Problem Space Boundaries

<table>
<thead>
<tr>
<th>DOMAIN</th>
<th>PERCEPTION</th>
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<tbody>
<tr>
<td>Low Altitude BVLOS</td>
<td>Privacy</td>
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<tr>
<td>Low Altitude VLOS</td>
<td>Armed drones</td>
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<tr>
<td>Model/Hobby</td>
<td>Interdiction (unfriendly drones)</td>
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<tr>
<td>Public Use Operations</td>
<td>Law enforcement use</td>
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<tr>
<td>Full UAS Integration into the NAS</td>
<td>Noise</td>
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<tr>
<td>Certification</td>
<td>Safety and reliability</td>
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<tr>
<td>CNS MOPS</td>
<td>Understand FAA UAS plans/strategy</td>
</tr>
<tr>
<td>Performance Testing</td>
<td>Use case/operational concept</td>
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<tr>
<td>Spectrum</td>
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<tr>
<td>SW/HW Development, Testing, Cert.</td>
<td>REGULATORY/POLICY</td>
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<tr>
<td>Security</td>
<td>Interdiction (cybersecurity?)</td>
</tr>
<tr>
<td>Privacy</td>
<td>Performance Standards</td>
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<tr>
<td></td>
<td>Policy/Inter-agency collaboration</td>
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<tr>
<td>TECHNOLOGY</td>
<td>Privacy</td>
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<tr>
<td>Big Data Management</td>
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<tr>
<td>Collision Avoidance</td>
<td>Regulatory Flexibility</td>
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<td>Cybersecurity</td>
<td>Safety</td>
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<tr>
<td>Electronic Signatures and Identification</td>
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<tr>
<td>Spectrum</td>
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As expected, the boundaries for this committee's use are very broad and far-reaching

SURVEY RESULTS
**Member Domain**

**Question:**
In what domain is your business involved (select all that apply)?

**Result:**
There is a broad range of organizations representing the many facets that UAS operations will impact. This implies reaching a consensus may be challenging.

**Expectations**

**Question:**
If you are involved in manufacturing or operating drones, how quickly do you foresee being able to operate in the airspace on a routine basis without waivers?

**Result:**
There is a fairly even split between members who build or fly UAVs and those who don’t. Most of those whose organizations do, are expecting quick access for their products and services.
**Speed of Integration**

**Question:**
Choose the statement that most accurately reflects your position [on speed of UAS integration]:

**Result:**
There is a almost an even split of those who feel the integration effort is too slow and those that feel it is appropriately paced. This indicates an area where bridging to reach consensus will be required.

**Intended Use**

**Question:**
If you are involved in manufacturing or operating drones, what is (are) your intended applications?

**Result:**
Wide range of possible uses implies a good cross-section of industry operators. Determining priorities, though, could be a challenge.
Operational Priority

**Question:**
Order the following UAS domain topics in order you think the DAC should address them

**Result:**
The range of priority interests is broad, but there is a slightly greater interest in BVLOS, low-altitude VLOS and Full Access to the Airspace operations.

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Public Perception

**Question:**
What is the biggest public perception issue facing UAS integration?

**Result:**
Members believe the public is primarily concerned about safety and privacy. The committee is close to consensus in this area.
**Regulatory Concern**

**Question:**
What is your biggest regulatory / policy concern?

**Result:**
While there is a broad array of concerns on the regulatory front, **safety** ranks high by the members. Agreement on regulatory concerns will influence mitigating priorities.

**Technological Concern**

**Question:**
What is your biggest technological concern?

**Result:**
**Collision avoidance** is deemed a highly pressing technological concern. Another area where consensus is close, but other opinions must be addressed. Consensus here will also influence priorities.
FAA UAS Integration

Question:
I understand where my interests fit in the FAA's UAS integration strategy.

Result:
Most members believe they understand how their goals can be supported by UAS integration. This aids in focusing consensus building by highlighting the benefits to the organizations of the recommendations they will deliver.

Top Three Issues

Question:
Select the top three topics you think the DAC should address during its first year.

Result:
A wide array of responses indicates work for the DAC in setting priorities. Broad responses indicate consensus could be a challenge. More data (from sub group work) can assist in refining these results to identify the "must haves".
Top Three Issues

Results:
The analysis indicates a close ranking of the top 5 issues. The ranking does not reveal a mandate on industry’s view of what needs to be addressed. Criteria must be developed and agreed upon that can gauge the value gained/cost incurred for each alternative.

Once the criteria are developed, then evaluation by the DAC of the issues against those criteria should drive out the top candidates.

Summarizing Results

There is near consensus on
- Perceived public concerns
- FAA strategic plan alignment
- Technological concerns for industry

Consensus yet to be reached on
- Pace of integration efforts
- Focus of priorities going forward
- Top three issues facing UAVs in the airspace

The team believes they understand public concerns, what the hardest technical challenge is and how their organizations will benefit from UAS integration: build on this mutual creed to forge consensus on priorities.

The wide variety of domains and intended uses for UAVs expressed by the members will naturally lead to a wide variety of priorities. Research, data, and discussion will drive the committee to consensus for priorities on which the FAA should focus.