New Beginnings

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Vanguard 2
Commercial Space Transportation impacts on the American Economy for 2006:

- $139.3 billion in economic activity
- $35.7 billion in earnings
- 729,000 jobs
SpaceShipOne
Commercial Space Launch Amendments Act

- Put Congress and the Administration on the record as supporting the development of commercial human space flight.
- Created a new experimental launch permit for testing reusable suborbital launch vehicles.
- Called for development of needed regulations
- Established an “informed consent” regime for carrying space flight participants.
The Role of Government
Commercial Orbital Transportation Services Program
Suborbital RLVs In Development

Blue Origin

XCOR Aerospace

Armadillo Aerospace

Sierra Nevada

Scaled Composites

Rocketplane Global
AST Website: ast.faa.gov

Commercial Space Transportation Regulations

Legislation
- 49 USC, Subtitle IX, Chapter 701 Commercial Space Launch Activities (PDF)

Regulations
Title 14 CFR
Chapter III—Commercial Space Transportation, Federal Aviation Administration, Department of Transportation

Subchapter A - General
- Part 400 — Basis and Scope
- Part 401 — Organization and Definitions

Subchapter B - Procedure
- Part 404 — Regulations and Licensing Requirements
- Part 405 — Investigations and Enforcement
- Part 406 — Investigations, Enforcement, and Administrative Review

Subchapter C - Licensing
- Part 413 — License Application Procedures
- Part 414 — Safety Approvals
- Part 415 — Launch License
- Part 417 — Launch Safety
- Part 420 — License to Operate a Launch Site
- Part 431 — Launch and Reentry of a Reusable Launch Vehicle (RLV)
- Part 433 — License to Operate a Reentry Site
U.S. Spaceports
International Cooperation
Working Together in Space