

# **HYPERSONIC WEAPONS ATTENDEE ACTION REPORT**

An insight into Hypersonic Weapons



**HYPERSONIC  
WEAPONS  
SUMMIT**

April 28-30, 2021  
Online



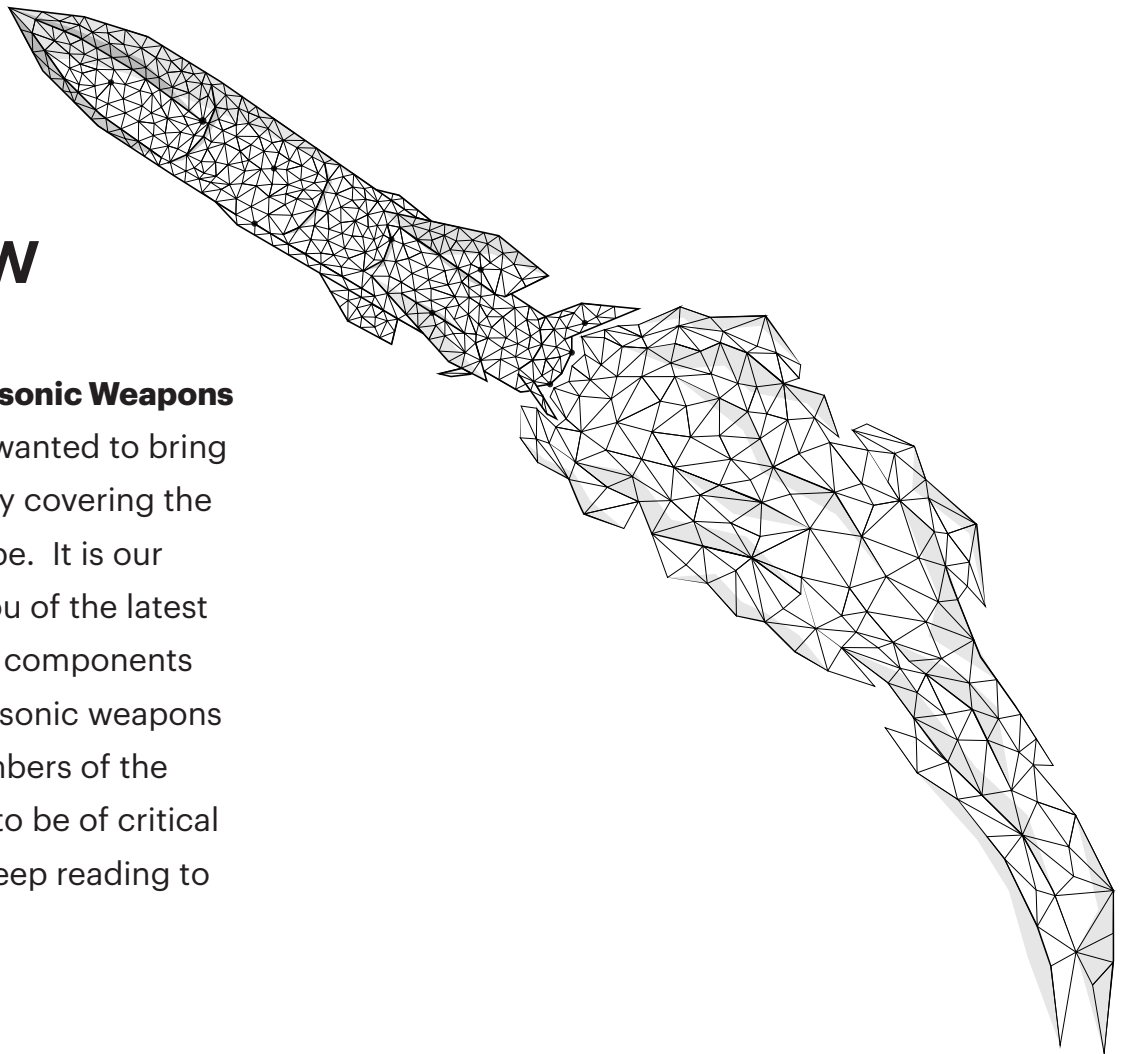
The logo for the Hypersonic Weapons Summit features the text "HYPERSONIC WEAPONS SUMMIT" in a bold, white, sans-serif font. The text is centered within a white, stylized arrow shape that points to the right. The background of the top half of the page is a dark blue gradient with a hexagonal pattern, and a bright, glowing arc of light is visible on the left side.

