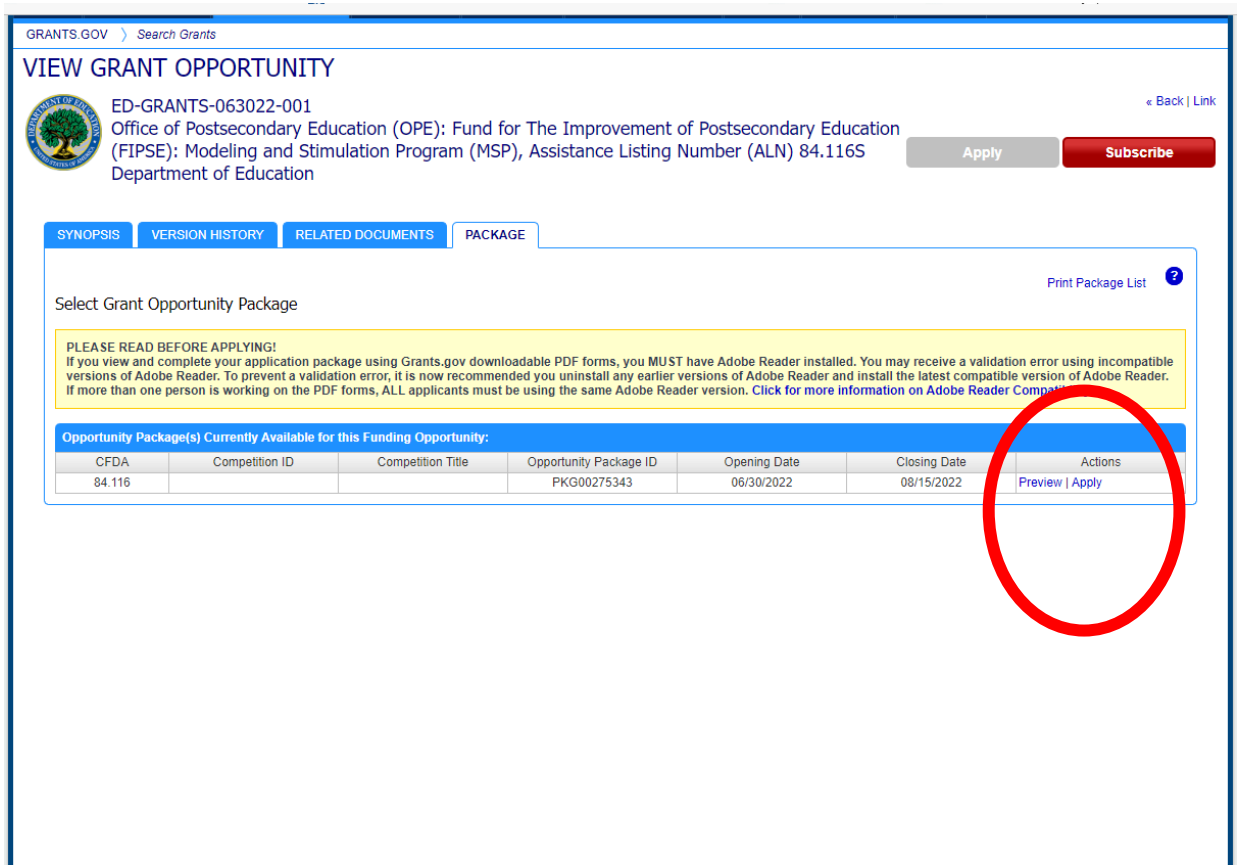
Type	Date	Modification Description
Related Documents	Jun 30, 2022	FY2022 Modeling and Simulation Program Application package added. FY2022 Modeling and Simulation Program Pre-Application Technical Assistance Webinar Schedule added.

Click on the following file link(s) to download the related document(s):

