

## 2024 Current Fiscal Year Report: U.S. Army Science Board

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### 1. Department or Agency

Department of Defense

### 2. Fiscal Year

2024

### 3. Committee or Subcommittee

U.S. Army Science Board

### 3b. GSA Committee No.

389

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

05/20/2022

### 6. Expected Renewal Date

05/20/2024

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

Not Applicable

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority

Agency Authority

### 12. Specific Establishment Authority

Department of Defense

### 13. Effective Date

12/08/1977

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee

Scientific Technical Program Advisory Board

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a.

Open

0

17b. Closed

0

17c. Partially Closed

0

Other Activities

0

17d. Total

0

### Meetings and Dates

No Meetings

### Current FY      Next FY

### 18a(1). Personnel Pmts to Non-Federal Members

\$0.00 \$0.00

<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$0.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$0.00	\$0.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$0.00	\$0.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$0.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$0.00	\$0.00
<b>18d. Total</b>	\$0.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.00	0.00

**20a. How does the Committee accomplish its purpose?**

The Army Science Board (ASB) shall provide independent advice and recommendations on matters relating to (a) the Army's scientific, technical, manufacturing, acquisition, logistics, and business management functions; (b) environmental and water resource management issues involving the U.S. Army Corps of Engineers (USACE), to include the Military Program and the Civil Works Program; and (c) other Department of the Army-related matters as determined by the Secretary of Defense, Deputy Secretary of Defense or the Secretary of the Army, as the Board's sponsor.

**20b. How does the Committee balance its membership?**

The Board shall be composed of not more than 20

members who are prominent authorities in one or more of the following disciplines: science; technology; manufacturing; acquisition; logistics; business management functions natural (e.g., biology, ecology), social (e.g., anthropology, community planning), and related sciences; and other matters of special interest to the Department of the Army. The ASB is balanced across both the technical specialties needed to perform ASB studies, and across the sector in which they work, with a view to obtaining a balance across small businesses, medium to large businesses, Federally Funded Research and Development Centers and non-profit organizations, and academia.

**20c. How frequent and relevant are the Committee Meetings?**

The Army Science Board holds a General Membership Meeting each year for all current members to discuss the annual study topic and form into panels to tackle the work involved in researching the issue and formulating a report. Additionally, the annual General Membership Meeting is the forum to educate new members about administrative requirements, to update member knowledge of current Army activities, and review report findings and recommendations. Teleconferences are also used to reduce travel costs. All physical meetings are carefully planned in advance with published agendas to ensure mission focus and judicious use of the time available.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The Secretary of Defense has determined that no other DoD advisory committee can provide the independent advice provided by the board to the

Secretary of the Army on complex scientific and technical issues facing the Department of the Army.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

Meetings are not closed to the public unless the Department of Defense determines that items on the planned agenda meet the closed meeting provisions of 5 U.S.C. § 552b(c-1). Pursuant to DoD policy, closed meetings can only be authorized by the Secretary of the Army as the Board's DoD Sponsor and after consultation and approval of the Office of the Army General Counsel.

**21. Remarks**

The appointment term dates for William Guyton are 08/24/2022 - 08/23/2025. He was erroneously omitted from the FY22 ACR. The appointment term dates for Michael Williamson and Katrina McFarland are 08/24/2022 - 08/23/2025. The dates were erroneously reported in the FY22 ACR as 09/12/2022 - 09/11/2025.

**Designated Federal Officer**

Heather J. Gerard Executive Director, Army Science Board

Committee Members	Start	End	Occupation	Member Designation
Bennett, Gisele	09/16/2022	09/15/2025	Scientist	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Chiarelli, Peter	09/12/2022	09/11/2025	Retired Military	Special Government Employee (SGE) Member

