

## STATUTORY PAY-AS-YOU-GO SCORECARDS

[In millions of dollars, negative amounts portray decreases in deficits]

	2017	2018	2019	2020	2021					
Second Session of the 114th Congress .....	478	478	478	478	478					
Balances from Previous Sessions .....	-4,896	-4,057	-4,082	-3,456	0					
Five-year PAYGO Scorecard .....	-4,418	-3,579	-3,604	-2,978	478					
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Second Session of the 114th Congress .....	980	980	980	980	980	980	980	980	980	980
Balances from Previous Sessions .....	-15,448	-15,448	-15,448	-15,448	-9,077	-8,367	-7,232	-7,239	-5,718	0
Ten-year PAYGO Scorecard .....	-14,468	-14,468	-14,468	-14,468	-8,097	-7,387	-6,252	-6,259	-4,738	980

The total net budgetary effects of all PAYGO legislation enacted during the second session of the 114th Congress on the 5-year scorecard increased the deficit by \$2,389 million. This total is averaged over the years 2017 to 2021 on the 5-year PAYGO scorecard, resulting in costs of \$478 million in each year. Combining these costs with balances carried over from prior sessions of the Congress creates total net savings in 2017 of \$4,418 million, \$3,579 million in 2018, \$3,604 million in 2019, and \$2,978 million in 2020. The 5-year PAYGO window extended only through 2020 in the first session of the 114th Congress, so there were no 5-year scorecard balances in 2021 to carry over and the 5-year scorecard total is the average \$478 million cost from this session.

The total 10-year net impact of legislation enacted during the second session of the 114th Congress was costs of \$9,800 million. The 10-year PAYGO scorecard shows the total net impact averaged over the 10-year period, resulting in costs of \$980 million in each year. Combining these costs with balances from prior sessions results in net savings of \$14,468 million in 2017 through 2020, \$8,097 million in 2021, \$7,387 million in 2022, \$6,252 million in 2023, \$6,259 million in 2024, and \$4,738 million in 2025. The 10-year PAYGO window extended only through 2025 in the first session of the 114th Congress, so there were no 10-year scorecard balances in 2026 to carry over and the 10-year scorecard total is the average \$980 million costs from this session.

#### IV. Sequestration Order

As shown on the scorecards, the budgetary effects of PAYGO legislation enacted in the second session of the 114th Congress, combined with the balances from previous sessions of the Congress left on each scorecard, resulted in net savings on both the 5-year and the 10-year scorecard in the budget year, which is 2017 for the purposes of this Report. Because the costs for the budget year, as shown on the scorecards, do not exceed savings for the budget year, there is no "debit" on either scorecard under section 3 of the PAYGO Act, 2 U.S.C. 932, and there is no need for a sequestration order.

The savings shown on the scorecards for 2017 will be removed from the scorecards that are used to record the budgetary effects of PAYGO legislation enacted in the first session of the 115th Congress. The totals shown in 2018 through 2026 will remain on the scorecards and will be used in determining whether a sequestration order will be necessary in the future. Each year from 2018 to 2020 of the 5-year scorecard that will carry over into the first session of the 115th Congress shows balances of savings. The year 2021 shows balances of costs. Each year from 2018 to 2025 of the 10-year scorecard that will carry over into the first session of the 115th Congress shows balances of savings. The year 2026 shows balances of costs.

**Authority:** 2 U.S.C. 934.

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**BILLING CODE P**

#### NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice: (17-002)]

##### Notice of Intent To Hold Space Navigation Workshop and Request for Information

**AGENCY:** National Aeronautics and Space Administration.

**ACTION:** Request for Information or Sources Sought Notice.

**SUMMARY:** The National Aeronautics and Space Administration (NASA) Space Communication and Navigations (SCaN) Program announces a Workshop on Emerging Technologies for Autonomous Space Navigation to inform industry on evolving positioning, navigation and timing (PNT) technologies and techniques being developed to enhance the operational efficiency and flexibility of future missions. The "Nav Workshop" will include optional one-on-one discussions with industry participants on a space-available basis Friday, February 17, 2017. NASA is soliciting information from all interested U.S. private sector enterprises only.

**DATES:** The Space Navigation Workshop, Thursday, February 16, 2017, and the One-on-One Meetings, Friday, February 17, 2017.

**ADDRESSES:** NASA Headquarters Auditorium (west lobby) 300 E Street SW., Washington, DC 20546.

**FOR FURTHER INFORMATION CONTACT:** U.S. participants will register/sign-in for the Navigation Workshop at the door on February 16. To RSVP for the follow-on One-on-One Meetings scheduled for February 17, please RSVP to James J.

Miller by February 8 at [jj.miller@nasa.gov](mailto:jj.miller@nasa.gov) or 202-358-4417.

Reservations must be received no later than 5:00 p.m. EST on Wednesday, February 8, 2017. A confirmation email will be sent to acknowledge your requested participation. Companies will be notified on or before Friday, February 10, 2017, of their assigned One-on-One meeting time.

