

## BREAKOUT SESSION 13.

### AIR VEHICLE TECHNOLOGY PART 2

**Concern:** UAV seems to be a broad definition. What is the use / intention of those aircrafts?

**Response:** They are focused on performance and reliability.

**Concern:** Is NASA open to emerging manufacturing technology?

**Response:** It is important that the proposal provides a material that can otherwise not be made. Small businesses must be able to also show progress.

**Concern:** How can we identify which part is being targeted by NASA?

**Response:** NASA is really targeting fuselage. It can also be a piece of the fuselage.

**Concern:** What is NASA standard for materials? How do we know what is new versus what is currently being used?

**Response:** NASA is open to new materials.

**Concern:** How do we show where we go in 6 months in Phase 1?

**Response:** You need to describe your plan.

**Concern:** I didn't see any mention of drones (multicopters). We are working on a very innovative design of quadcopter that can change its shape (and flight properties) during flight. Is that something that may be of interest?

**Response:** There is still room.

**Concern:** What does performance mean?

**Response:** The topic is open to definition of what performance means.

**Concern:** Is there any work on aerial vehicle for Mars atmosphere?

**Response:** This is not a part of NASA aero program; more on near Earth.

**Concern:** DoD shows interest in hypersonic glide vehicle? Is that on propulsion?

**Response:** SBIR is narrow and focused on propulsion

**Concern:** What is the stretch goal for a battery?

**Response:** Studies point to 750 watt hours per kilogram