NASA Grant and Cooperative Agreement

Assistance Listings Number: 43.008

1. FEDERAL AWARD IDENTIFICATION NO.
   NNX15AK06H

2. SUPPLEMENT NUMBER
   S010

3. PERIOD OF PERFORMANCE
   05/01/2015 - 05/15/2022

4. RECIPIENT
   NAME/ADDRESS (No., Street, City/County, State, Zip)
   Pennsylvania State University, The
   201 Old Main
   University Park PA 16802-1503

5. AWARDING ORGANIZATION
   NAME/ADDRESS (No., Street, City/County, State, Zip)
   NASA Shared Services Center (NSSC)
   Bldg. 1111, Jerry Hlass Road
   Stennis Space Center MS 39529-0001

6. EMPLOYER IDENTIFICATION NO. (EIN)
   003403953

8. PRINCIPAL INVESTIGATOR/STUDENT/ORGANIZATION’S PROJECT OR PROGRAM MGR.
   (Name, Email & Phone)
   Christopher House
   chouse@geosc.psu.edu
   814-865-8802

9. PROPOSAL NO., TITLE, AND PROJECT DESCRIPTION
   19-SGCFPTG-0043
   The Pennsylvania Space Grant Consortium

10A. AMOUNT OF AWARD
     PREVIOUS $3,615,000.00
     THIS ACTION $3,615,000.00
     TOTAL $3,615,000.00

10B. FUNDS OBLIGATED
     PREVIOUS $3,615,000.00
     THIS ACTION $3,615,000.00
     TOTAL $3,615,000.00

11. NASA ACCOUNTING AND APPROPRIATION DATA
    N/A
    PR NUMBER N/A

13. NASA POINTS OF CONTACT
    REQUIRING CENTER: NASA/Headquarters
    NAME MAIL STOP TELEPHONE E-MAIL ADDRESS
    TECHNICAL OFFICER Erica J. Alston 33 757-864-7247 hq-space-grant@mail.nasa.gov
    NEGOTIATOR
    ADMINISTRATOR James Hibbs 877-677-2123 NSSC-Contactcenter@mail.nasa.gov
    PAYMENTS NSSC Contact Center XD010 877-677-2123 NSSC-Contactcenter@mail.nasa.gov

14. THIS AWARD IS MADE UNDER THE AUTHORITY OF 51 U.S.C. 20113 (e) AND IS SUBJECT TO ALL
    APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES IN EFFECT ON THE DATE OF THIS
    AWARD, INCLUDING, BUT NOT LIMITED TO:

15. APPLICABLE STATEMENT(S), IF CHECKED:
    NO CHANGE IS MADE TO EXISTING TERMS AND CONDITIONS
    R&D TERMS AND CONDITIONS AND NASA AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT

16. APPLICABLE ENCLOSURE(S), IF CHECKED:
    TERMS AND CONDITIONS
    REQUIRED PUBLICATIONS AND REPORTS

NASA Form 1687 09/20 (3.3)
PREVIOUS EDITIONS ARE OBSOLETE
REPLACES NF1687A WHICH IS OBSOLETE.
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**NASA Grant and Cooperative Agreement**

**Assistance Listings Number:** 43.008

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**RECIPIENT**

- A recipient indicates acceptance of an award and its associated terms and conditions by drawing or requesting funds from the designated NASA payment system or office.

- Recipient is required to sign this document and return to the awarding organization.

---

**NAME OF GRANT OFFICER**

- Valerie Ballard

**NAME AND TITLE OF AUTHORIZED REPRESENTATIVE**

- (Type or print)

**SIGNATURE**

- Valerie Ballard

**DATE**

- 04/15/2021

**SIGNATURE**

- Digitally signed by Valerie Ballard

**DATE**

- 2021.04.15 11:12:48 -05'00'
This supplement is hereby issued to provide a 12-month no-cost extension and to provide administrative changes. The new completion date for this award is 5/15/2022.

