

# Global Supply Chain Security for Microelectronics

26 – 28 October 2022 workshop

The workshop will start shortly. Please stand by.



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#2277 151  
PW: ME2022



# Welcome!

- § This event is being recorded for internal use in connection with preparing the meeting report. In-person attendees: Back of your badge has guestwifi
- § To Maximize Productivity & Engagement: **Please engage!** Workshop is meant to be discussion based
- § Q&A will be held until after presentations. Q&A and Comments will be managed through Slido
- § In-person & Online: Use your microphone. Mute mic when not speaking
- § Identify yourself and your organization
- § Zoom Participants 'Raise Hand' to be called on and we will unmute you
- § Prefer you engage on audio in lieu of using Zoom Chat if possible
  - Sending document links, titles, names on Chat is most welcome
- § Presentations and other workshop materials will be made available to participants at the link on the agenda



# Engagement On Slido

## Access Options:

- § Using direct URL in Agenda: <https://app.sli.do/event/9VqfeF2dYNCjbfGVYZvujH>
- § Visit [www.slido.com](http://www.slido.com), enter Session # and Passcode
- § Scan QR Code using mobile device camera

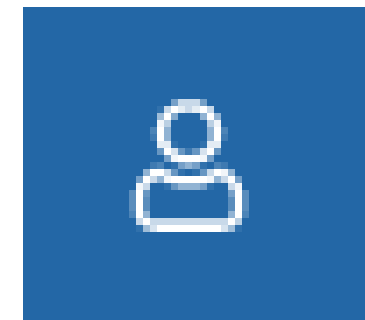
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🔑 Passcode: ME2022



## Polling / Q&A:

- § Slido Polling will be use to gain attendees votes
- § Q&A can be used to post questions AND comments
- § Attendees can rank/upvote questions and comments



**Mobile & Browser Icon:**  
**Edit your name to be identified**

**Open & Live Discussion still strongly encouraged**

# ANSI Staff Support

## In Person Attendees

- § Jim McCabe  
Senior Director, Standards Facilitation  
[jmccabe@ansi.org](mailto:jmccabe@ansi.org); 917-535-5105
  
- § Christine Bernat  
Associate Director, Standards  
Facilitation  
[cbernat@ansi.org](mailto:cbernat@ansi.org); 202-236-7580
  
- § Anne Caldas  
Senior Director, Procedures &  
Standards Administration  
[acaldas@ansi.org](mailto:acaldas@ansi.org); 201-978-7675

## Virtual Attendees: Zoom Access / Slido

- § Sarah Katz  
Standards Facilitation Admin  
Support  
[skatz@ansi.org](mailto:skatz@ansi.org)  
203-417-1045

# Program Schedule - Today

Time	Discussion Topic and Speaker
	<b>Wednesday October 26, 2022 (Opening Session) - Room: Auditorium</b>
9:00 – 9:30 am	<b>Recap of July Workshop</b> – Jim McCabe, Senior Director, Standards Facilitation, ANSI
9:30 – 10:00 am	<b>Standards Briefings and Request for Information (RFI) Regarding Standardization Activities</b> – Christine Bernat, Associate Director, Standards Facilitation, ANSI
10:00 – 10:10 am	<b>Opening Remarks</b> – Dr. Dev Shenoy, Principal Director for Microelectronics, DoD
10:10 – 10:45 am	<b>Workshop Objectives and Strategy</b> – Christine Rink, on behalf of DoD
10:45 – 11:00 am	<b>Networking Break</b>
11:00 am – 12:30 pm	<b>Section 224 Vendor Demographics Definitions Development</b> – Facilitator: Dan DiMase, President & CEO, Aerocyonics, Inc
12:30 – 2:00 pm	<b>Catered Lunch (in-person attendees pay at registration) (Room: Auditorium Foyer)</b>
2:00 – 3:00 pm	<b>Definitions Summary and Finalization</b> – ANSI staff
3:00 – 3:15 pm	<b>Networking Break</b>
3:15 – 4:45 pm	<b>Group Exercise: Applying the DoD Framework to a Supply Chain Practice Area</b> – DoD
4:45 – 5:00 pm	<b>Preparation for Breakout Groups</b> – Jim McCabe



