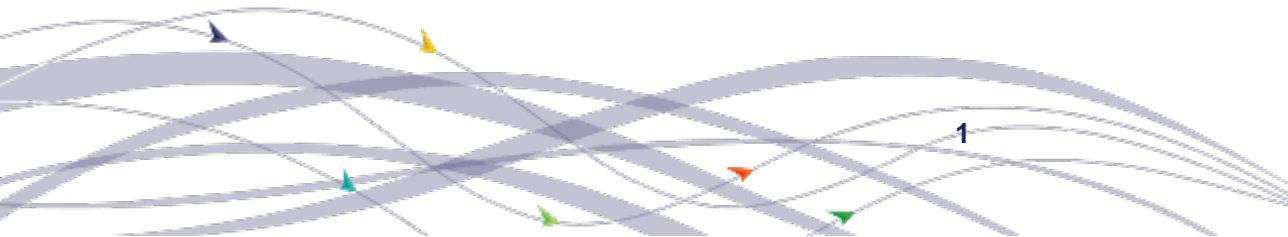


ATCSCC Space Operations Launch Procedures

NSF July 2020



ATO Space Ops

- **Notification**
- **Evaluation**
- **Decision**
- **Airspace Management Plan (AMP) Development and Distribution**
- **Monitor and support**
- **Post Operations Analysis**

Planning and Coordination

Real-Time Operations

Post-Event and Future Planning

Notification

- **T-15 Days - Notice of intent to launch is sent to the ATCSCC (to include)**
 - Launch: site, date/backup date, mission name
 - Primary and backup launch windows
 - Type vehicle and payload
 - Trajectory of launch
 - Aircraft Hazard Area (AHA) locations
 - ALTRV Requests (If needed)

Evaluation

- **Space Ops Will:**

- Review L/R mission information including
 - Safety analysis data
 - Airspace request to protect the AHA's (TFR/ALTRV/ATCAA/SUA etc) per LOA
- Contact affected facilities to gather and share relevant information
 - Discuss preliminary data to identify any areas of concern
 - Ensure affected facilities have all available L/R information

Evaluation

- **Space Ops Will:** Perform NAS Impact Evaluation
 - Enter AHA geographical and altitude definitions, start and end times into NAS Effect Assessment Prototype (NEAP) and Airspace Constraint Analysis Tool (ACAT).
 - Review analysis output metrics (e.g., number of aircraft, additional miles flown, minutes of delay).
 - Share impact analysis with SVRWX and affected facilities highlighting any potential significant NAS impacts requiring L/R mitigation.
 - Develop a plan of action with affected facilities to manage the NAS during launch/reentry.

Decision

The decision to approve or disapprove a launch has many factors:

- Safety
- Commercial vs DOD launch
- Weather
- NAS Impact
- Etc.

AMP

The Airspace Management Plan (AMP) is a high level overview of the NAS impact due to the launch/reentry. The information includes:

- the background of the vehicle
- launch schedule
- hazard area information
- Conclusion
- Illustrations of impact areas

Post Operation Analysis

Post Operation Analysis is a review of the launch/reentry operation to includes but is not limited to the following:

- Success of the launch/reentry
- Traffic Management initiatives
 - Were they effective
 - Where they complied with
- Lessons learned



Sources: FAA and Map Resources. | GAO-17-88



Federal Aviation Administration