Accordingly:

### AWARD TERMS AND CONDITIONS

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Restrictions on Funding Activities with China

(a) Pursuant to The Department of Defense and Full-Year Appropriation Act, Public Law 112-10, Section 1340(a); The Consolidated and Further Continuing Appropriation Act of 2012, Public Law 112-55, Section 539; and future-year appropriations (hereinafter, "the Acts"), NASA is restricted from using funds appropriated in the Acts to enter into or fund any grant or cooperative agreement of any kind to participate, collaborate, or coordinate bilaterally with China or any Chinese-owned company, at the prime recipient level or at any subrecipient level, whether the bilateral involvement is funded or performed under a no-exchange of funds arrangement.

(b) Definition: "China or Chinese-owned Company" means the People's Republic of China, any company owned by the People's Republic of China, or any company incorporated under the laws of the People's Republic of China.

(c) The restrictions in the Acts do not apply to commercial items of supply needed to perform a grant or cooperative agreement.

(d) Subaward - The recipient shall include the substance of this provision in all subawards made hereunder.

[End of Provision]

Personal Identity Verification of Recipient Personnel (Dec 2014)


(b) The Recipient shall account for all forms of Government-provided identification issued to the Recipient employees in connection with performance under this contract. The Recipient shall return such identification to the issuing agency at the earliest of any of the following, unless otherwise determined by the Government:

(1) When no longer needed for grant performance.
(2) Upon completion of the Recipient’s employee’s employment.
(3) Upon grant completion or termination.

(c) The Grant Officer may delay final payment under a grant if the Recipient fails to comply with these requirements.

(d) The Recipient shall insert the substance of this clause, including this paragraph (d), in all subcontracts or subagreements when their employees are required to have routine physical access.
to a Federally-controlled facility and/or routine access to a Federally-controlled information system. It shall be the responsibility of the Recipient to return such identification to the issuing agency in accordance with the terms set forth in paragraph (b) of this section, unless otherwise approved in writing by the Grant Officer.

[End of Provision]

Recipient Integrity and Performance Matters (January 2016)

A. General Reporting Requirement

If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds $10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings described in paragraph 2 of this award term and condition. This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.

2. Proceedings About Which You Must Report

Submit the information required about each proceeding that:
   a. Is in connection with the award or performance of a grant, cooperative agreement, or procurement contract from the Federal Government;
   b. Reached its final disposition during the most recent five year period; and
   c. Is one of the following:
      (1) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;
      (2) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of $5,000 or more;
      (3) An administrative proceeding, as defined in paragraph 5 of this award term and condition, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of $5,000 or more or reimbursement, restitution, or damages in excess of $100,000; or
      (4) Any other criminal, civil, or administrative proceeding if:
         i. It could have led to an outcome described in paragraph 2.c.(1), (2), or (3) of this award term and condition;
         ii. It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and
         iii. The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.

3. Reporting Procedures

Enter in the SAM Entity Management area the information that SAM requires about each proceeding described in paragraph 2 of this award term and condition. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM because you were required to do so under Federal procurement
contracts that you were awarded.

4. Reporting Frequency

During any period of time when you are subject to the requirement in paragraph 1 of this award term and condition, you must report proceedings information through SAM for the most recent five year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have Federal contract, grant, and cooperative agreement awards with a cumulative total value greater than $10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.

5. Definitions

For purposes of this award term and condition:

a. Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.

b. Conviction, for purposes of this award term and condition, means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.

c. Total value of currently active grants, cooperative agreements, and procurement contracts includes—
   (1) Only the Federal share of the funding under any Federal award with a recipient cost share or match; and
   (2) The value of all expected funding increments under a Federal award and options, even if not yet exercised.

[End of Provision]

Micro-purchase Threshold (Nov 2020)

Micro-purchase Threshold. The non-Federal entity must use one of the methods of procurement as prescribed in 2 CFR 200.320, Methods of procurement to be followed. As defined in 2 CFR 200.1, Definitions, the micro-purchase threshold for acquisitions of supplies or services made under grant and cooperative agreement awards is —
   (i) $10,000; or
   (ii) As defined by FAR 2.101 Definitions, or
   (iii) Such higher threshold as determined appropriate and in accordance with 2 CFR 200.320(a)(1)(iv) and (a)(1)(v).

