SUPPORTING STATEMENT A FOR PAPERWORK REDUCTION ACT SUBMISSION

Generic Clearance for Improving Customer Experience

(OMB Circular A-11, Section 280 Implementation)

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a hard copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information, or you may provide a valid URL link or paste the applicable section. Specify the review type of the collection (new, revision, extension, reinstatement with change, reinstatement without change). If revised, briefly specify the changes. If a rulemaking is involved, make note of the sections or changed sections, if applicable.

On September 11, 1993, Executive Order 12862, "Setting Customer Service Standards" was issued. This Executive Order expressed the vision that Federal agencies will put the people first. Executive Order 12862 directs Federal agencies to provide service to the public that matches or exceeds the best service available in the private sector. Section 1(b) of Executive Order 12862 requires government agencies to "survey customers to determine the kind and quality of services they want and their level of satisfaction with existing services" and Section 1(e) requires agencies "survey front-line employees on barriers to, and ideas for, matching the best in business."

On March 30, 2016, the Core Federal Services Council was established. The Council emphasized the need to deliver world-class customer service to the American people. The Council, composed of the major high-volume, high-impact Federal programs that provide transactional services directly to the public, were encouraged "to improve the customer experience by using public and private sector management best practices, such as conducting self-assessments and journey mapping, collecting transactional feedback data, and sharing such data with frontline and other staff."

In March 2018, the President's Management Agenda (PMA) and new Cross-Agency Priority (CAP) Goals were launched. Excellent service was established as a core component of the mission, service, and stewardship model that frames the entire PMA, embedding a customer-focused approach in all of the PMA's initiatives. This model was also included in the 2018 update of the Federal Performance Framework in Circular A-11, ensuring 'excellent service' as a focus in future agency strategic planning efforts. The PMA included a CAP Goal on Improving Customer Experience with Federal Services, with a primary strategy to drive improvements within 25 of the nation's highest impact programs. This effort is supported by an interagency team and guidance in Circular A-11 requiring the collection of customer feedback data and increasing the use of industry best practices to conduct customer research.

From 2021-2023, Executive Order 14058, *Transforming Customer Experience and Service Delivery to Rebuild Trust in Government*, Memorandum M-22-10, *Improving*

Access to Public Benefits Program Through the Paperwork Reduction Act, and an OIRA Memorandum titled Strategies for Reducing Administrative Burden in Public Benefit and Service Programs were issued. The Executive Order and memoranda, taken as a whole, direct agencies to take specific actions to improve customer experience and enhance public participation and community engagement. Furthermore, the President's Management Agenda contains a Priority titled Delivering Excellent, Equitable, and Secure Federal Services and Customer Experience, which, among other things, seeks to improve the service design, digital products, and customer-experience management of Federal agencies by reducing customer burden, addressing inequities, and streamlining processes.

These Presidential actions and requirements establish an ongoing process of collecting customer insights and using them to improve services. This new request will enable the National Science Foundation (NSF) to act in accordance with OMB Circular A-11 Section 280, and Executive Order 14058, and OMB memoranda on burden reduction, to ultimately transform the experience of its customers to improve both efficiency and mission delivery, and increase accountability by communicating about these efforts with the public.

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.

NSF will collect, analyze, and interpret information gathered through this generic clearance to identify services' accessibility, navigation, and use by customers, and make improvements in service delivery based on customer insights gathered through developing an understanding of the user experience interacting with Government.

For the purposes of this request, "customers" are individuals, businesses, and organizations that interact with a Federal Government agency or program, either directly or via a Federal contractor.

"Service delivery" or "services" refers to the multitude of diverse interactions between a customer and Federal agency such as applying for a benefit or loan, receiving a service such as healthcare or small business counseling, requesting a document such as a passport or social security card, complying with a rule or regulation such as filing taxes or declaring goods, utilizing resources such as a park or historical site, or seeking information such as public health or consumer protection notices.

Under this request, three types of activities will be conducted to generate customer insights:

Customer Research (E.g., User Persona and Journey Map Development): A critical first component of understanding customer experience is to develop customer personas and journey maps. This process enables NSF to more deeply understand the customer segments they serve and to organize the processes customers interact with throughout their engagement with the Federal entity to accomplish a task or meet a need. In order to adequately capture the perspective of the customer and the barriers or supports that exist

as they navigate these journeys, it is necessary to directly interact with customers rather than relying solely upon NSF's stated policy of how a process should work or employees' interpretation of how services are delivered. This can occur through a variety of information collection mechanisms that include focus groups, individual intercept interviews at a service site, shadowing a user as they navigate a Federal service and documenting their reactions and frustrations, customer free-response comment cards, or informal small discussion groups.