Eaglen-Wooters, Mackenzie	09/12/2022	09/11/2025	Think Tank	Special Government Employee (SGE) Member
Farmer, Charlotte	09/06/2022	09/05/2025	Engineer	Special Government Employee (SGE) Member Regular
Field, Kimberly	08/24/2022	08/23/2025	Retired Military and current SES	Government Employee (RGE) Member
Guyton, William	10/23/2022	10/22/2025	Engineer	Special Government Employee (SGE) Member
Hernandez, Rhett	09/12/2022	12/19/2023	Retired Military	Special Government Employee (SGE) Member
Hogue, Teri	09/12/2022	09/11/2025	Academia	Special Government Employee (SGE) Member
Jimenez, David	09/18/2023	09/17/2026	Engineering Management	Special Government Employee (SGE) Member
Lennox, Robert	09/12/2022	09/11/2025	Retired Military and Industry	Special Government Employee (SGE) Member
Lettre, Marcel	09/12/2022	09/11/2025	Industry	Special Government Employee (SGE) Member
MacFarland, Sean	09/12/2022	09/11/2025	Retired Military and Industry	Special Government Employee (SGE) Member
Mahnken, Thomas	09/29/2022	09/28/2025	Retired Military and Think Tank	Special Government Employee (SGE) Member

McFarland, Katharina	09/12/2022	09/11/2025	Retired SES	Special Government Employee (SGE) Member
Mitchell, Terry	09/29/2022	09/28/2025	Retired Military and SES	Special Government Employee (SGE) Member
Mummаланeni, Venkat	09/12/2022	09/11/2025	Industry	Special Government Employee (SGE) Member
Myers, Susan	09/30/2022	09/29/2025	Director, Northrop Grumman Corp.	Special Government Employee (SGE) Member
Neal, William	09/12/2022	09/11/2025	Engineer	Special Government Employee (SGE) Member
Williamson, Michael	09/12/2022	09/11/2025	Retired Military and Industry	Special Government Employee (SGE) Member
Azafrani, Rachel [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Cybersecurity	Special Government Employee (SGE) Member
Baxter, Christina [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Industrial and Systems Engineer	Special Government Employee (SGE) Member
Bennett, Gisele [Basic Sciences and Disruptive Technologies Subcommittee]	09/08/2023	09/15/2025	Engineer	Special Government Employee (SGE) Member
Bochenek, Grace [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Industrial and Systems Engineer	Special Government Employee (SGE) Member
Driggers, Ronald [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Industrial and Systems Engineering	Special Government Employee (SGE) Member

Field, Kimberly [Basic Sciences and Disruptive Technologies Subcommittee]	09/08/2023	04/17/2024	Strategic Studies	Regular Government Employee (RGE) Member
Flagg, Melissa [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Pharmaceutical Chemistry	Special Government Employee (SGE) Member
Guyton, William [Basic Sciences and Disruptive Technologies Subcommittee]	09/08/2023	10/22/2025	Engineer	Special Government Employee (SGE) Member
Leed-Holmes, Maren [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Quantitative Policy Analysis	Special Government Employee (SGE) Member
Rao, Vivek [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Mechanical Engineering	Special Government Employee (SGE) Member
Russell, Thomas [Basic Sciences and Disruptive Technologies Subcommittee]	09/18/2023	09/17/2026	Chemistry	Special Government Employee (SGE) Member
Brofos, Alexander [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	Electrical Engineering	Special Government Employee (SGE) Member
Cole, Thomas [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	National Resource Strategy	Special Government Employee (SGE) Member
Compton, Raymond [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	Simulation Modeling and Analysis	Special Government Employee (SGE) Member
Crowe, Portia [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	Systems Engineering	Special Government Employee (SGE) Member

Kreidler, Nancy [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	Software Engineering	Special Government Employee (SGE) Member
Schneider, Fred [Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance and Digital (Information Technologies) Subcommittee]	09/18/2023	09/17/2026	Computer Science	Special Government Employee (SGE) Member
Seavitt-Nordenson, Catherine [Environmental Advisory Board Subcommittee]	09/18/2023	09/17/2026	Architecture	Special Government Employee (SGE) Member
Shafiei, Fatemeh [Environmental Advisory Board Subcommittee]	09/18/2023	09/17/2026	Political Science	Special Government Employee (SGE) Member
Stein, Eric [Environmental Advisory Board Subcommittee]	09/18/2023	09/17/2026	Environmental Science and Engineering	Special Government Employee (SGE) Member
Weber, Larry [Environmental Advisory Board Subcommittee]	09/18/2023	09/17/2026	Environmental Engineering	Special Government Employee (SGE) Member
Fast, Barbara [Intelligence and Assessment Subcommittee]	09/18/2023	09/17/2026	Intelligence	Special Government Employee (SGE) Member
Hix, William [Intelligence and Assessment Subcommittee]	09/18/2023	09/17/2026	Military Art and Science	Special Government Employee (SGE) Member
Houde-Walter, Susan [Intelligence and Assessment Subcommittee]	09/18/2023	09/17/2026	Optics	Special Government Employee (SGE) Member
Meiners, Kevin [Intelligence and Assessment Subcommittee]	09/18/2023	09/17/2026	Management Information Systems	Special Government Employee (SGE) Member