[End of Provision]

GCAM Appendix D 25 Period of Performance, Budget Period, and Multiple Year Awards (Nov 2020)
Period of Performance
This award’s total period of performance is 05/01/2015 - 05/15/2022. This period of performance does not commit NASA to fund the award beyond the currently approved budget period stated below.

Budget Period
This award’s budget period is 05/01/2015 - 05/15/2022. This budget period denotes the time interval of the funded portion of this award during which the recipient is authorized to expend the funds awarded, including any funds carried forward pursuant to 2 CFR 200.308, Revision of budget and program plans.

[End of Term and Condition]

GCAM Appendix D29 Designation of New Technology Representative and Patent Representative (Nov 2020)

(a) For purposes of administration of the term and condition entitled ‘‘New Technology,’’ or ‘‘Patent Rights’’ whichever is included, the following named representatives are hereby designated by the Grant Officer to administer such term and condition—

• New Technology Representative
• Patent Representative

(b) Reports of reportable items, and disclosure of subject inventions, interim reports, final reports, utilization reports, and other reports required by the term and condition, as well as any correspondence with respect to such matters, should be directed to the New Technology Representative, with notification to the Grant Officer, unless transmitted in response to correspondence or request from the Patent Representative. Inquires or requests regarding disposition of rights, election of rights, or related matters should be directed to the Patent Representative. This term and condition shall be included in any subaward/subcontract hereunder requiring a ‘‘New Technology’’ term and condition or ‘‘Patent Rights—Retention by the Contractor (Short Form)’’ term and condition unless otherwise authorized or directed by the Grant Officer. The respective responsibilities and authorities of the above named representatives are set forth in the Grants and Cooperative Agreement Manual.

[End of Term and Condition]

GCAM Appendix D35 Access to Research Results (Nov 2020)

ACCESS TO RESEARCH RESULTS

(a) This award is subject to the requirements of the, “NASA Plan: Increasing Access to the Results of Scientific Research,” which covers public access to digital scientific data and peer-reviewed publications. For purposes of this term and condition, the following definitions apply:

(1) Awardee: Any recipient of a NASA grant or cooperative agreement, its investigators, and subrecipient (subaward or contract as defined in 2 CFR 200.1, Definitions) at any level.

(2) Final Peer-Reviewed Manuscript: The final text version of a peer-reviewed article disclosing the results of scientific research which is authored or coauthored by the Awardee or funded, in whole or in part, with funds from a NASA award, that includes all modifications from the publishing peer review process, and all graphics and supplemental material prepared by the awardee.

(b) The recipient shall:
(1) Comply with their approved Data Management Plan submitted with its proposal, and as modified upon agreement by the recipient and NASA from time to time during the course of the period of performance.

(2) Ensure that any Final Peer-Reviewed Manuscript is submitted to the NASA-designated repository, currently the PubMed Central system at http://www.ncbi.nlm.nih.gov/pmc/. NASA’s instructions for completing the submission process are available at https://www.nasa.gov/open/researchaccess/pubspace. Ensure that the Final Peer-Reviewed Manuscript is submitted to PubMed Central within one year of completion of the peer review process.

(3) Ensure that any publisher's agreements entered into by an Awardee will allow for the Awardee to comply with these requirements including submission of Final Peer-Reviewed Manuscripts to the NASA-designated repository, as listed in paragraph (b)(2) of this term and condition, with sufficient rights to permit such repository to use such Final Peer-Reviewed Manuscript in its normal course, including rights to permit users to download XML and plain text formats.

(4) Hereby represent and warrant that Awardee has secured for recipient the right to submit the Final Peer-Reviewed Manuscript to the NASA designated repository for use as set forth herein.

(5) Include in annual and final reports a list of Final Peer-Reviewed Manuscripts covered by this term and condition.

[End of Term and Condition]

GCAM Appendix D 36 Restrictions on the Use of the NASA Seal, Insignia, Logotype, Program Identifiers, or Flags (Nov. 2020)

(a) In accordance with 14 CFR Part 1221, the NASA Seal, NASA Insignia, NASA Logotype, NASA Program Identifiers, and the NASA Flags are protected and shall be used exclusively to represent NASA, its programs, projects, functions, activities, or elements.