Regardless of the format, NSF will apply Human-Centered Design (HCD) Discovery methods to generate personas and journey maps, ultimately identifying customer insights. An approach to recruiting participants, resources for preparing and structuring interviews, and a consent form for interviewees can be found at https://www.gsa.gov/cdnstatic/HCD-Discovery-Guide-Interagency-v12-1.pdf. This document is also included in the package.

Insights documented, summarized and presented in customer personas and journey maps can then be shared across the program, NSF, other Federal, State, and Local government stakeholders and even with the public to validate and discuss common themes identified. These products can be used as "indicator lights" for where more rigorous qualitative and quantitative research can be conducted to improve Federal service delivery.

Publicly shared personas and journey maps will include language that qualifies their use (see question #16), and high-level, non-identifying descriptive statistics of the population(s) interviewed to develop it (ex. "25 Service members that transitioned to civilian employment within the last decade, 14 female, 11 male, 21 enlisted and 4 officers) to ensure that the perspective represented is understood. Quotes or insights will never be associated with an actual individual unless they have signed a release form (see link above for template) and this was included in the specific collection request.

Customer Feedback (Satisfaction Survey): Surveys to be considered under this generic clearance will only include those surveys modeled on the OMB Circular A-11 CX Feedback survey to improve customer service by collecting feedback at a specific point during a customer journey. This could include upon submitting a form online on a Federal website, speaking with a call center representative, paying off a loan, or visiting a Federal service center.

In an effort to develop comparable, government-wide scores that will enable crossagency or industry benchmarking (when relevant) and a general indication of an agency's overall customer satisfaction, High Impact Service providers must refer to OMB Circular A-11 Section 280 for required survey question wording and organization.

Agencies are to submit these surveys for approval under the OMB A-11 Section 280 Umbrella Clearance that can be established at the department level using the templates provided on CX MAX Community page. Individual collection requests under this clearance will be reviewed by a customer experience subject matter expert in an effort to further streamline the review of these types of collections.

In an effort to increase transparency to drive accountability, the feedback data collected through the A-11 standard feedback surveys are meant to be shared with the public. This collection is part of the government-wide effort to embed standardized customer metrics within high-impact programs to create government-wide performance dashboards. Data collected from the questions listed above will be submitted by NSF to OMB at a minimum quarterly for updating of customer experience dashboards on performance.gov. This dashboard will also include the total volume of customers that passed through the transaction point at which the survey was offered, the number of customers the survey was presented to, the number of responses, and the mode of presentation and response (online survey, in-person, post-call touchtone, mobile, email). This will help to qualify the data's representation by showing both the response rate and total number of actual responses.

User Testing of Services and Digital Products: Agencies should continually review, update and refine their service delivery, including communication materials, processes, supporting reference materials, and digital products associated with a Federal program. This often requires "field testing" program informational materials, process updates, forms, or digital products (such as websites or mobile applications) by interacting with past, existing, or future customers and soliciting feedback. These activities can include cognitive laboratory studies, such as those used to refine questions on a program form to ensure clarity, demo kiosks at a service center where customers can provide informal feedback while waiting for a service, or more formally scheduled in-person observation testing (e.g., website or software usability tests). These information collection activities are more specific than broad customer research and related to a particular artifact / product of a Federal program. As such, there will be a more structured interview / set of questions than more open-ended customer research. Findings from these activities are meant to support the design and implementation of Federal program services and digital products, and may only be shared in an anonymized / in aggregate if a particular insight is useful to include as part of a customer persona, journey map, or common lesson learned for improving service delivery.

NSF will only submit under this generic clearance if it meets the following conditions:

- The collections are voluntary;
- The collections are low-burden for respondents (based on considerations of total burden hours or burden-hours per respondent) and are low-cost for both the respondents and the Federal Government;
- The collections are non-controversial and do not raise issues of concern to other Federal agencies;
- Any collection is targeted to the solicitation of opinions from respondents who have experience with the program or may have experience with the program in the near future;
- Personally identifiable information (PII) is collected only to the extent necessary and is not retained;
- Information gathered is intended to be used for general service improvement and program management purposes

- The agency will follow the procedures specified in OMB Circular A-11 Section 280 for the required quarterly reporting to OMB of trust data and experience driver data from surveys.
- Outside of the quarterly reporting mentioned in the bullet immediately above, if the
 agency intends to release journey maps, user personas, reports, or other data-related
 summaries stemming from this collection, the agency must include appropriate caveats
 around those summaries, noting that conclusions should not be generalized beyond the
 sample, considering the sample size and response rates. The agency must submit the data
 summary itself (e.g., the report) and the caveat language mentioned above to OMB before
 it releases them outside the agency. OMB will engage in a passback process with the
 agency.

