

October 30, 2013

Supporting Statement for Paperwork Reduction Act Submissions

OMB Control Number: 1660 – 0119

Title: FEMA Preparedness Grants: Operation Stonegarden (OPSG)

Form Number(s): FEMA Form 089-16; FEMA Form 089-20

General Instructions

A Supporting Statement, including the text of the notice to the public required by 5 CFR 1320.5(a)(i)(iv) and its actual or estimated date of publication in the Federal Register, must accompany each request for approval of a collection of information. The Supporting Statement must be prepared in the format described below, and must contain the information specified in Section A below. If an item is not applicable, provide a brief explanation. When Item 17 or the OMB Form 83-I is checked “Yes”, Section B of the Supporting Statement must be completed. OMB reserves the right to require the submission of additional information with respect to any request for approval.

Specific Instructions

A. Justification

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information. Provide a detailed description of the nature and source of the information to be collected.

FEMA’s **Operation Stonegarden (OPSG) Grant Program** provides funding to designated localities to enhance cooperation and coordination between Federal, State, local, and tribal law enforcement agencies in a joint mission to secure the U.S. borders along routes of ingress from International borders to include travel corridors in States bordering Mexico and Canada, as well as States and territories with International water borders. The Operation Stonegarden funds must be used to increase operational capabilities of Federal, State, local and tribal law enforcement, promoting a layered, coordinated approach to law enforcement within U.S. Border States and territories.

A State Homeland Security Grant Program (SHSP) was established to assist State, local, and tribal governments in preventing, preparing for, protecting against, and responding to acts of terrorism. As a component of the SHSP, Operation Stonegarden grants are established by

Section 2004(a) of the *Homeland Security Act of 2002* (6 U.S.C. §605), as amended by Section 101, Title I of the *Implementing Recommendations of the 9/11 Commission Act of 2007* (P.L. 110-053). Title III of the *Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009* (P.L. 110-329) provides a specific line item within the SHSP appropriation to fund the Operation Stonegarden grant.

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection. Provide a detailed description of: how the information will be shared, if applicable, and for what programmatic purpose.

FEMA Form 089-16, OPSG Operations Order Report – This document is used by Customs & Border Patrol (CBP)/Border Protection (BP) Sector Headquarters, in coordination with local / tribal law enforcement agencies and the State SAA, to provide project budget and accompanying project description. The Operations Order includes budgets and operative spending plans in one year increments for the 36 month period of performance. Applicants provide this information in MS Word format at the time of application submission via grants.gov. The information from the Operations Orders is used by reviewers from FEMA, CBP/BP, and the State Administrative Agencies (SAAs) to evaluate applications and making funding decisions.

FEMA Form 089-20, Operations Order Prioritization – FEMA will provide the SAA with an electronic template for prioritizing the applications and creating a list, ranked in consideration of two factors: (1) the relative need for the local unit of government compared to the other applicants and (2) the potential impact of the Operations Order on achieving maximum border protection results at minimal cost. This assists FEMA and CBP/BP in determining the priorities of the various SAAs in order to make appropriate funding decisions.

Initial Strategy Implementation Plan (ISIP) – Through the ISIP, the State Administrative Agency (SAA) will report planned expenditures within 45 days of the newly awarded grants. The SAA is responsible for the submission of the ISIP report to FEMA. Submission of the ISIP satisfies the programmatic reporting requirements identified in the FEMA preparedness grant program guidance to ensure legal and prudent use of federal funds. All funds provided to the SAA through these grant programs must be accounted for and linked to one or more projects. This, in turn, must support specific goals and objectives in the State Homeland Security Strategy (SHSS) and where appropriate, the Urban Area Security Strategies (UASS) and Regional Transit Security Strategies. The ISIP data is submitted electronically in a FEMA-sponsored system, the Grants Reporting Tool (GRT). This collection activity is approved under OMB Control Number 1660-0117, which expires on 11/30/2013.