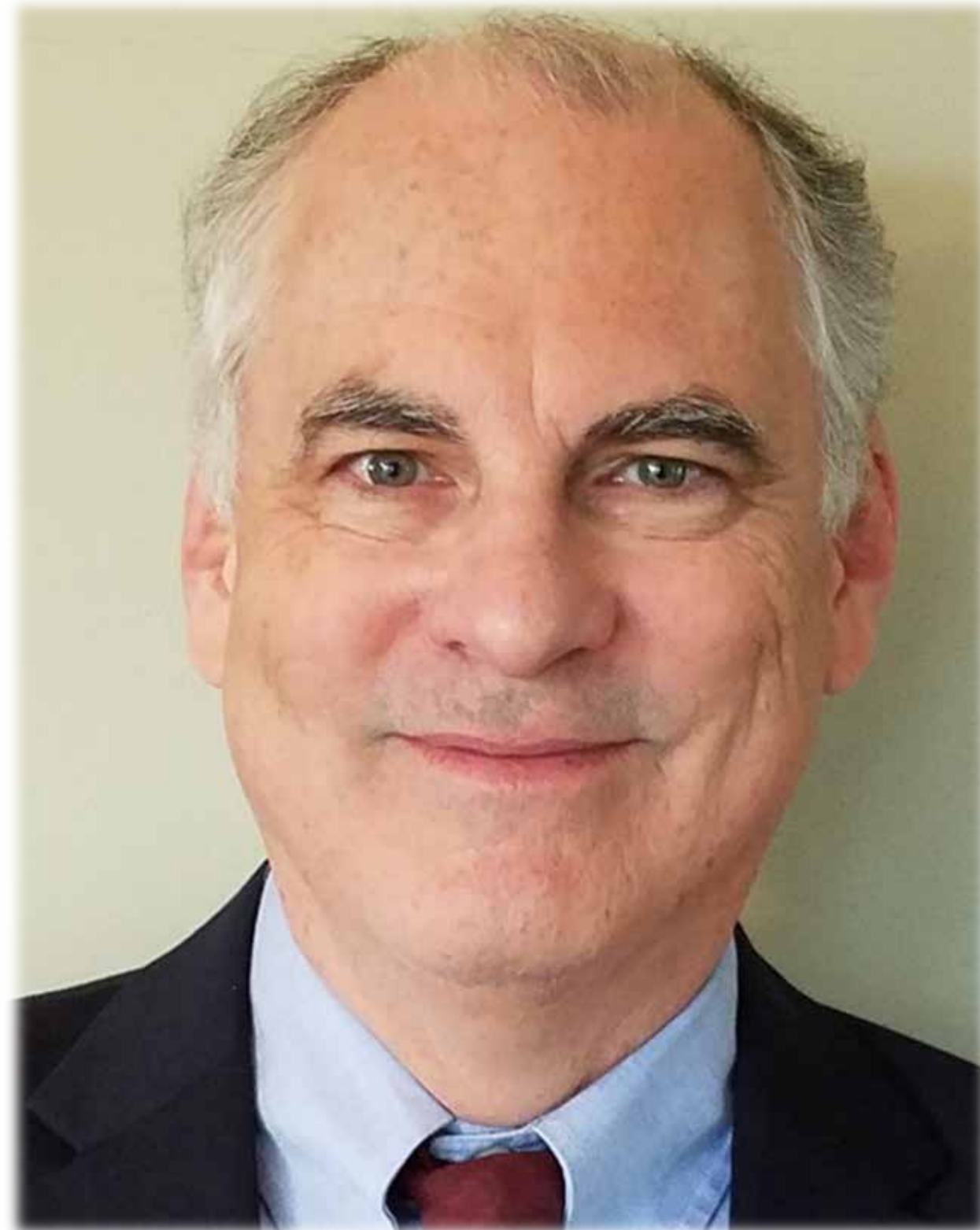
# Program Schedule – Oct 27-28<sup>th</sup>