This clearance will help NSF to establish a process where customer experience is regularly monitored and measured. The results will assist NSF in the planning and decision-making processes to improve the quality of NSF's products and services.

Results from feedback activities and surveys will be used to measure against established baseline standards and for measuring the NSF's progress toward defined goals.

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

There are neither legal nor technical obstacles to the use of technology in these information collection activities. The determination to use technology, and which technology to use, will be based on the type of information collected and the utility and the availability of specific technology to each respondent in a proposed customer research activity or feedback survey .

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.

NSF will work to ensure the streamlining of all customer research and feedback surveys under this clearance. NSF also will work to reduce existing customer feedback surveys and questions into alignment with the A-11 Standard CX Feedback survey as part of a coordinated NSF-wide customer program. The information to be supplied on these surveys will not be duplicated on any other information collection.

5. If the collection of information impacts small businesses or other small entities, describe any methods used to minimize burden. A small entity may be (1) a small business which is deemed to be one that is independently owned and operated and that is not dominant in its field of operation; (2) a small organization that is any not-for-profit enterprise that is independently owned and operated and is not dominant in its field; or (3) a small

government jurisdiction, which is a government of a city, county, town, township, school district, or special district with a population of less than 50,000.

The information collected in these surveys will represent the minimum burden necessary to evaluate customer experience with NSF's programs and processes. NSF will minimize the burden on respondents by sampling as appropriate, asking for readily available information, and using short, easy-to-complete information collection instruments.

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

Without regular mechanisms for collecting and generating customer insights, NSF is not able to provide the public with the highest level of service. These activities will be coordinated to ensure that most individual respondents will not be asked to respond to more than one survey instrument per transaction or to participate in more than one qualitative feedback or testing activity.

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

- requiring respondents to report information to the agency more often than quarterly;
- requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it;
- requiring respondents to submit more than an original and two copies of any document;
- requiring respondents to retain records, other than health, medical, government contract, grant-in-aid, or tax records for more than three years;
- in connection with a statistical survey, that is not designed to produce valid and reliable results than can be generalized to the universe of study;
- requiring the use of a statistical data classification that has not been reviewed and approved by OMB;
- 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 that unnecessarily impedes sharing of data with other agencies for compatible confidential use; or
- requiring respondents to submit proprietary trade secrets, 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.

These surveys will be consistent with all the guidelines in 5 CFR 1320.5, especially those provisions in subsection (g) which require that a statistical survey be designed to produce results that can be generalized to the universe of study. There are no special circumstances that would cause this information collection to be conducted in an unusual

or intrusive manner. All participation will be voluntary. Should the Agency need to deviate from the requirements outlined in 5 CFR 1320, individual justification will be provided to OMB on a case-by-case basis.

8. As applicable, state that the Department has published the 60 and 30 Federal Register notices as required by 5 CFR 1320.8(d), 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.

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

Consultation with representatives of those from whom information is to be obtained or those who must compile records should occur at least once every 3 years — even if the collection of information activity is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

The 60-day public comment notice was published in the Federal Register June 12, 2023, at 88 FR 38105, and no comments were received.

This is the request for the 30-day federal register notice soliciting public comment on the information collections prior to submission to OMB.

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

The standard will be no payment or gift to respondents for participation. If any payments are proposed, NSF will submit specific justification for each proposed use as part of the completed package submitted to OMB.