(b) The use of these devices by recipients shall be governed by the requirements and restrictions set forth at 14 CFR §§ 1221.109-113. Requests for use of these devices by recipients shall be subject to the prior written approval of the NASA Grant Officer in conjunction with the NASA Headquarters, Office of Communications.

(c) The use of these devices by recipients for any purpose other than as authorized by NASA regulations shall be prohibited. Their misuse shall be subject to the penalties authorized by statute, as set forth in 14 CFR §1221.115 and shall be reported as provided in 14 CFR §1221.116.

[End of Provision]

GCAM Appendix D 37. Prohibition on certain telecommunications and video surveillance services or equipment. (Nov 2020)

(a) Grant and cooperative agreement recipients and subrecipients are prohibited from obligating or expending grant funds to:

(1) Procure or obtain,

(2) Extend or renew a contract to procure or obtain; or

(3) Enter into contract (or extend or renew contract) to procure or obtain equipment, services, or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of
any system. As described in Pub. L. 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

i. For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

ii. Telecommunications or video surveillance services provided by such entities or using such equipment.

iii. Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise, connected to the government of a covered foreign country.

[End of Term and Condition]

**Reporting Requirements Regarding Sexual Harassment, Other Forms of Harassment, or Sexual Assault (April 9, 2020)**

(a) The Principal Investigator (PI) and any Co-Investigator(s) (Co-I) identified on a NASA award are in a position of trust. These individuals must comport themselves in a responsible and accountable manner during the award period of performance, whether at the recipient’s institution, on-line, or at locales such as field sites, facilities, or conferences/workshops. Above all, NASA wishes to assure the safety, integrity, and excellence of the programs and activities it funds.

(b) For purposes of this term and condition, the following definitions apply:

1. Administrative Leave/ Administrative Action: Any temporary/interim suspension or permanent removal of the PI or Co-I, or any administrative action imposed on the PI or Co-I by the recipient under organizational policies or codes of conduct, statutes, regulations, or executive orders, relating to activities, including but not limited to the following: teaching, advising, mentoring, research, management/administrative duties, or presence on campus.

2. Finding/Determination: The final disposition of a matter involving sexual harassment or other form of harassment under organizational policies and processes, to include the exhaustion of permissible appeals exercised by the PI or Co-I, or a conviction of a sexual offense in a criminal court of law.

3. Other Forms of Harassment: Non-gender or non-sex-based harassment of individuals protected under federal civil rights laws, as set forth in organizational policies or codes of conduct, statutes, regulations, or executive orders.

4. Sexual harassment: May include but is not limited to gender or sex-based harassment, unwelcome sexual attention, sexual coercion, or creating a hostile environment, as set forth in organizational policies or codes of conduct, statutes, regulations, or executive orders.

(3) The recipient is required to report to NASA:
(1) Any finding/determination regarding the PI or any Co-I\textsuperscript{1} that demonstrates a violation of the recipient’s policies or codes of conduct, relating to sexual harassment, other forms of harassment, or sexual assault; and/or

(2) If the PI or any Co-I is placed on administrative leave or if any administrative action has been imposed on the PI or any Co-I by the recipient relating to any finding/determination or an investigation of an alleged violation of the recipient’s policies or codes of conduct, statutes, regulations, or executive orders relating to sexual harassment, other forms of harassment, or sexual assault.\textsuperscript{2} Such reporting must be submitted by the Authorized Organizational Representative (AOR) to NASA’s Office of Diversity and Equal Opportunity at [https://missionstem.nasa.gov/term-condition-institutional-harassment-discr.html](https://missionstem.nasa.gov/term-condition-institutional-harassment-discr.html) within 10 business days from the date of the finding/determination, or the date of the placement of a PI or Co-I by the recipient on administrative leave or the imposition of an administrative action.\textsuperscript{3}

(4) Recipient agrees to insert the substance of this term and condition in any subaward/subcontract involving a co-investigator. Recipient will be responsible for ensuring that all reports, including those related to co-investigators, comply with this term and condition.