Time	Discussion Topic and Speaker
	<b>Thursday, October 27, 2022 (Breakout Sessions)</b>
8:00 – 9:00 am	<b>Continental Breakfast</b> (Room: Auditorium Foyer)
9:00 am – 12:30 pm	<b>Concurrent Breakout Groups</b> <ul style="list-style-type: none"> <li>- Group 1: Procurement Management (Room: 2001A)</li> <li>- Group 2: Information and IP Protection (Room: 2001B)</li> <li>- Group 3: Secure Design (Room: 2001C)</li> <li>- Group 4: Supply Chain Traceability (Room: Auditorium)</li> </ul>
12:30 – 2:00 pm	<b>Catered Lunch (in-person attendees pay at registration)</b> (Room: Auditorium Foyer)
2:00 – 3:30 pm	<b>Continuation of Breakout Group Discussions</b>
3:30 – 5:00 pm	<b>Close of Breakout Discussions and Development of Report Back</b>
	<b>Friday, October 28, 2022 (Closing Session) – Room: Auditorium</b>
8:00 – 9:00 am	<b>Continental Breakfast</b> (Room: Auditorium Foyer)
9:00 – 11:00 am	<b>Breakout Group Report Backs</b> (approximately 30 minutes per group)
11:00 – 11:45 am	<b>Open Discussion – Breakout Facilitators / All</b>
11:45 – 12:00 pm	<b>Wrap-up and Next Steps – ANSI / DoD</b>
12:00 noon	<b>Adjourn</b>

# Recap of July Workshop



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Jim McCabe  
Senior Director, Standards  
Facilitation  
American National Standards  
Institute (ANSI)

# Standards Briefings and RFI Update



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Christine Bernat  
Associate Director, Standards  
Facilitation  
American National Standards  
Institute (ANSI)

\*[Microelectronics standards and guidance landscape](#) is in the [Workshop Materials](#)



# Opening Remarks



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Dr. Dev Shenoy  
Principal Director for  
Microelectronics

Office of the Under Secretary of  
Defense for Research and  
Engineering, OUSD(R&E)

# Workshop Objectives & Strategy



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Christine Rink  
On behalf of the U.S.  
Department of Defense  
(DoD)



# Break – Workshop will Resume at 11:00 am Eastern



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4:45 – 5:00 pm	Preparation for Breakout Groups – Jim McCabe

# Welcome Back:

## Section 224 Vendor Demographics Definitions Development



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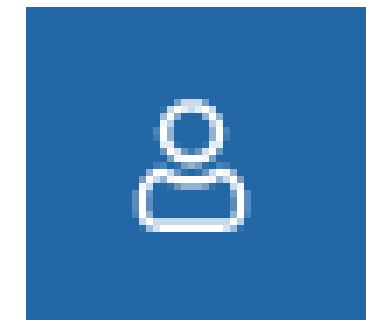
# Slido Polls on Definitions

## Access:

- § Visit [www.slido.com](http://www.slido.com), enter Session # and Passcode
- § Scan QR Code using mobile device camera

Join at  
**slido.com**  
**#2277 151**

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**Mobile & Browser Icon:  
Edit your name to be identified**

## Polling:

- § After each term a 2-question survey will be issued on Slido
  - All attendees (online and in person) should respond as soon as possible
- § Q&A can still be used to post questions AND comments
- § Attendees can rank questions and comments

**Open & Live Discussion still strongly encouraged**

# Section 224 Vendor Demographics Definitions Development



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Daniel DiMase  
President & CEO  
Aerocyonics, Inc



# Lunch – Workshop will Resume at 2:00 pm Eastern



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Time	Discussion Topic and Speaker
	Wednesday October 26, 2022 (Opening Session) - Room: Auditorium
10:00 – 10:10 am	Opening Remarks - DoD
11:00 am – 12:30 pm	Section 224 Vendor Demographics Definitions Development – Facilitator: Dan DiMase, President & CEO, Aerocyonics, Inc
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4:45 – 5:00 pm	Preparation for Breakout Groups – Jim McCabe

# Definitions Summary and Finalization

pdf layout and spreadsheet layout



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Jim McCabe

Senior Director, Standards Facilitation  
American National Standards Institute (ANSI)