Biannual Strategy Implementation Report (BSIR) – The BSIR serves as the reporting format for the Semiannual Progress Report, formerly known as the Categorical Assistance Progress Report (CAPR). The SAA/Direct Tribal Grantee (DTG) is responsible for providing FEMA with BSIR reports to account for grant funding. The BSIRs are due within 30 days of the end of the reporting periods (June 30 and December 31), for the life of the award. A close-out BSIR is due 120 days after the end date of the award period. The submission of a completed BSIR satisfies programmatic reporting requirements as outlined in the grant

program guidance to ensure legal and prudent use of federal funds. All funds provided to the SAA through these grant programs must be accounted for and linked to one or more projects. This, in turn, must support specific goals and objectives in the State Homeland Security Strategy and where appropriate, the Urban Area Homeland Security Strategy, and Regional Transit Security Strategy, as detailed in the special conditions of the grant award. The BSIR data is submitted electronically in a FEMA-sponsored system, the Grants Reporting Tool (GRT). This collection activity is approved under OMB Control Number 1660-0117, which expires on 11/30/2013.

Preparedness Comprehensive Assessment Support Tool (PrepCAST) formerly known as the National Incident Management System Compliance Assistance Support Tool (NIMSCAST) – PrepCAST facilitates and reports State, Territory, tribal and local jurisdictions' compliance with the National Incident Management System (NIMS). PrepCAST allows incident management authorities and resource managers to assess their current capabilities as well as to determine what additional measures should be taken and what resources are needed to effectively implement the NIMS nationwide. The State Preparedness Report provides information on the readiness of states to respond to disaster situations. The capability based data in this report is used in conjunction with other data to create documents such as the National Preparedness Report. This collection activity is approved under OMB Control Number 1660-0087, which expires on 4/30/2016.

FEMA Form 024-0-1, Environmental and Historic Preservation (EHP) Environmental Screening Form (ESF) - The Environmental and Historic Preservation Environmental Screening Form is a paper form used by FEMA's Grant Programs Directorate (GPD) and is utilized when following the requirements for grant packages that utilize this instrument. This form should be attached to all project information sent to GPD for an Environmental and Historic Preservation (EHP) regulatory compliance review. This collection activity is approved under OMB Control Number 1660-0115, which expires on 10/31/2013.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses, and the basis for the decision for adopting this means of collection. Also describe any consideration of using information technology to reduce burden.

The OPSG Operations Order Report is complete in Microsoft Word and the Operations Order Prioritization is completed in Microsoft Excel, which are both submitted electronically as attachments to their OPSG application when applying for OPSG via www.grants.gov. Eligible applicants must apply for funding through this portal accessible on the internet.

Additionally, grant applicants must use the FEMA-sponsored Grants Reporting Tool (GRT) to submit data for their Initial Strategy Implementation Plan (ISIP) and Biannual Strategy Implementation Report (BSIR) to report on funds awarded. The GRT provides grantees the ability to electronically create and submit their ISIPs and BSIRs throughout the life of the grant. The GRT homepage is (<https://www.reporting.odp.dhs.gov/>). The GRT is used to capture FEMA's annual award and biannual grant reporting data. The Department developed the GRT as a tool to streamline the reporting process for grantees. The module is user-friendly

with a web-based format, thus reducing burden on the grantees by providing increased flexibility yet ensuring adherence to agency guidelines. The Grants Reporting Tool (GRT) collection activity is approved under OMB Control Number 1660-0117, which expires on 11/30/2013.

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purposes described in Item 2 above.

This information is not collected in any form, and therefore is not duplicated elsewhere.

5. If the collection of information impacts small businesses or other small entities (Item 5 of OMB Form 83-I), describe any methods used to minimize.

This information collection does not have an impact on small businesses or other small entities.

6. Describe the consequence to Federal/FEMA program or policy activities if the collection of information is not conducted, or is conducted less frequently as well as any technical or legal obstacles to reducing burden.