(5) Each report must include the following information:

- NASA Award Number;
- Name of PI or Co-I being reported;\textsuperscript{4}

*Type of Report:* Select one of the following:

- Finding/Determination that the reported individual has been found to have violated the recipient’s policies or codes of conduct, statutes, regulations, or executive orders relating to sexual harassment, other forms of harassment, or sexual assault; or
- Placement by the recipient of the reported individual on administrative leave or the imposition of any administrative action on the PI or any Co-I by the recipient relating to any finding/determination, or an investigation of an alleged violation of the recipient’s policies or codes of conduct, statutes, regulations, or executive orders relating to sexual harassment, other forms of harassment, or sexual assault.

The recipient must also provide:

- A description of the finding/determination and action(s) taken, if any; and/or
- The reason(s) for, and conditions of placement of the PI or any Co-I on administrative action or administrative leave.

The recipient, at any time, may propose a substitute investigator if it determines the PI or any Co-I may not be able to carry out the funded project or activity and/or abide by the award terms and conditions.

In reviewing the report, NASA will consider, at a minimum, the following factors:

a. The safety and security of personnel supported by the NASA award;
b. The overall impact to the NASA-funded activity;
c. The continued advancement of taxpayer-funded investments in science and scientists; and
d. Whether the recipient has taken appropriate action(s) to ensure the continuity of science and that continued progress under the funded project can be made.
(f) Upon receipt and review of the information provided in the report, NASA will consult with the AOR, or designee. Based on the results of this review and consultation, the Agency may, if necessary and in accordance with 2 CFR 200.338, assert its programmatic stewardship responsibilities and oversight authority to initiate the substitution or removal of the PI or any Co-I, reduce the award funding amount, or where neither of those previous options is available or adequate, to suspend or terminate the award. Other personnel supported by a NASA award must likewise remain in full compliance with the recipient’s policies or codes of conduct, statutes, regulations or executive orders relating to sexual harassment, other forms of harassment, or sexual assault. With regard to any personnel not in compliance, the recipient must make appropriate arrangements to ensure the safety and security of other award personnel and the continued progress of the funded project. Notification of these actions is not required under this term and condition.

Other personnel supported by a NASA award must likewise remain in full compliance with awardee policies or codes of conduct, statutes, regulations, or executive orders relating to sexual harassment, other forms of harassment, or sexual assault. With regard to any personnel not in compliance, the awardee must make appropriate arrangements to ensure the safety and security of other award personnel and the continued progress of the funded project. Notification of these actions is not required under this term and condition.

1 If a co-I is affiliated with a subrecipient organization, the AOR of the subrecipient must provide the requisite information directly to NASA and to the recipient. The subrecipient must act in accordance with Title 2 of the Code of Federal Regulations, Section 200.331, Requirements for Pass-Through Entities.

2 Recipient findings/determinations and placement of a PI or Co-I on administrative leave or the imposition of an administrative action must be conducted in accordance with organizational policies and processes. They also must be conducted in accordance with federal laws, regulations, and executive orders.

3 Such report must be provided regardless of whether the behavior leading to the finding/determination, or placement on administrative leave, or the imposition of an administrative action occurred while the PI or Co-I was carrying out award activities.

4 Other individuals involved in the matter must not be included in the report. In the rare circumstance that information regarding a PI or Co-I is subject to the Family Educational and Privacy Act, 20 U.S implementing regulations, 35 C.F.R. Part 99, the recipient shall comply with those requirements.

[End of Term and Condition]

A. NF 1687, Block 3, Period of Performance, is changed to “05/01/2015 - 05/15/2022”.
B. NF 1687, Block 13, Administrator is changed to “James Hibbs”.
C. Required Publications and Reports are updated. See Attached.
D. The following updates have been made to the Point of Contact Sheet: New Technology Office.
E. All other terms and conditions remain unchanged.
REQUIRED PUBLICATIONS AND REPORTS

NOTE - Reports are valuable to ensure that the NASA Grants and Cooperative Agreement program is efficient and effective. The recipients must keep such records and submit to the responsible NASA official or designee timely, complete, and accurate reports.

