Suborbital Science Program

Catalog Element Review

Anthony R. Guillory
GSFC/WFF
Platforms in Orange are/will be subsidized by the Suborbital Science Program.

* J-31 may not be available in FY07
Notional Flight Envelopes
Non NASA Aircraft
Procurement Mechanisms

- In Place
  - Subcontracting
    - GSA Airtec (limited to twin turbo props)
    - Ames UARC contract
  - Sole Source (e.g., Dynamic Aviation A-200)
  - DOE/Ames Inter-Agency Agreement
  - LOA with NRL

- Pending Award
  - Blanket Purchase Agreement
Blanket Purchase Agreement

- RFQ for BPA was released in February
- No contract minimum
- Solicited Platform Categories:
  - Manned: Light
  - Manned: Medium
  - Manned: Heavy
  - UASs
  - Lighter-than-Air
- 13 vendors responded
  - Responses in all categories, except Lighter-than-Air
- Targeted for Award in June
- Tasked on a Mission by Mission Basis

Suborbital Science Program
Commercial Platforms

Twin Otter

Caravan

B-200

Aerosonde

Suborbital Science Program
<table>
<thead>
<tr>
<th>Platform</th>
<th>Cost</th>
<th>Flt Hr Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NASA</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC-8</td>
<td>$5M+$300K</td>
<td>$5K</td>
</tr>
<tr>
<td>WB-57</td>
<td>$1M</td>
<td>$3.4K</td>
</tr>
<tr>
<td>ER-2</td>
<td>$1.5M</td>
<td>$3.7K</td>
</tr>
<tr>
<td>P-3</td>
<td>$1.5M</td>
<td>$3K</td>
</tr>
<tr>
<td><strong>Commercial</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twin Otter/J-31/Caravan/B-200</td>
<td>$0</td>
<td>$1K-2.5K</td>
</tr>
<tr>
<td><strong>Other Govt</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOE B-200/NRL P-3</td>
<td>$0</td>
<td>$2.5K-$8K</td>
</tr>
</tbody>
</table>