If FEMA could not request and obtain this information, FEMA could not exercise comprehensive financial and programmatic management and ensure the efficient and effective use of Federal funds. If FEMA was not able to receive information collected from grant recipients, the agency could not fulfill monitoring requirements.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:

(a) Requiring respondents to report information to the agency more often than quarterly.

No data collection elements are required more often than quarterly. Most collection elements are only required once per year per grant application.

(b) Requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it.

There are no requirements for respondents to prepare a written response to this collection of information in fewer than 30 days after receipt of it.

(c) Requiring respondents to submit more than an original and two copies of any document.

There are no requirements for a respondent to submit more than an original and two copies of any document.

(d) Requiring respondents to retain records, other than health,

medical, government contract, grant-in-aid, or tax records for more than three years.

Records must be retained for three years. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the three-year period, the records must be retained until completion of the action and resolution of all issues which arise from it, or until the end of the regular three-year period.

(e) In connection with a statistical survey, that is not designed to produce valid and reliable results that can be generalized to the universe of study.

There is no statistical survey involved with this data collection.

(f) Requiring the use of a statistical data classification that has not been reviewed and approved by OMB.

There is no use for statistical data classification in this data collection.

(g) That includes a pledge of confidentiality that is not supported by authority established in statute or regulation, that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily impedes sharing of data with other agencies for compatible confidential use.

There is no pledge of confidentiality that is not supported by authority established in statute or regulation for this data collection.

(h) Requiring respondents to submit proprietary trade secret, or other confidential information unless the agency can demonstrate that it has instituted procedures to protect the information's confidentiality to the extent permitted by law.

There are no requirements for respondents to submit proprietary trade secret, or other confidential information for this data collection.

8. Federal Register Notice:

a. Provide a copy and identify the date and page number of publication in the Federal Register of the agency's notice soliciting comments on the information collection prior to submission to OMB. Summarize public comments received in response to that notice and describe actions taken by the agency in response to these comments. Specifically address comments received on cost and hour burden.

A 60-day Federal Register Notice inviting public comments was published on July 1, 2013, 78 FR 39304. No comments were received. See attached copy of the published notice included in this package.

A 30-day Federal Register Notice inviting public comments was published on October 1, 2013, 78 FR 60299. No comments were received. See attached copy of the published notice included in this package.

b. Describe efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

FEMA meets with both the National Emergency Management Association (NEMA) and the National Governors Association (NGA) national associations that represent these entities, as well as individual grantees, through regular program-specific conferences and workshops. Additionally, teleconferences and e-mail communications are also used. These consultations focus on the nature of information needed by FEMA to manage the grant programs.

c. Describe consultations with representatives of those from whom information is to be obtained or those who must compile records. Consultation should occur at least once every three years, even if the collection of information activities is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

FEMA consults on a regular basis with Federal, State, local, tribal stakeholders on a variety of issues. These consultations involve discussions regarding the nature of information needed by FEMA to manage the grant programs. Partners offer comments and suggestions about their reporting practices. The most common area of concern is performance reporting, as most States are very familiar and comfortable with the grant administrative and financial reporting data elements that FEMA uses.

9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

FEMA does not provide payments or gifts to respondents in exchange for a benefit sought.

10. Describe any assurance of confidentiality provided to respondents. Present the basis for the assurance in statute, regulation, or agency policy.

A Privacy Threshold Analysis (PTA) was completed by FEMA and adjudicated by the DHS Privacy Office on September 23, 2013.

The Privacy Impact Assessment (PIA) is covered under the DHS/FEMA/PIA-013 - Grant Management Programs, approved by DHS on July 14, 2009 and the existing System of Records Notice (SORN), is DHS/FEMA-004 Grant Management Information Files 74 FR 39705 approved by DHS on August 7, 2009.

There are no assurances of confidentiality provided to the respondents for this information collection.