The recipient shall submit the publications and reports indicated below:

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<th>REPORT DUE/FREQUENCY</th>
<th>DISTRIBUTION</th>
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<tr>
<td>Quarterly Federal Cash Transactions Reports (SF 425) <em>(Required for all Grants and Cooperative except grants and agreements where invoicing is required per the terms and conditions of award)</em></td>
<td>Within 30 days following the end of each quarter of the Federal fiscal year. <em>(Ref. GCAM – Appendix D8)</em></td>
<td>HHS/PMS</td>
</tr>
<tr>
<td>Annual Inventory Report of Federally-Owned Property in Custody of the Recipient <em>(Required for all Grants and Cooperative Agreements, except when a commercial firm.)</em></td>
<td>No later than October 15 of each year. NOTE: Negative reports are not required. <em>(Ref. GCAM Appendix D9)</em></td>
<td>FMO, IPO</td>
</tr>
<tr>
<td>Progress Reports <em>(Required for all Grants and Cooperative Agreements; unless period of performance is less than one year.)</em></td>
<td>Annually, 60 days prior to the anniversary date of the grant/cooperative agreement (except final year). <em>(Ref. GCAM Appendix D3)</em></td>
<td>TO, GO, NTR</td>
</tr>
<tr>
<td>Disclosure of Subject Inventions/Reportable Items *(New Technology Report (NTR) <em>(Required for all Grants and Cooperative Agreements except for those issued solely to support education programs)</em></td>
<td>Within 2 months after inventor discloses it to recipient. <em>(Ref. GCAM Appendix D10, D28 and D29)</em></td>
<td>eNTR (<a href="http://invention.nasa.gov">http://invention.nasa.gov</a>)</td>
</tr>
<tr>
<td>Election of Title to a Subject Invention <em>(Required for all Grants and Cooperative Agreements)</em></td>
<td>Within 2 years of disclosure of a subject invention being elected, except in any case where publication, on sale or public use of publication, on sale or public use of</td>
<td>PO, TO, GO</td>
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the subject invention being elected has initiated the one-year statutory period wherein valid patent protection can still be obtained in the United States, at least 60 days prior to the end of the statutory period. *(Ref. GCAM Appendix D10 and D28)*

| X | Interim New Technology Summary Report (NTSR) (Required for all Grants and Cooperative Agreements except for those issued solely to support education programs) | Every 12 months from the date of the grant/cooperative agreement. *(Note: Negative reports are required.)* *(Ref. GCAM Appendix D10, D28 and D29)* eNTR (http://invention.nasa.gov) | GO, NTR |
| X | Notification of Decision to Forego Patent Protection (Required for all Grants and Cooperative Agreements) | As applicable, not less than 30 days before the expiration of the response period required by the relevant patent office. *(Ref. GCAM Appendix D10 and D28)* | PO, TO, GO |
| X | Utilization of Subject Invention/Reportable Items (Required for all Grants and Cooperative Agreements except for those issued solely to support education programs) | Every 12 months from the date a subject invention is elected. Note: Negative reports are required. *(Ref. GCAM Appendix D10 and D28)* | PO, TO, GO |
|  | Annual NASA Form 1018 Property in the Custody of Contractors (Required for all Grants and Cooperative Agreements with commercial organizations) | Due not later than October 15 of each year. Note: Negative reports are required. *(Ref. GCAM Appendix D30)* | FMO, IPO |