Shea, Teresa [Intelligence and Assessment Subcommittee]	09/18/2023	09/17/2025	Intelligence Community, Electrical Engineering	Special Government Employee (SGE) Member
Crowder, William [Science and Engineering Adoption, Adaption, Integration, and Sustainment/Disposal Subcommittee]	09/18/2023	09/17/2026	Systems Design	Special Government Employee (SGE) Member
Molino, Michael [Science and Engineering Adoption, Adaption, Integration, and Sustainment/Disposal Subcommittee]	09/18/2023	12/16/2023	Systems Engineering	Special Government Employee (SGE) Member
Osman, Emaan [Science and Engineering Adoption, Adaption, Integration, and Sustainment/Disposal Subcommittee]	09/18/2023	09/17/2026	Software Engineering	Special Government Employee (SGE) Member
Perkins, David [Science and Engineering Adoption, Adaption, Integration, and Sustainment/Disposal Subcommittee]	09/18/2023	10/30/2023	Strategic Studies	Special Government Employee (SGE) Member
Walker, Amber [Science and Engineering Adoption, Adaption, Integration, and Sustainment/Disposal Subcommittee]	09/18/2023	09/17/2026	Aerospace Engineering	Special Government Employee (SGE) Member
Dyess, Robert [Weapons Systems Subcommittee]	09/18/2023	09/17/2026	Systems Engineering	Special Government Employee (SGE) Member
Hensel, Nayantara [Weapons Systems Subcommittee]	09/18/2023	09/17/2026	Applied Economics	Special Government Employee (SGE) Member
Lennox, Robert [Weapons Systems Subcommittee]	09/08/2023	09/11/2025	Industry	Special Government Employee (SGE) Member
Thomsen, James [Weapons Systems Subcommittee]	09/18/2023	09/17/2026	Defense R&D, Ocean Engineering	Special Government Employee (SGE) Member
Zajkowski, Angel [Weapons Systems Subcommittee]	09/18/2023	09/17/2026	Executive Education, Innovation and Tech Transfer	Special Government Employee (SGE) Member

**Number of Committee Members Listed: 55**

**Narrative Description**

The Army Science Board provides independent advice and recommendations on matters relating to the Army's scientific, technical, manufacturing, acquisition, logistics, and business management functions, as well as other Department of the Army related matters as determined by the Secretary of the Army.

**What are the most significant program outcomes associated with this committee?**

Checked if  
Applies

Improvements to health or safety	<input checked="" type="checkbox"/>
Trust in government	<input checked="" type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

**Outcome Comments**

N/A

**What are the cost savings associated with this committee?**

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>

Cost Savings Other



### **Cost Savings Comments**

N/A

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

3,741

### **Number of Recommendations Comments**

In FY23 the board made 74 recommendations. We are also in the process of determining which ones will be adopted or partially adopted.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

65%

### **% of Recommendations Fully Implemented Comments**

This is an approximate percentage based upon the best information that we have. Often, the concepts and capabilities recommended in studies take time to be evaluated and to gain traction within the agencies that will ultimately act upon these recommendations.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

25%

### **% of Recommendations Partially Implemented Comments**

This is an approximate percentage using the best information available. Often, the concepts and capabilities recommended in studies take time to be evaluated and to gain traction within the agencies that will ultimately act upon these recommendations.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

### **Agency Feedback Comments**

The Army Science Board (ASB) Secretariat receives input from the study sponsors in the Army Secretariat, Army General Staff and Army Commands regarding the ASB activities. The public can obtain agency feedback to committee recommendations in the official

unclassified meeting minutes.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

N/A

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

N/A

**How is access provided to the information for the Committee's documentation?**

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

**Access Comments**

N/A