# HYPERSONIC WEAPONS SUMMIT

April 28-30, 2021  
Online

## Content Overview

Ahead of our **Hypersonic Weapons Spring Summit** we wanted to bring you a detailed survey covering the hypersonic landscape. It is our mission to inform you of the latest innovations and key components of developing hypersonic weapons as well as what members of the community believe to be of critical importance . . . so keep reading to find out more.

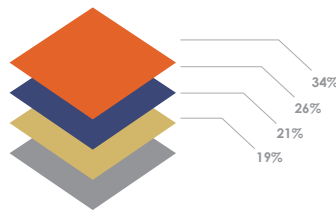


# Survey Questions

## Question 1:

What do you believe to be the biggest supplier challenge in the development and production of hypersonic weapons?

- 34%** Development Time
- 26%** Scalability
- 21%** Capacity
- 19%** Affordability



## Question 2:

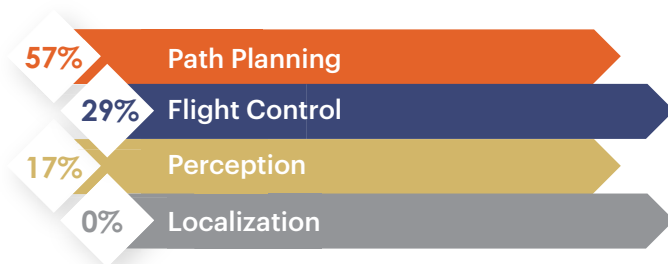
Do you feel that there is an adequate amount of hypersonic vehicle simulation datasets and modeling today to enable next-generation delivery of hypersonic tomorrow?

**Y** **24%** Yes

**N** **76%** No

## Question 3:

Which areas you do feel would be best utilized for AI in hypersonics?



## Question 4:

Which of the below is of most interest for hypersonic organization to learn more about?

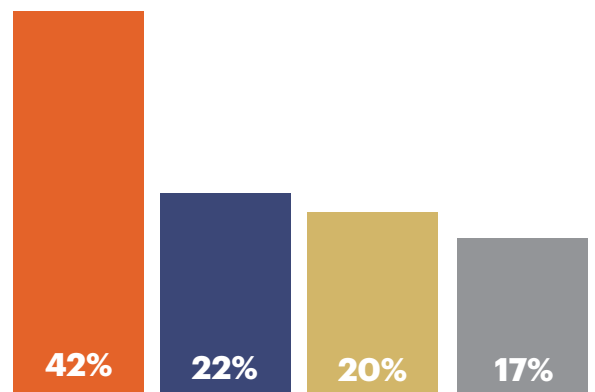
- 31%** Test & Evaluation Activities
- 31%** Weapons Prototyping
- 29%** Collaboration with Joint Hypersonic Transition Office
- 9%** Demonstrations



## Question 5:

Which of the below is of most interest to learn more about from RCCTO and SSP?

- 42%** Common hypersonic glide body technology needs
- 22%** Collaboration across the Services and next steps
- 20%** Testing scheduling and lessons learned
- 17%** Common hypersonic glide body roadmap & timelines

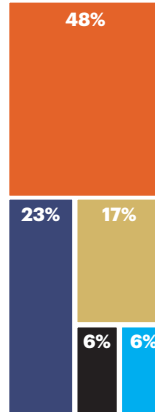


# Survey Questions

## Question 6:

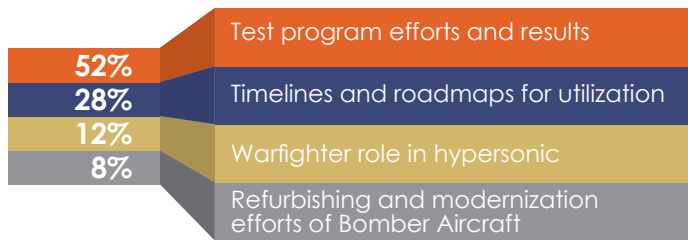
Which is of greatest interest regarding USAF hypersonic efforts?