File Description	File Name	Last Updated Date/Time	File Size
Folder: Full Announcement - Assistance Listing No. 84.116S	ED-GRANTS-063022-001-Full Announcement - Assistance Listing No. 84.116S.zip	Jun 30, 2022 09:47:31 AM EDT	372.3 KB
Common Instructions for Department of Education Discretionary Grant Programs Document	2021-27979.pdf	Jun 27, 2022 01:53:39 PM EDT	230.0 KB
Notice Inviting Applications for New Awards for Fiscal Year (FY) 2022 Document	2022-13987.pdf	Jun 30, 2022 09:47:31 AM EDT	223.2 KB
Folder: Other Supporting Documents - Application Package	ED-GRANTS-063022-001-Other Supporting Documents - Application Package.zip	Jun 30, 2022 11:00:25 AM EDT	699.3 KB
Application Package	FY22 MSP Application Package_6.27.22.pdf	Jun 30, 2022 11:00:24 AM EDT	727.5 KB
Folder: Other Supporting Documents - Pre-Application TA Workshops	ED-GRANTS-063022-001-Other Supporting Documents - Pre-Application TA Workshops.zip	Jun 30, 2022 11:03:05 AM EDT	230.3 KB
FY2022 Pre-Application Workshop Flyer	FY2022 Modeling and Simulation Program PreApp Webinar Dates.pdf	Jun 30, 2022 11:03:05 AM EDT	236.1 KB