Christine Bernat

Associate Director, Standards Facilitation  
American National Standards Institute (ANSI)

# Break – Workshop will Resume at 3:15 pm Eastern



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Time	Discussion Topic and Speaker
	Wednesday October 26, 2022 (Opening Session) - Room: Auditorium
10:00 – 10:10 am	Opening Remarks - DoD
2:30 – 3:00 pm	Definitions Summary and Finalization – ANSI staff
3:00 – 3:15 pm	Networking Break
3:15 – 4:45 pm	<b>Group Exercise: Applying the DoD Framework to a Supply Chain Practice Area – DoD</b> Participants will discuss supply chain traceability and data within the example framework and provide real-time feedback regarding the candidate considerations, categorization criteria, and relevant regulations, policy, standards, and best practices, outlined for this topic. This group exercise will provide attendees the ability to ask questions and a preview of breakout session objectives, to ensure productive day two discussions.
4:45 – 5:00 pm	Preparation for Breakout Groups – Jim McCabe



# Group Exercise:

## *Applying the DoD Framework to a Supply Chain Practice Area*



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Christine Rink

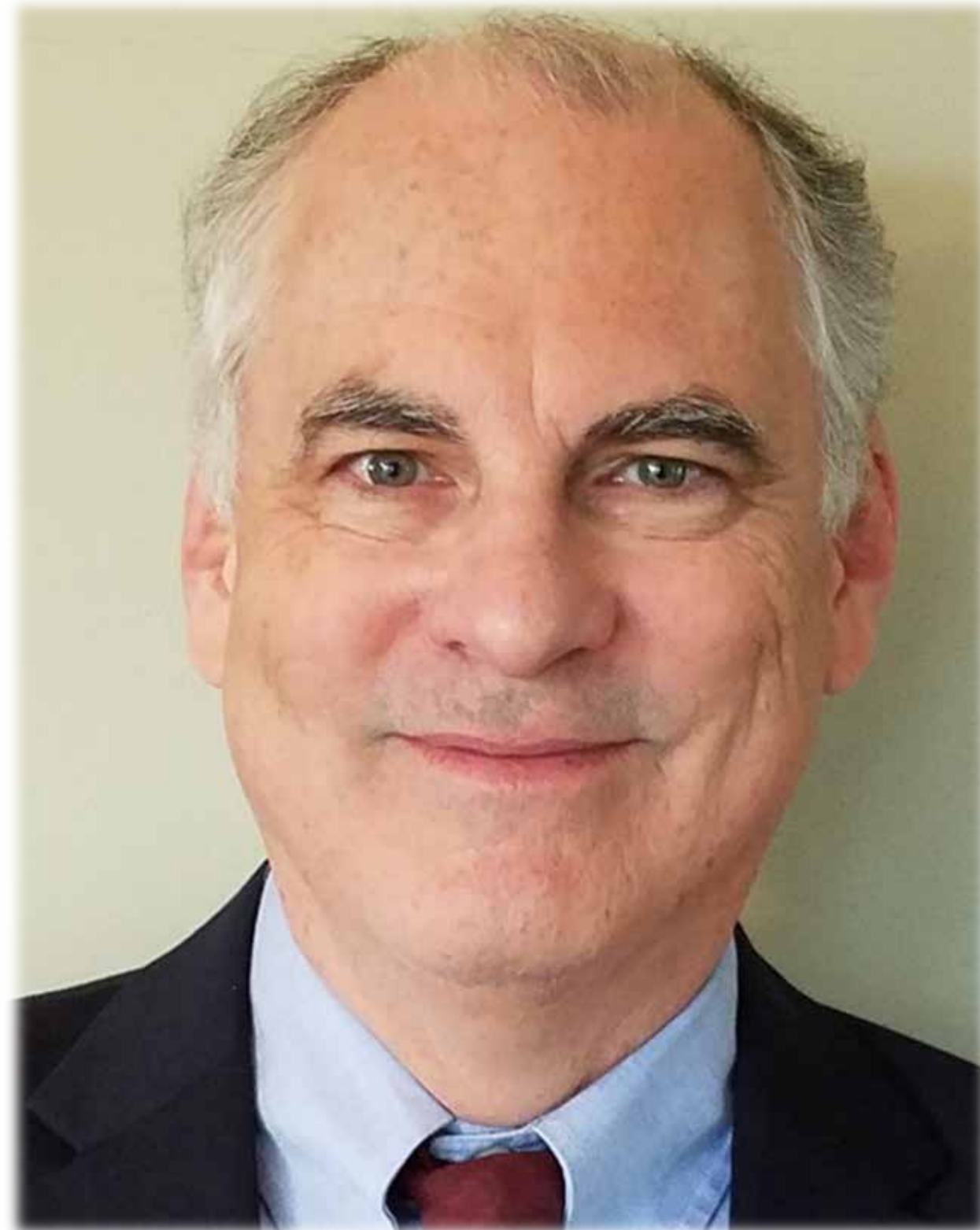
On behalf of the U.S.