10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance in statute, regulation, or agency policy. If personally identifiable information (PII) is being collected, a Privacy Act statement should be included on the instrument. Please provide a citation for the Systems of Record Notice and the date a Privacy Impact Assessment was completed as indicated on the IC Data Form. A confidentiality statement with a legal citation that authorizes the pledge of confidentiality should be provided. If the collection is subject to the Privacy Act, the Privacy Act statement is deemed sufficient with

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¹ Requests for this information are in accordance with the following ED and OMB policies: Privacy Act of 1974, OMB Circular A-108 – Privacy Act Implementation – Guidelines and Responsibilities, OMB Circular A-130 Appendix I – Federal Agency Responsibilities for Maintaining Records About Individuals, OMB M-03-22 – OMB Guidance for Implementing the Privacy Provisions of the E-Government Act of 2002, OMB M-06-15 – Safeguarding Personally Identifiable Information, OM:6-104 – Privacy Act of 1974 (Collection, Use and Protection of Personally Identifiable Information)

respect to confidentiality. If there is no expectation of confidentiality, simply state that the Department makes no pledge about the confidentially of the data.

Activity and survey instructions will provide all necessary assurances of confidentiality to the respondents. Although there is no requirement for such an assurance in statute, the quality of this type of information requires respondent candor and anonymity.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private. The 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.

In general, NSF's generic clearances under this OMB control number will not contain any questions of a sensitive nature. If NSF wishes to include a question of a sensitive nature for a specific Gen IC, it must articulate a business need for that question in its clearance request for OMB to review.

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

- Indicate the number of respondents by affected public type (federal government, individuals or households, private sector businesses or other for-profit, private sector not-for-profit institutions, farms, state, local or tribal governments), frequency of response, annual hour burden, and an explanation of how the burden was estimated, including identification of burden type: recordkeeping, reporting or third party disclosure. All narrative should be included in item 12. 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 desirable. 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.
- If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens in the ROCIS IC Burden Analysis Table. (The table should at minimum include Respondent types, IC activity, Respondent and Responses, Hours/Response, and Total Hours)
- Provide estimates of annualized cost to respondents of the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included in Item 14.

A variety of instruments and platforms will be used to collect information from respondents. The annual burden hours requested (300,000) are based on the number of collections we expect to conduct over the requested period for this clearance.

Customer Research: The respondent burden averages from five (5) minutes to one hundred and twenty (120) minutes for interviews or focus groups, dependent on the individual activity. This estimation has been based on previous customer research activities conducted by Federal customer experience teams.

NSF estimates that across all sub-components and services, there will be up to 500 individual interviews averaging 30 minutes each.

This clearance estimates that each member of a focus group is expected to spend an average of 1.5 hours per group. NSF estimates that there will be 15 segmented focus groups held each year with an average of thirty participants per group for an average of 450 participants.

Customer Feedback (Satisfaction Survey): Industry best practice is to present every customer the opportunity to provide feedback at each instrumented touchpoint/transaction in a customer journey (ex. After submitting an application, completing a call at a call center, or visiting an in-person service center). NSF will specify the total possible number of respondents based on estimated annual volume, but this information collection sets a ceiling estimate of 2,000,000 annually.

Testing of Services and Digital Products: Simple user testing (15 minutes or less) can be useful for a variety of digital product and service initiatives across NSF (ex. basic website design updates, communications revisions). Expecting each instance to have on average of 20 users, and 20 services/products tested each year, this clearance expects 400 respondents.

Additionally, more extensive cognitive laboratory or in-person observations can occur for newly launched products (such as mobile applications or re-designs of process steps) requiring an average of 30 minutes per respondent. Expecting each instance to have an average of 20 users, and 10 new services/products tested each year across the Agency, this adds 200 respondents to the clearance.

NSF will keep track of the above activities in order to accurately update burden calculations year to year.

Type of Information Collection	Number of Respondents	Number of responses per respondent	Hours per response	Total Burden hours
Customer Interviews	500	1	30/60	250
Focus Groups	450	1	90/60	675
Feedback Survey	2,000,000	1	3/60	100,000
User Testing (Rapid Feedback)	400	1	15/60	100
User Testing (Deep Dive)	200	1	30/60	100