### FINAL REPORTS

<table>
<thead>
<tr>
<th>REPORT DUE</th>
<th>RECIPIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final New Technology Summary Report (NTSR) (Required for all Grants and Cooperative Agreements except for those issued solely to support education programs)</td>
<td>Within 120 days after the expiration date of the grant/cooperative agreement. <em>(Note: Negative reports are required.)</em> <em>(Ref. GCAM Appendix D10, Appendix D28 and Appendix D29)</em> eNTR (<a href="http://invention.nasa.gov">http://invention.nasa.gov</a>)</td>
</tr>
<tr>
<td>Properly Certified Final Federal Financial Report, SF 425 (Required for all Grants and Cooperative Agreements)</td>
<td>Within 120 days after the expiration date of the grant/cooperative agreement. <em>(Ref. GCAM Appendix D8)</em></td>
</tr>
<tr>
<td>Final Performance Report (e.g. Summary of Research / Education Activity Report) (Required for all Grants and</td>
<td>Within 120 days after the expiration date of the grant/cooperative agreement. <em>(Ref. GCAM Appendix D3)</em> For research related training program grants,</td>
</tr>
<tr>
<td>Cooperative Agreements</td>
<td>the summary of research report is completed by the Student.</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| **Final Inventory Report of Federally-Owned Property**  
(Required for all Grants and Cooperative Agreements, except those issued solely for education programs and grants and cooperative agreements with commercial organizations) | Within 120 days after the expiration date of the grant/cooperative agreement. *(Ref. GCAM Appendix D9)*  
CC, IPO, GO |
| **Final NASA Form 1018 NASA Property in the Custody of Contractors**  
(Required for Grants and Cooperative Agreements with for-profit organizations) | Within 120 days after the expiration of the grant or cooperative agreement. *(Ref. GCAM Appendix D30)*  
FMO, IPO |

*Grants and cooperative agreements with colleges, universities, nonprofit organizations, and small businesses will reference GCAM Appendix D8. Grants and cooperative agreements with large businesses will reference GCAM Appendix D23.*
HQ

POINTS OF CONTACT

Grants Officer
Attn: Grants Officer
NASA Shared Services Center
Procurement Office, Bldg. 1111
Stennis Space Center, MS 39529
NSSC-Grant-Report@mail.nasa.gov

Technical Officer
Attn: Technical Officer
NASA Headquarters
300 E Street SW
Washington, DC 20546
See NF1687, Section 13

Industrial Property Officer
Attn: Industrial Property Officer
NASA Goddard Space Flight Center
Mail Code: 273
Greenbelt, MD 20771
gsfc-05-grants-co-ops@mail.nasa.gov

Patent Counsel Office
Attn: Patent Counsel Office
NASA Headquarters
300 E Street SW, Suite: 9T11
Washington, DC 20546
Helen.M.Galus@nasa.gov

Health and Human Services
Payment Management System (For SF 425s)
Attn: Division of Payment Management
P. O. Box 6021
Rockville, MD 20852
https://pms.psc.gov/

Financial Management Office
(For commercial grants - invoices)
Attn: FMD-Accounts Payable
NASA Shared Services Center
Building 1111, Jerry Hlass Road
Stennis Space Center, MS 39529
NSSC-AccountsPayable@mail.nasa.gov
Phone Number: 877-677-2123 (877-NSSC123)
Fax Number: 866-779-6772

Financial Management Office (For inquiries)
Attn: FMD-Grants
NASA Shared Services Center
Building 1111, Jerry Hlass Road
Stennis Space Center, MS 39529
NSSC-ContactCenter@mail.nasa.gov
Phone Number: 877-677-2123 (877-NSSC123)
Fax Number: 866-779-6772

Financial Management Office (For Annual and
Final Inventory Reports of Federally-Owned
Property)
Attn: Financial Management Office
NASA Goddard Space Flight Center
Mail Code: 157.2
Greenbelt, MD 20771
Tanya.S.Marbury@nasa.gov

NASA Center for AeroSpace Information (CASI)
Attn: Document Processing Section
7121 Standard Drive
Hanover, MD 21076
eft_fp@sti.nasa.gov
New Technology Office
Attn: New Technology Representative
nasa-contract-compliance-T2@mail.nasa.gov

Scientific & Technical Information Office (STIO)
Attn: Scientific and Technical Information (STIO) Program Office
eft_ftp@sti.nasa.gov

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Recipients should submit final reports electronically to:
NSSSC-closeout@mail.nasa.gov

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Or Write:
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L'Enfant Plaza Station
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To report suspected fraud, waste or abuse of Federal funds go to:
OIG hotline can be accessed through
https://oig.nasa.gov/hotline.html

Office of Diversity and Equal Opportunity
Director, Complaints Management Division
NASA Headquarters
Office of Diversity and Equal Opportunity
300 E St. SW
Rm. 6P83
Washington, DC 20546
To file a complaint regarding denial of equal opportunity or discrimination based on race, color, national origin, sex, disability, or age; go to:
http://missionstem.nasa.gov/filing-a-complaint.html