



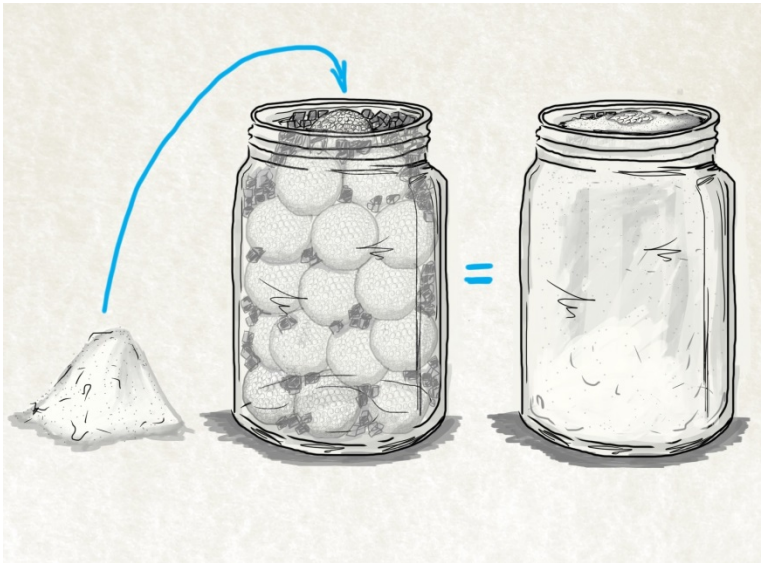
Point Mugu Sea Range Scheduling

Presented by

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Sea Range Scheduling Goal

- The goal of Point Mugu Sea Range scheduling is to meet all customer requirements and utilize the Sea Range to the fullest extent possible.
- We do not use a strict “priority” system. We avoid declaring “winners” and “losers.” Programs are scheduled according to event execution requirements with consideration for program and range constraints.
- Dates and times of events may be adjusted to maximize utilization of the Sea Range and ensure the highest percentage of customer requests are satisfied.



Start with programs constrained to certain dates and times and fill remaining range time with programs that can flex.

Sea Range Schedule Progression

Long Range Forecast



- Snapshot of future months (1-6 months or more).
- Developed after initial contacts with customers.
- Does not contain all event details or approvals.
- Multiple requests for same range time are de-conflicted early.
- Changes to forecast worked jointly with customer.

Two-week Schedule



- Narrow timeframe (current and next two weeks).
- Result of significant time invested in planning, approvals, documentation.
- Multiple requests for same range time have been de-conflicted.
- Allows range resource providers to assess specific support requirements.

Daily Schedule



- Execution plan for that day.
- Culmination of significant time invested in planning, approvals, documentation.
- Last minute changes (cancellations, etc.) may allow standby tests to be conducted.

Schedule De-confliction Guidelines

- **We do everything possible to schedule and support every test as requested. However, conflicting requests for Sea Range time and resources must be addressed.**
- **Can a conflicting event be conducted on a different date or at a different time?**
 - The more flexible the program, the better the Sea Range can satisfy all customer needs.
- **In cases where a schedule conflict cannot be resolved through mutual agreement, the following considerations are taken.**
 - DoD and Joint Chiefs of Staff (JCS) priorities, Joint Urgent Operational Needs and Rapid Deployments, Brick-Bat and Cue-Cap priorities.
 - Acquisition milestones and deploying forces requirements.
 - Program constraints.
 - Special assets availability (ships, off-station instrumentation assets, etc.).
 - Satellite launch windows.
 - Time-of-day requirements.
 - Support team availability.

Weekly Adjustments

- **NAWCWD Spectrum Management Office reviews the Integrated Frequency Deconfliction System (IFDS)**
 - IFDS includes radio frequency schedules from Western Ranges.
 - Highlights potential radio frequency conflicts between users.
- **Potential radio frequency conflicts are worked by NAWCWD Spectrum Management Office.**
 - Conflicts within NAWCWD ranges worked with Range Test Managers.
 - Conflicts with other Western Ranges or other Government and commercial activities are worked with cognizant personnel, including personnel at Edwards AFB, Vandenberg AFB, NASA, or Fleet squadrons.

Policy for Operations Complexity

- **Sea Range workload must not exceed instrumentation setup limitations or the ability of our work force to safely and effectively support.**
- **An operations complexity model is used to manage the scheduling of Sea Range events.**
- **The Policy for Operations Complexity sets complexity limitations to the Sea Range schedule.**
- **The Test Manager sets a complexity metric for a customer event based upon the complexity Policy.**
- **The complexity metric is used by Range Scheduling to...**
 - Set time between operations.
 - Limit concurrent operations.
 - Establish an acceptable level of complexity per Day/Week/Hour.

Customer events are scheduled to keep the overall Sea Range schedule within the limits set by the Policy. Time between events vary based upon event complexity.

Rescheduling Events

- **Scheduling backup events is highly recommended.**
 - Backup events are included in the long-range forecast then carried to the two-week schedule.
 - Backup events typically immediately follow primary events.
 - Example: Tuesday primary, Wednesday backup.
 - Multiple sets of primary and backup events may be added to the long-range forecast as a contingency.
 - Example: First week of July forecasted one primary plus one backup event. First week of August forecasted a second primary and a second backup.
- **Cancelled and scrubbed events will be rescheduled as soon as practical.**

The Sea Range Test Manager is your advocate for scheduling events.

Questions?

Additional information available at...

Naval Air System Command Ranges

<http://www.navair.navy.mil/tande/ranges/>