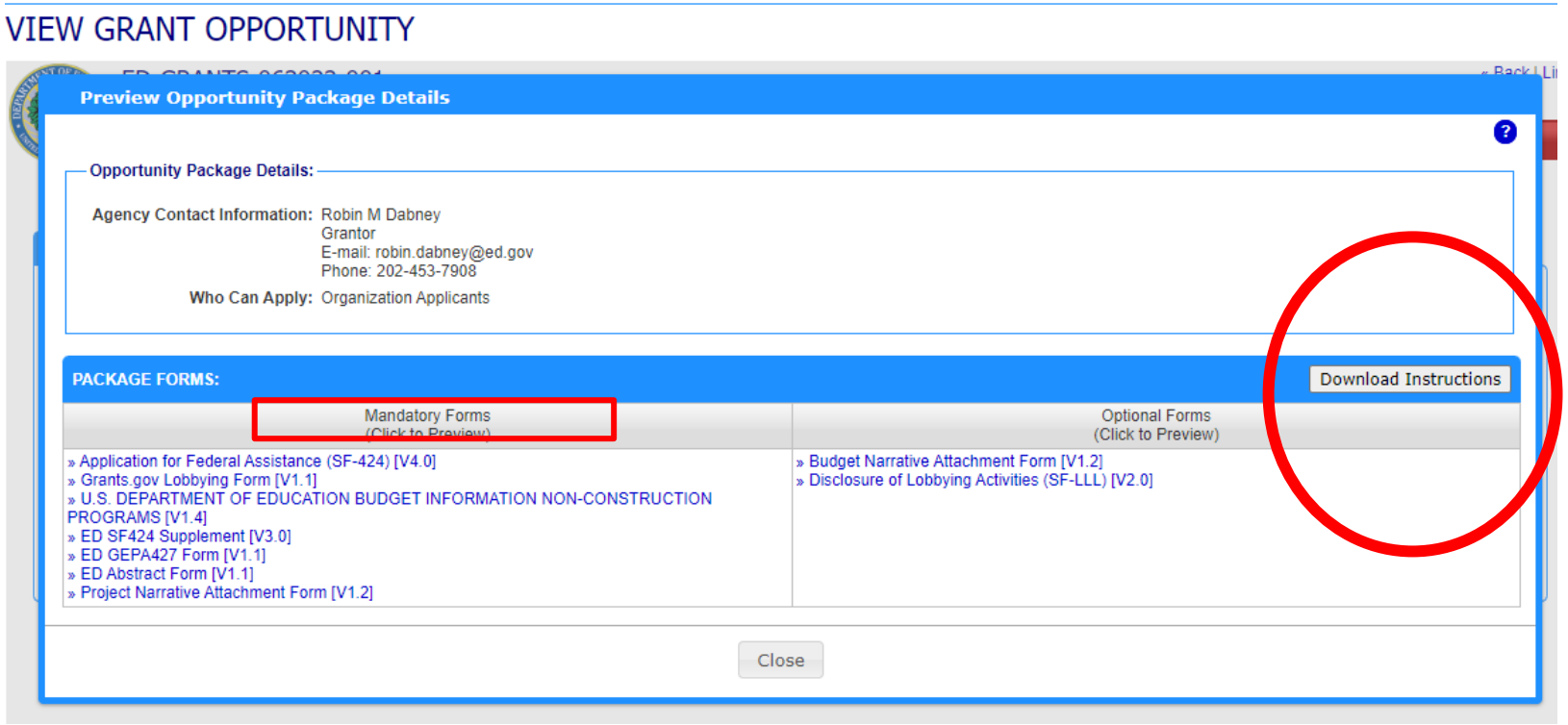
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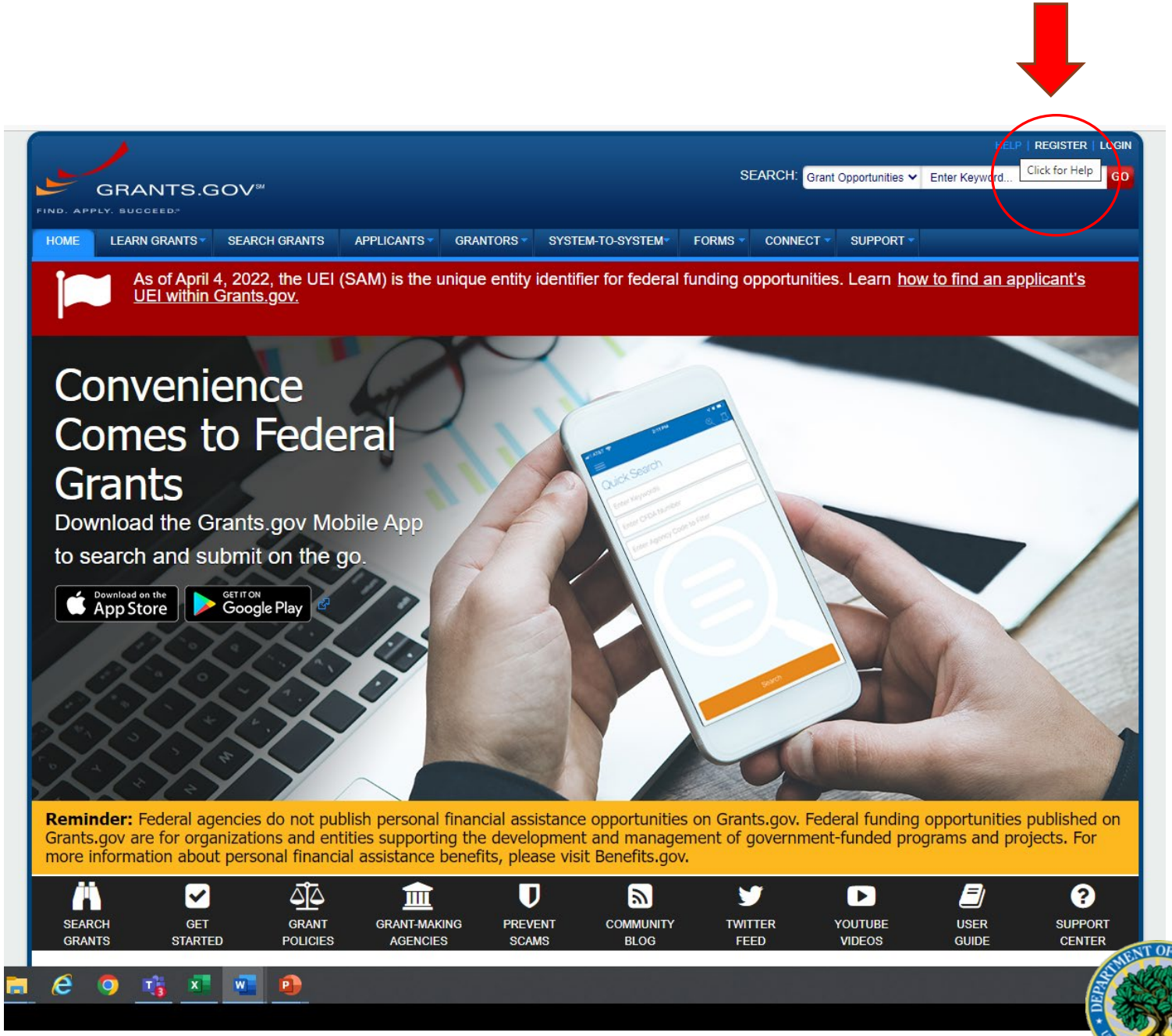
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Preparing Your Grant Application

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Before submitting your application, use the application checklist in the Instructions Booklet

DEADLINE TO SUBMIT:

Monday, August 15, 2022, 11:59:59 PM

Tips to Getting Started

Modeling and Simulation Program Application Planning

Modeling and Simulation Program Application Planning

1

Identify goals for your proposed project and their focus on the project recipients.

2

Analyze every proposed activity to ensure that it is attainable, meaningful, and measurable.

3

Choose metrics and evaluation methods that will provide you with robust feedback to make continuous improvements to the project.