11. Provide additional justification for any question of a sensitive nature (such as sexual behavior and attitudes, religious beliefs and other matters that are commonly considered private). This justification should include the reasons why the agency considers the

questions necessary, the specific uses to be made of the information, the explanation to be given to persons from whom the information is requested, and any steps to be taken to obtain their consent.

There are no questions of sensitive nature.

12. Provide estimates of the hour burden of the collection of information. The statement should:

a. Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated for each collection instrument (separately list each instrument and describe information as requested). Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desired. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices.

OPSG is an existing grant program that uses the forms outlined in this collection. The FY 2009 OPSG funds must be used to increase operational capabilities of Federal, State, local and tribal law enforcement, promoting a layered, coordinated approach to law enforcement within U.S. Border States and territories. The burden hour estimates shown on the following pages are based upon internal and external subject matter expertise. The burden to collect the necessary information is estimated to be 25,038 total annual burden hours.

FEMA has estimated that approximately 39 respondents will complete the **FEMA Form 089-16** (OPSG Operations Order Report). Each form is estimated to take 570 hours to complete. The total annual burden is estimated to be 39 responses x 570 hours per response = 22,230 hours.

FEMA has estimated that approximately 39 respondents will complete the **FEMA Form 089-20** (Operations Order Prioritization). Each form is estimated to take 72 hours to complete. The total annual burden is estimated to be 39 responses x 72 hours per response = 2,808 hours.

b. If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens in Item 13 of OMB Form 83-I.

c. Provide an estimate of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost to the respondents of contracting out or paying outside parties for information collection activities should not be included here. Instead this cost should be included in Item 13.

Operation Stonegarden Burden Estimates

| Table A.12: Estimated Annualized Burden Hours and Costs | | | | | | | | |
|---|--|--------------------|---------------------------------|------------------------|-------------------------------------|--------------------------------|------------------------|------------------------------|
| Type of Respondent | Form Name / Form Number | No. of Respondents | No. of Responses per Respondent | Total No. of Responses | Avg. Burden per Response (in hours) | Total Annual Burden (in hours) | Avg. Hourly Wage Rate* | Total Annual Respondent Cost |
| State, Local or Tribal Government | OPSG Operations Order Report / FEMA Form 089-16 | 39 | 1 | 39 | 570 hrs. | 22,230 | \$37.80 | \$840,294.00 |
| State, Local or Tribal Government | Operations Order Prioritization / FEMA Form 089-20 | 39 | 1 | 39 | 72 hrs. | 2,808 | \$37.80 | \$106,142.40 |
| Total | | 39 | | 78 | | 25,038 | | \$946,436.40 |

Note: The "Avg. Hourly Wage Rate" for each respondent includes a 1.4 multiplier to reflect a fully-loaded wage rate.

According to the U.S. Department of Labor, Bureau of Labor Statistics Website (www.bls.gov) the wage rate for Local Representatives is estimated to be \$27 per hour, with the addition of the 1.4 multiplier, the total wage rate is \$37.80 for completing and submitting the FEMA grant information to FEMA for review and approval. Therefore, the estimated total burden hour cost to State and Local Representatives is estimated to \$946,436.40 annually.

The Standard Forms listed in the table below are used in FEMA administration of grant programs collections of information. These burden estimates are captured under the OMB government-wide collections of information for Standard Forms (SF). Other data collection activities approved by OMB are also identified in the table below.