Total	2,001,550	na	na	101,125
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- 13. Provide an estimate of the total annual cost burden to respondents or record keepers resulting from the collection of information. (Do not include the cost of any hour burden shown in Items 12 and 14.)
 - The cost estimate should be split into two components: (a) a total capital and start-up cost component (annualized over its expected useful life); and (b) a total operation and maintenance and purchase of services component. The estimates should take into account costs associated with generating, maintaining, and disclosing or providing the 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. Capital and start-up costs include, among other items, preparations for collecting information such as purchasing computers and software; monitoring, sampling, drilling and testing equipment; and acquiring and maintaining record storage facilities.
 - If cost estimates are expected to vary widely, agencies should present ranges of cost burdens and explain the reasons for the variance. The cost of contracting out information collection services should be a part of this cost burden estimate. In developing cost burden estimates, agencies may consult with a sample of respondents (fewer than 10), utilize the 60-day pre-OMB submission public comment process and use existing economic or regulatory impact analysis associated with the rulemaking containing the information collection, as appropriate.
 - Generally, estimates should not include purchases of equipment or services, or portions thereof, made: (1) prior to October 1, 1995, (2) to achieve regulatory compliance with requirements not associated with the information collection, (3) for reasons other than to provide information or keep records for the government or (4) as part of customary and usual business or private practices. Also, these estimates should not include the hourly costs (i.e., the monetization of the hours) captured above in Item 12

No costs for respondents are anticipated.

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 not have been incurred without this collection of information. Agencies also may aggregate cost estimates from Items 12, 13, and 14 in a single table.

NSF may incur costs in setting up focus group, small discussion, or testing environments to include such things as hiring contractors, facilitators or moderators, travel to customer sample locations, renting meeting space, in providing remuneration, etc. Costs will be determined on an individual project basis and will be included in the ICR provided to OMB for each project to be conducted.

15. Explain the reasons for any program changes or adjustments. Generally, adjustments in burden result from re-estimating burden and/or from economic phenomenon outside of an agency's control (e.g., correcting a burden estimate or an organic increase in the size of the reporting universe). Program changes result from a deliberate action that materially changes a collection of information and generally are result of new statute or an agency action (e.g., changing a form, revising regulations, redefining the respondent universe, etc.). Burden changes should be disaggregated by type of change (i.e., adjustment, program change due to new statute, and/or program change due to agency discretion), type of collection (new, revision, extension, reinstatement with change, reinstatement without change) and include totals for changes in burden hours, responses and costs (if applicable).

N/A

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.

No attempt will be made to generalize the findings from these three groups of activities to be nationally representative or statistically valid. They are meant to compliment and help to contextualize performance and evaluation data as part of a three-pronged approach to understanding Federal program implementation and opportunities for improvement (Performance, Evaluation, and "Feedback" data²).

Customer Research: Insights gleaned from qualitative customer research may be presented publicly in the format of a conceptual user persona or customer journey map. Customer research can take anywhere from 6 weeks for a short sprint to a full fiscal year, depending on the specific project. NSF expects most journey mapping efforts to last approximately 6 months, with a user persona and journey maps ready for feedback (both from internal and external to government stakeholders) within one month of completing customer research.

Publicly available Journey maps will include specific language to contextualize their use and will be included in specific requests. This language can include something like:

What should I know about journey maps?

Journey maps are living documents—continually refined and revisited. There is never a "final" version, and these maps are meant to serve as a summary of the voices of actual customers of U.S. Government services. A map may not precisely document the way a Government program is meant to be navigated, accessed, or used. It might not capture every government program or resource available to a customer segment. However, it is the product of a qualitative research approach to gather insights from customers' actual experiences. These findings can help us to identify areas for high-impact improvements across delivery channels and organizational silos.

https://ssir.org/articles/entry/time_for_a_three_legged_measurement_stool

Customer Feedback: Once touchpoint surveys are implemented at transaction points along the customer journey interacting with Federal services, data from the A-11 Standard CX Feedback survey will be submitted to OMB quarterly for review and publication in a summary dashboard on performance.gov.

This data will include:

- Specific transaction point at which the survey was administered
- Total volume of customers that interacted at this transaction point during the given quarter
- Total volume of customers that were presented the survey
- Total number of customers who completed the survey
- Mode(s) of collection (ex. online, over mobile, over the phone, paper form)
- Specific survey instrument that shows the Agency's wording of standard A-11 CX Feedback survey

The purpose of collecting volume and response numbers is to share customer feedback measures in context of the response rate and total volume of responses to qualify interpretation of the CX feedback data.

Testing of Services and Digital Products: Similar to Customer Research, this can range from a short two-day rapid feedback from users within an Agile product development sprint or longer effort to gather more extensive feedback from multiple physical locations.

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

NSF will include the OMB Control Number and collection expiration date at any qualitative feedback or testing activity and on each survey.

18. Explain each exception to the certification statement identified in the Certification of Paperwork Reduction Act.

NSF is not requesting an exception to the certification statement identified in Item 20, "Certification for Paperwork Reduction Act Submissions," of OMB Form 83-I.