

**Office of the Associate Administrator for
Commercial Space Transportation**

Insurance Determinations Requirements

**As of
July 22, 1997**

Orbital Launches

Launch Specific Applications

| Vehicle Company | Year | Launch Site | U.S. Government Property (\$M) | Third Party (\$M) |
|--|-------------|--------------------|---------------------------------------|--------------------------|
| Conestoga EER Systems | 1994 | WFF | \$73.5 | \$13 |
| Conestoga EER Systems | 1995 | WFF | \$88 | \$13 |
| Delta 7920-10 McDonnell Douglas | 1993 | VAFB | \$48.8 | \$41 |
| LMLV-1 Lockheed Martin | 1995 | VAFB | \$27.1 | \$40 |
| LMLV-1 Lockheed Martin | 1997 | SF | \$32 | \$21 |
| LMLV-2 ¹ Lockheed Martin | 1997 | SF | \$9.14 | \$21 |
| Pegasus Orbital Sciences | 1992 | CCAS | \$15 | \$15 |
| Pegasus XL Orbital Sciences | 1997 | Spain | Zero | \$48 |
| Scout LTV | 1990 | WFF | \$21.6 | \$10 |
| Scout LTV | 1990 | VAFB | \$1.6 | \$10 |
| Titan Lockheed Martin | 1989 | CCAS | \$80 | \$215 |

¹ Interim values, subject to change upon completion of the financial responsibility determination for the launch phase.

Orbital Launches

Launch Operator Applications

| Vehicle Company | Year | Launch Site | U.S. Government Property (\$M) | Third Party (\$M) |
|-------------------|------|-------------|--------------------------------|-------------------|
| Atlas | 1989 | CCAS | Site Ops: \$60 | Site Ops: \$30 |
| Lockheed Martin | | | Launch: \$75 | Launch: \$164 |
| Delta | 1989 | CCAS | Site Ops: \$60 | Site Ops: \$30 |
| McDonnell Douglas | | | Launch: \$80 | Launch: \$164 |
| Delta II | 1996 | VAFB | Site Ops: \$42 | Site Ops: \$10 |
| McDonnell Douglas | | | Launch: \$48.8 | Launch: \$40 |
| Pegasus | 1994 | VAFB | Site Ops: \$3 | Site Ops: \$10 |
| Orbital Sciences | | | Launch: \$1 | Launch: \$28 |
| Pegasus | 1997 | CCAS | Site Ops: \$1 | Site Ops: \$10 |
| Orbital Sciences | | | Launch: \$1 | Launch: \$37.5 |
| Pegasus | 1997 | WFF | Site Ops: \$1 | Site Ops: \$10 |
| Orbital Sciences | | | Launch: \$1 | Launch: \$43.5 |
| LMLV-1 | 1995 | VAFB | Site Ops: \$9.88 | Site Ops: \$10 |
| Lockheed Martin | | | Launch: \$27.1 | Launch: \$40 |
| Taurus | 1996 | VAFB | Site Ops: \$27.2 | Site Ops: \$10 |
| Orbital Sciences | | | Launch: \$2.3 | Launch: \$40 |

Sub-Orbital Launches

Launch Specific Applications

| Vehicle Company | Year | Launch Site | U.S. Government Property (\$M) | Third Party (\$M) |
|---|------|-------------|--------------------------------|-------------------|
| Black Brant IX Conatec | 1988 | WSMR | \$1 | \$10 |
| Prospector Orbital Sciences | 1990 | CCAS | \$1 | \$12.5 |
| SMLV AMROC | 1989 | VAFB | \$1 | \$12 |
| Starfire SSI | 1989 | WSMR | \$1 | \$10 |
| Starfire EER Systems | 1992 | WSMR | \$2.5 | \$10 |
| Starfire Black Brant Class EER Systems | 1994 | WSMR | \$3 | \$10 |
| Talos Castor I Orbital Sciences | 1991 | KTF | \$0.3 | \$10 |

Launch Operator Application

| | | | | |
|------------------|------|------|---------------|----------------|
| Aries | | | Site Ops: \$1 | Site Ops: \$10 |
| Orbital Sciences | 1991 | WSMR | Launch: \$1 | Launch: \$10 |

Acronyms

AMROC - American Rocket Corporation
CCAS - Cape Canaveral Air Station, Florida
KTF - Kauai Test Facility, Hawaii
LMLV - Lockheed Martin Launch Vehicle
LTV - Ling Temco Vought
SF - Spaceport Florida
SMLV - Single Module Launch Vehicle
SSI - Space Services, Incorporated
VAFB - Vandenberg Air Force Base, California
WFF - Wallops Flight Facility, Virginia
WSMR - White Sands Missile Range, New Mexico