| Type of Respondent | Form Name / Form Number | No. of Respondents | No. of Responses per Respondent | Total No. of Responses | Avg. Burden per Response (in hours) | Total Annual Burden (in hours) | Avg. Hourly Wage Rate* | Total Annual Respondent Cost |
|---------------------------------------|--|--------------------|---------------------------------|------------------------|-------------------------------------|--------------------------------|------------------------|------------------------------|
| Operation Stonegarden (OPSG) (97.067) | | | | | | | | |
| State, Local or Tribal Government | Application for Federal Assistance / SF 424 | 39 | 1 | 39 | 0.75 | 29 | | |
| State, Local or Tribal Government | Budget Information - Non-Construction Programs / SF 424A | 39 | 1 | 39 | 3 | 117 | | |
| State, Local or Tribal Government | Assurances - Non-Construction Programs / SF 424B | 39 | 1 | 39 | 0.25 | 10 | | |
| State, Local or Tribal Government | Budget Information - Construction Programs / SF 424C | 39 | 1 | 39 | 3 | 117 | | |
| State, Local or Tribal Government | Assurances - Construction Programs / SF 424D | 39 | 1 | 39 | 0.25 | 10 | | |
| State, Local or Tribal Government | Disclosure of Lobbying Activities / SF LLL | 39 | 1 | 39 | 0.167 | 7 | | |
| State, Local or Tribal Government | Direct Deposit Sign-Up Form / SF 1199A | 39 | 1 | 39 | 0.167 | 7 | | |

| | | | | | | | | |
|---|---|----|---|------------|-----|------------|--|--|
| State, Local or Tribal Government | Federal Financial Report / SF 425 | 39 | 4 | 156 | 1.5 | 234 | | |
| State, Local or Tribal Government | Financial Status Report / Standard Form 269 | 39 | 4 | 156 | 0.5 | 78 | | |
| Total | | | | 585 | | 608 | | |
| Other Departments/ Agencies Data Collection Activities | | | | | | | | |
| State, Local or Tribal Government | Initial Strategy Implementation Plan (ISIP) / No Form; FEMA OMB Number 1660-0117 | 39 | 1 | 39 | | | | |
| State, Local or Tribal Government | Biannual Strategy Implementation Report (BSIR) / No Form; FEMA OMB Number 1660-0117 | 39 | 2 | 78 | | | | |
| State, Local or Tribal Government | Preparedness Comprehensive Assessment Support Tool (PrepCAST) formerly known as the National Incident Management System Compliance Assistance Support Tool (NIMSCAST) / No Form Number; FEMA OMB Number 1660-0087 | 39 | 1 | 39 | | | | |
| State, Local or Tribal Government | EHP - Environmental Screening Form / FEMA Form 024-0-1; FEMA OMB Number 1660-0115 | 39 | 1 | 39 | | | | |
| Total | | | | 195 | | | | |

13. Provide an estimate of the total annual cost burden to respondents or recordkeepers resulting from the collection of information. The cost of purchasing or contracting out information collection services should be a part of this cost burden estimate. (Do not include the cost of any hour burden shown in Items 12 and 14.)

The cost estimates should be split into two components:

a. Operation and Maintenance and purchase of services component. These estimates should take into account cost associated with generating, maintaining, and disclosing or providing information. Include descriptions of methods used to estimate major cost factors including system and technology acquisition, expected useful life of capital equipment, the discount rate(s), and the time period over which costs will be incurred.

b. Capital and Start-up-Cost should include, among other items, preparations for collecting information such as purchasing computers and software, monitoring sampling, drilling and testing equipment, and record storage facilities.

There are no record keeping, capital, start-up or maintenance costs associated with this information collection.

14. Provide estimates of annualized cost to the federal government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing and support staff), and any other expense that would have been incurred without this collection of information. You may also aggregate cost estimates for Items 12, 13, and 14 in a single table.

The total cost to FEMA is \$388,618.70. Approximately 15 staff members with an estimated grade level of GS-13 review and analyze the information collected by this program.