**SUPPLEMENTARY INFORMATION:** This announcement is a Request for Information (RFI) or Sources Sought Notice and is limited to U.S. citizens or residents. This synopsis is for information and planning purposes and does NOT constitute a Request for Proposal (RFP). Requests for a solicitation will not receive a response. No reimbursement will be made for any costs associated with providing information in response to this announcement or any follow-up information requested. No basis for claim against the Government shall arise as a result of a response to this announcement or Government use of any information provided. This announcement does not restrict the Government's right to consider acquisition strategies as deemed appropriate.

The Nav Workshop will allow industry to gain a better understanding of space navigation technologies and techniques that NASA is investing in to better enable space missions in near Earth, cis-Lunar space, and deep space domains. It will also allow industry to better align their navigation research and development efforts with NASA's Architecture Roadmaps now under development. The follow-on one-on-one meetings are intended to provide a forum for industry to share their ideas with NASA, for NASA to understand the scope of space navigation technologies being developed in the commercial sector, and for both NASA and industry to assess areas for potential collaboration regarding navigation technology development efforts that have the potential to serve national needs. NASA is therefore seeking broad information about systems previously flown, systems currently in development—including for other non-NASA missions—and future technologies that are relevant to space navigation and space-based PNT.

Navigation topics to be discussed during the Nav Workshop include:

- Emerging Global Navigation Satellite System (GNSS) applications, including the development and use of GNSS in high altitude applications in the Space Service Volume (SSV), protecting and enhancing the GPS SSV,

developing a multi-GNSS SSV, NASA's current and future missions employing GNSS in the SSV, and GNSS receiver developments within NASA.

- Emerging Navigation technologies, including PNT capabilities envisioned for the Next Generation Broadcast Service (NGBS), innovative timing system developments and techniques such as the Deep Space Atomic Clock (DSAC), optical navigation capabilities and techniques that support rendezvous, landing on objects (near Earth or solar system objects) or docking to vehicles, and navigation & PNT capabilities supporting proximity operations, satellite servicing, and formation flying.

- Other advanced topics to be addressed include the use of optometrics from laser communications systems to support precise PNT solutions, on-board navigation software and filters, such as the Goddard Enhanced Onboard Navigation System (GEONS), and X-ray Navigation capabilities and techniques.

The agenda for the Nav Workshop and Industry Meetings is as follows:

**Tentative Space Navigation Workshop Agenda (Thursday, February 16, 2017)**

8:30 a.m. to 9:30 a.m., Networking Opportunity  
 9:30 a.m. to 12:30 p.m., Introductions & Emerging GNSS Applications  
 12:30 p.m. to 1:30 p.m., Lunch Break  
 1:30 p.m. to 3:30 p.m., Next-Generation Developing Technologies  
 3:30 p.m. to 5:30 p.m., Game-Changing Initiatives  
 5:30 p.m. to 6:00 p.m., Wrap-Up  
 6:00 p.m. to 8:00 p.m., Networking Opportunity

**One-on-One Industry Meetings With NASA (Friday, February 17, 2017)**

9:00 a.m. to 5:00 p.m., 45 minute information-exchange/discussion  
 To RSVP for the February 16 workshop and follow-on One-on-One Meetings scheduled for February 17, please RSVP to James J. Miller by February 8 at [jj.miller@nasa.gov](mailto:jj.miller@nasa.gov) or 202-358-4417.

Attendance limitations: The Navigation Workshop and One-on-One Meeting attendees is strictly limited to four (4) persons per company.

**One-on-One Meeting Description**

To facilitate interactive communication with industry, NASA SCA representatives will be available for One-on-One meetings to exchange ideas on areas of synergy and potential collaboration. NASA will hold One-on-One meetings with industry on Friday, February 17, 2016, from 9:00 a.m. to 5:00 p.m. EST, to discuss Space

Navigation technologies and techniques as related to Nav Workshop presentations. The meetings will be held with interested parties at scheduled times provided in response to the RSVP on a space available basis. NASA will attempt to prioritize non-local companies with One-on-One meeting times.

The One-on-One meetings are intended to be private question-and-answer and information-gathering sessions based on industry developments that align with NASA investments for enhanced autonomous space navigation capabilities. Industry presentation packages are acceptable and will be held in accordance with any proprietary or business confidential markings as annotated on the chart package. Meetings will not exceed 45 minutes in length. One appointment per hour will be scheduled. Additional separate meetings can be scheduled later if demand exceeds capacity.

No recording devices are permitted during the Workshop and One-on-One meetings.

Cheryl E. Parker,

*Federal Register Liaison Officer.*

**Space Navigation Workshop Registration and Industry "One-on-One" RSVP Form**

1. Full Name:
2. Title:
3. Organization Name:
4. Email address:
5. Phone Number:
6. Company's Primary Point of Contact for interactions with NASA on Navigation Workshop (Please provide full name):
7. Company's Point of Contact Email address:
8. Company's Point of Contact Phone Number:
9. Are you interested in participating in the Space Navigation Workshop "One-on-One"? yes/no
10. If yes, please provide the full Names of the representatives attending (4 or less):
11. Interested and local/Interested and from out of town/Not interested

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**NUCLEAR REGULATORY COMMISSION**

[NRC-2016-0122]

**Program-Specific Guidance About Medical Use Licenses**

**AGENCY:** Nuclear Regulatory Commission.