- 48%** S&T hypersonic road-mapping
- 23%** Future acquisition priorities
- 17%** Near-term trends regarding hypersonic weapon choice
- 6%** Engineering Priorities
- 6%** Collaboration across the Services



## Question 7:

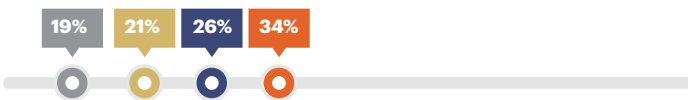
What would you be most interested in learning from AFGSC regarding hypersonic?



## Question 8:

Currently, which is your important to your team's direct line of efforts?

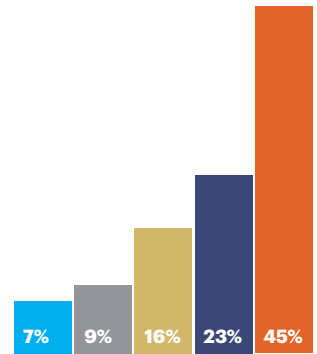
- 34%** Modeling/Data Needs
- 26%** Heat Transfer
- 21%** Propulsion Development
- 19%** Fluid Mechanics



## Question 9:

Which defensive elements of the hypersonic equation are you most interested to learn from USNORTHCOM and NORAD?

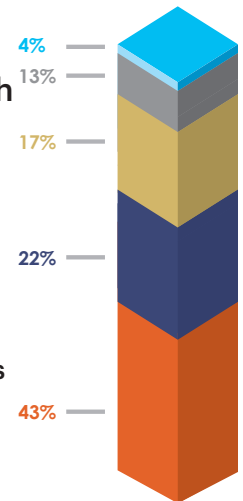
- 45%** Defeat Mechanisms
- 23%** Sensor development Across Space
- 16%** High-speed Tracking of Threats
- 9%** Long-range Detection
- 7%** Advanced Aerospace Warning



## Question 10:

Regarding the Notre Dame's Hypersonic Initiative, of which this most interesting to your team?

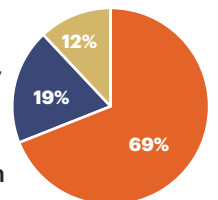
- 43%** Current & Future Collaboration across DoD, Govt, and Military
- 22%** Ongoing testing needs
- 17%** Enabling Partnerships Across the DoD and Services
- 13%** Wind Tunnel Lines of Effort
- 4%** Enabling a "Quiet" Wind Tunnel



## Question 11:

Which major function of the recently stood up Joint Hypersonic Transition Office is of most interest to you and your organization?

- 69%** DoD strategy and roadmap for hypersonics S&T
- 19%** Establishing a National University Consortium for Applied Hypersonics
- 12%** Workforce development efforts in the space





# HYPERSONIC WEAPONS SUMMIT

April 28-30, 2021  
Online

Near-peer capability development of hypersonic weapons is escalating on a rapid scale, with some claims that United States adversaries are expected to field an operational hypersonic glide vehicle as early as 2022. To balance out the shift of power, the Pentagon completed an additional successful test of a hypersonic glide body earlier this year, as well as the standing up of the Joint Hypersonic Transition Office, all of which is leading the United States on a path to hypersonic deployment that is now closer than ever.

As such, IDGA is pleased to announce the return of the **Hypersonic Weapons Summit, taking place March 29-31, 2021**. Meet with the top minds from the Pentagon, the Services, academia and industry as we discuss the emerging initiatives and focus areas that are critical to understanding the US Military senior leadership approach to the ongoing global proliferation of hypersonic weapons and capabilities for FY2021 and beyond!

## KEY TOPICS COVERED INCLUDE:

- S&T Roadmaps and Timelines
- Workforce Alignment Efforts
- University Consortium Establishment Lines of Effort
- Pushing Onward to 2023 Deployment: Necessary Next Steps
- Technological and manufacturing challenges to be met

**LEARN  
MORE**