Annual Cost to the Federal Government

| Item | Cost (\$) |
|--|------------------|
| Contract Costs There are 2 contracts that support this effort: The Technical Assistance and Program Development Contract and the Grant Operations Support Contract. These contracts support the development of the programs & provide guidance/assistance to grantees, collect & review information, and the cost for these contracts are: Technical Assistance and Program Development: \$119,192.00 Grant Operations Support: \$86,880.00 Total: \$206,072.00 | \$206,072.00 |
| Staff Salaries [15 GS-13, step 1 employees spending approximately 10% of time annually for this administrative and financial data collection] =15 x \$86,927 = \$1,303,905 x 1.4 = \$1,825,467 x .10 = \$182,546.70 | \$182,546.70 |
| Facilities [cost for renting, overhead, etc. for data collection activity] | |
| Computer Hardware and Software [cost of equipment annual lifecycle] | |
| Equipment Maintenance [cost of annual maintenance/service agreements for equipment] | |

| | |
|--|---------------------|
| Travel | |
| Printing [number of data collection instruments annually] | |
| Postage [annual number of data collection instruments x postage] | |
| Other | |
| Total | \$388,618.70 |

Note: The "Avg. Hourly Wage Rate" for each respondent includes a 1.4 multiplier to reflect a fully-loaded wage rate.

15. Explain the reasons for any program changes or adjustments reported in Items 13 or 14 of the OMB Form 83-I in a narrative form. Present the itemized changes in hour burden and cost burden according to program changes or adjustments in Table 5. Denote a program increase as a positive number, and a program decrease as a negative number.

A "**Program increase**" is an additional burden resulting from a Federal government regulatory action or directive. (e.g., an increase in sample size or coverage, amount of information, reporting frequency, or expanded use of an existing form). This also includes previously in-use and unapproved information collections discovered during the ICB process, or during the fiscal year, which will be in use during the next fiscal year.

| Itemized Changes in Annual Burden Hours | | | | | | |
|--|--|-----------------------------|-------------------|--|-------------------------|-------------------|
| Data collection Activity/Instrument | Program Change (hours currently on OMB Inventory) | Program Change (New) | Difference | Adjustment (hours currently on OMB Inventory) | Adjustment (New) | Difference |
| OPSG Operations Order Report / FEMA Form 089-16 | | | | 22,230 | 22,230 | 0 |
| Operations Order Prioritization / FEMA Form 089-20 | | | | 2,808 | 2,808 | 0 |
| Total(s) | | | | 25,038 | 25,038 | 0 |

A "**Program decrease**", is a reduction in burden because of: (1) the discontinuation of an information collection; or (2) a change in an existing information collection by a Federal agency (e.g., the use of sampling (or smaller samples), a decrease in the amount of information requested (fewer questions), or a decrease in reporting frequency).

Explain:

There are no changes to the annual hour burden previously reported and there has been no change to the information being collected.

| Itemized Changes in Annual Cost Burden | | | | | | |
|---|---|-----------------------------|-------------------|---|-------------------------|-------------------|
| Data collection Activity/Instrument | Program Change (cost currently on OMB Inventory) | Program Change (New) | Difference | Adjustment (cost currently on OMB Inventory) | Adjustment (New) | Difference |

| | | | | | | |
|---|--|--|--|---------------------|------------|-----------------------|
| OPSG Operations Order Report / FEMA Form 089-16 | | | | \$840,294.00 | \$0 | -\$840,294.00 |
| Operations Order Prioritization / FEMA Form 089-20 | | | | \$106,142.40 | \$0 | -\$106,142.40 |
| Total(s) | | | | \$946,436.40 | \$0 | - \$946,436.40 |

Explain:

There is no change in the cost from the last submission; however the way cost is reported in this table is now changed as it comes from question 13 which has values of zero. Therefore, negative costs are now reflected to account for a change in how cost was previously recorded.

16. For collections of information whose results will be published, outline plans for tabulation and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection of information, completion of report, publication dates, and other actions.

FEMA does not intend to employ the use of statistics or the publication thereof for this information collection.

17. If seeking approval not to display the expiration date for OMB approval of the information collection, explain reasons that display would be inappropriate.

FEMA will display the expiration date for OMB approval of this information collection.

18. Explain each exception to the certification statement identified in Item 19 “Certification for Paperwork Reduction Act Submissions,” of OMB Form 83-I.

FEMA does not request an exception to the certification of this information collection.

B. Collections of Information Employing Statistical Methods.

There is no statistical methodology involved in this collection.