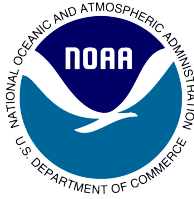


NOAA's Commercial Remote Sensing Regulatory Affairs

Alan Robinson
Licensing Officer



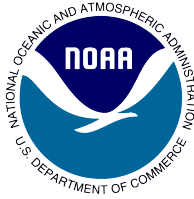
The National and Commercial Space Programs Act of 2010

- **Secretary of Commerce to license**
 - **Delegated to NOAA's Commercial Remote Sensing Regulatory Affairs (CRSRA)**
- **Need a license to operate a **private** remote sensing system in the U. S.**
 - **Private** = Non-U.S. Government
 - **Capable** of actively or passively sensing the Earth



License Process

- **It's FREE!**
- **Your information is proprietary**
- **Go to our website:**
 - **<http://www.nesdis.noaa.gov/CRSRA/>**
- **Complete the “Initial Contact Form”**
 - **Submit by email to: CRSRA@noaa.gov**
- **CRSRA will respond with a determination**



License Process

- **Complete application and send for review**
 - **Do-loop review with CRSRA**
 - **Submit final...paper and e-copy**

Department of Defense

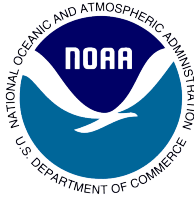
Department of Interior

Department of State

Intelligence Community

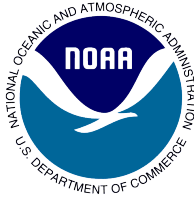
Interagency Reviewers

- **License process completed**



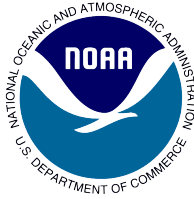
License General Conditions

- **Preserve national security and observe foreign policy/international obligations**
- **Operational control from within the US**
- **Limit collection/dissemination as required**
- **Notify NOAA of foreign agreements**
- **Report deviations & anomalies (even planned)**
- **Data available to the national archive**
- **Disposal plan**
- **Data Protection Plan...approved **prior** to launch**



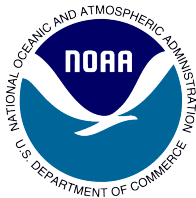
Compliance and Monitoring

- **Launch plans/prelaunch documentation**
- **Audits**
 - **Baseline by all new applicants**
 - **Annual by all licensees**
 - **Quarterly after launch**
- **Annual on-site inspections**
 - **Mission Control Center**
 - **Ground stations**
 - **Bent Pipes**
 - **Downlink receive only**



Licensing Activity

- Explosion of new licensees & licenses
 - 26 issued FY 96 to FY10
 - 46 issued FY10 to present
 - 11 applications in process
 - 22 other entities told they must apply
- Explosion of foreign and domestic Ground Station inspection sites
 - 26 sites at end of FY10
 - 93 current sites--71 locations
 - 10+ sites pending approval
 - 100+ sites anticipated by FY16
- 52 on-orbit satellites...6 on Oct 1, 2010...maybe 100+ on 1/1/2016



Website

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA

COMMERCIAL REMOTE SENSING REGULATORY AFFAIRS

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

[U.S. Department of Commerce](#)

[National Space Policy](#)

[Contact Us](#)

CRSRA All of NOAA

[» SEARCH](#)

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Commercial Remote Sensing Regulatory Affairs Office

Welcome to NOAA's Web Site on the Licensing of Private Remote Sensing Space Systems. This Web Site is intended to provide U.S. laws, regulations, policies, and related information pertaining to the operation of private and commercial remote sensing satellite systems.

Mission

To regulate the operation of private Earth remote sensing space systems, subject to the jurisdiction or control of the United States, while preserving essential national security interests, foreign policy and international



Questions?