Department of Defense  
(DoD)

# Preparation for Breakout Groups



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**Jim McCabe**  
Senior Director, Standards  
Facilitation  
American National Standards  
Institute (ANSI)



# Preparation for Breakout Groups

- § Groups organized by four supply chain practice areas:
  1. Procurement management
  2. Information and IP protection
  3. Secure design
  4. Supply chain traceability
- § Each group will follow today's group exercise for their respective areas
- § Discussions guided by Breakout Questions



# Breakout Question # 1

1. What comments are there on Candidate Considerations?
  - a. What considerations are most significant in this area?
  - b. What are organizations doing today (if willing/able to share)?
  - c. What data can/cannot be shared with other supply chain entities?

# Breakout Question # 2 & 3

2. What comments are there on Candidate Categorization Criteria?
  - a. What is sufficient in terms of meeting a baseline level of security assurance? *This can be expressed as a principle.*
  - b. Can it be measured? *References to policies and standards helpful but not required.*
3. What comments are there on Relevant Regulations, Policy, Standards, and Best Practices, et cetera?

# Breakout Question # 4

4. What are the most important takeaways from the discussions in your breakout group?
  - a. What candidate considerations were discussed and what were the key takeaways?
  - b. What candidate categorization criteria were discussed and what were the key takeaways?
  - c. What areas demonstrated the greatest need in terms of relevant regulations, policy, standards, best practices?
  - d. What recommendations does the group have for DoD on next steps?



# Breakout Group Facilitation & Engagement

- § Facilitators will lead the discussion/ensure the group answers all questions
- § Scribes will capture key points of discussion
- § Remote participant interface will alert scribe of raised hands & questions in the chat for those participating via Zoom
  - Slido is not being used after today
- § Facilitator/Scribe will prepare the group report back
- § Lunch is from 12:30-2:00pm; other breaks can be taken as needed

# Group 1: Procurement Management

*The process and contractual considerations required for evaluating and defining engagements with external entities for procurements, including the risks/mitigations identified from the other supply chain practice areas. Procurement processes are focused on mitigating risks associated with sourcing IP and parts (e.g., counterfeit, DMSMS), and should include considerations for vendor demographics as identified in FY20 NDAA Section 224 (e.g., company ownership, location, workforce composition)*

§ **Room:** 2001A (2<sup>nd</sup> floor)

§ **Facilitator:** Lori Gordon, Space Enterprise Integration Initiatives Leader, Office of the Corporate Chief Engineer, The Aerospace Corporation

§ **Scribe:** Will Helfrich, Booz Allen Hamilton

§ **Remote Participant Interface:** Sarah Katz, Standards Facilitation Support, ANSI

# Group 2: Information and IP Protection

*Risks attributed to the confidentiality of intellectual property and information not intended for public dissemination. May overlap with other supply chain practice areas. Processes are focused on mitigations associated with networks and personnel.*

- § **Room:** 2001B (2<sup>nd</sup> floor)
- § **Facilitator:** Donald Davidson, Director, Cyber-SCRM Programs – Synopsys
- § **Scribe:** Anne Caldas, Senior Director, Procedures and Standards Administration, ANSI
- § **Remote Participant Interface:** Stephanie Carroll, Sr. Meetings and Events Manager, ANSI