Grant Application Planning

1

Be realistic and straightforward about every aspect of your project design.

2

Design activities and services that are manageable and directly address your identified challenges and issues.

3

Forecast and create an implementation and management plan that is realistic.



FAQs: Frequently Asked Questions



FAQs:

1. WHAT IS THE **DEADLINE** TO SUBMIT AN APPLICATION? **AUGUST 15, 2022**

2. CAN AN APPLICANT APPLY UNDER BOTH ABSOLUTE PRIORITIES (AP-1 **AND** AP -2)?

NO. APPLICANTS MUST APPLY UNDER ONE ABSOLUTE PRIORITY.

3. ARE APPLICANTS REQUIRED TO RESPOND TO COMPETITIVE PREFERENCE PRIORITY (CPP)? **NO. APPLICANTS CAN EARN UP TO 3 ADDITIONAL POINTS**.

4. MUST ALL ELEMENTS UNDER ABSOLUTE PRIORITIES BE ADDRESS?

YES. APPLICANTS ARE REQUIRED TO ADDRESS ALL ELEMENTS UNDER THE SELECTED ABSOLUTE PRIORITY

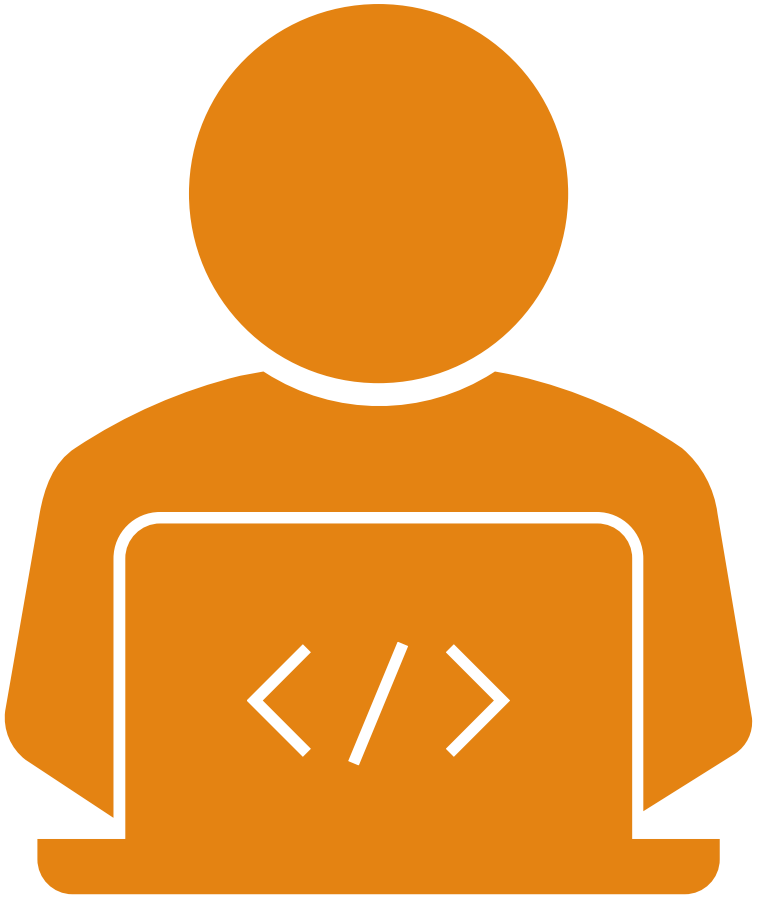
Logistical Advice

Make sure you are properly registered in the **Grants.gov** system: https://www.grants.gov/, your AOR profile is current, and you are applying to the correct Grant Opportunity Number, which is **ED-GRANTS-063022-001**.

Ensure that your IHE's **Unique Identifier Number (UIE)** is active in SAM https://www.sam.gov/SAM/.

Be aware that the DUNS number transitioned to a **Unique Entity Identifier (UEI**) in April 2022 (visit, https://www.gsa.gov/about-us/organization/federal-acquisition-service/office-of-systems-management/integrated-award-environment-iae/iae-information-kit/unique-entity-identifier-update).

Submit your FY2022 Modeling and Simulation Program Grant Application EARLY! Application Deadline: August 15, 2022, 11:59:59pm.



Program Contacts

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Email: Everardo.Gil@ed.gov

Modeling and Simulation Program Webpage:
https://www2.ed.gov/programs/msp/index.html

Modeling and Simulation Program email:
modelingandsimulation@ed.gov



Thank YOU!