# Group 3: Secure Design

*Design practices to improve assurance (e.g., verification and validation), manage risk when the part is outside vendor or user control, and address supply chain volatility (e.g., open architecture or modularity). May overlap with other supply chain practice areas.*

§ **Room:** 2001C (2<sup>nd</sup> floor)

§ **Facilitator:** Daniel Radack, PhD, Assistant Director, Information Technology and Systems Division, Institute for Defense Analyses (IDA)

§ **Scribe:** Christine Bernat, Associate Director, Standards Facilitation, ANSI

§ **Remote Participant Interface:** Rachel Hawthorne, Sr. Manager, ISO Outreach and Enhanced Services, ANSI

# Group 4: Supply Chain Traceability

*Practices focus on the ability to identify and authenticate the provenance of devices, source materials, and/or microelectronics services. May include secure design and/or procurement management methods to improve microelectronics supply chain illumination and advance non-repudiation in the microelectronics supply chain.*

§ **Room:** Auditorium (Same as this session)

§ **Facilitator:** Kirsten Koepsel, Project Engineer, Aerocyonics, Inc.

§ **Scribe:** Jim McCabe, Senior Director, Standards Facilitation, ANSI

§ **Remote Participant Interface:** Elizabeth Gonzalez, Standards Manager, ANSI

# Program Schedule – Tomorrow

Time	Discussion Topic and Speaker
	Thursday, October 27, 2022 (Breakout Sessions)
8:00 – 9:00 am	Continental Breakfast (Room: Auditorium Foyer)
9:00 am – 12:30 pm	<b>Concurrent Breakout Groups</b> <ul style="list-style-type: none"> <li>- Group 1: Procurement Management (Room: 2001A)</li> <li>- Group 2: Information and IP Protection (Room: 2001B)</li> <li>- Group 3: Secure Design (Room: 2001C)</li> <li>- Group 4: Supply Chain Traceability (Room: Auditorium)</li> </ul>
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2:00 – 3:30 pm	Continuation of Breakout Group Discussions
3:30 – 5:00 pm	Close of Breakout Discussions and Development of Report Back

Return badges in foyer at end of day. Tomorrow you will also be given a turnstile pass. Please bring your ID again tomorrow.



# Global Supply Chain Security for Microelectronics

The Closing Session will start shortly. Please stand by.

26 – 28 October 2022 workshop



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# Program Schedule – Today

Time	Discussion Topic and Speaker
	Friday, October 28, 2022 (Closing Session) – Room: Auditorium
9:00 – 11:00 am	<p><b>Breakout Group Report Backs</b> (approximately 30 minutes per group / order subject to change)</p> <ul style="list-style-type: none"> <li>- Group 1: Procurement Management (Lori Gordon, The Aerospace Corporation)</li> <li>- Group 2: Information and IP Protection (Donald Davidson, Synopsys)</li> <li>- Group 3: Secure Design (Daniel Radack, Institute for Defense Analyses)</li> <li>- Group 4: Supply Chain Traceability (Kirsten M. Koepsel, Aerocyonics, Inc.)</li> </ul>
11:00 – 11:45 am	<b>Open Discussion</b> – Breakout Facilitators / All
11:45 – 12:00 pm	<b>Wrap-up and Next Steps</b> – ANSI / DoD
12:00 noon	<b>Adjourn</b>



# Breakout Group Report Backs & Discussion

## § Group 1: Procurement Management

- Procurement Management LoA Criteria

## § Group 2: Information and IP Protection

## § Group 3: Secure Design

## § Group 4: Supply Chain Traceability

- Michael Durkan map of product class & considerations to LoAs



# Wrap-Up and Next Steps

- § Shareable presentations and other workshop materials will be made available to participants at the link on the agenda
- § Plans for future events/activities will be announced at a later date

# *Feedback Request Form*

Please use this QR Code or go to  
<https://www.surveymonkey.com/r/YBD2P7H>  
to provide feedback on this week's workshop



DoD Microelectronics  
28 October 2022





# ANSI Staff Contacts



**Jim  
McCabe**

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**Christine  
Bernat**

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[www.ansi.org](http://www.ansi.org)

