Licensing Statistics

73 Current Licensees

Out of 206 historical licenses, there are 98 active licenses that include 1,220 satellites of which 413 are on orbit.

Licensing Numbers

* Data current as of 8/23/2022
Licensing Statistics

Series 1

Number of Days

Calendar Year


175  139  86  59  64  48  33  24

* Data current as of 8/23/2022
Compliance Inspections

- 762 licensed ground stations
  - 418 active
  - 178 inspected

- Priorities
  - T2 & T3 MCC
  - IA interests

- 44 sites inspected since July 2021
  - Resulting in 8 investigations

* Data current as of 8/23/2022
Purpose

The purpose of this working session is to discuss the growing set of Guidance Circulars (GCs) that are being developed and published by CRSRA. Committee members may:

- Suggest new topics for development into future GCs
- Suggest edits to existing GCs
Definition

Guidance Circulars (GC) are intended to provide clarity to the public regarding existing requirements under the law or NOAA regulations or processes.

- Living documents that are continuously updated
- Do not have the force and effect of law
- Published at https://www.nesdis.noaa.gov/commercial-space/regulatory-affairs/licensing/authorities
Current Guidance Circulars

Published

– US Person/Operating
– Scope of Affiliates and Subsidiaries
– Radar General Image Quality Equation (RGIQE)
– Mission Assurance
– Submitting Data from Tier 3 Remote Sensing Systems for Evaluation
– Cybersecurity

In Development

– Ground Station Classification and Testing
– Instrument Classification and Tiering Using FWHM
US Person/Operating

- Applicable Regulation: 15 C.F.R. 960.4

- Outlines the jurisdiction of CRSRA’s authority by defining the terms “operate,” “person,” and “U.S. Person”

- Provides general examples of various domestic and international corporate structures
Scope of Affiliates and Subsidiaries

• Applicable Regulation: 15 C.F.R. 960.16

• Further outlines the jurisdiction of CRSRA’s authority by defining terminology related to “subsidiaries or affiliates that play a role in the operation of the system”

• Provides further examples of domestic and international corporate structures
Radar General Image Quality Equation (RGIQE)

• Applicable Regulations: 15 C.F.R. 960.6(a); Appendix A

• Defines CRSRA’s methodology for comparing the capabilities of synthetic aperture radar (SAR) systems using the RGIQE equation

• Provides example calculations for various SAR systems
Mission Assurance

- Applicable Regulation: 15 C.F.R. 960.2(b)
- Defines CRSRA’s methodology for determining whether a remote sensing instrument qualifies for the mission assurance exemption (i.e. does not require a license)
- Provides examples of instrument types and use cases
Submitting Data from Tier 3 Remote Sensing Systems for Evaluation

• Applicable Regulation: 15 C.F.R. 960.10(b)

• Outlines CRSRA’s process for collecting and evaluating data from Tier 3 Licensees for the purpose of starting the one-year clock on temporary license conditions

• Provides examples of data types and formats, as well as transfer processes and protection requirements
Cybersecurity

- Applicable Regulation: 960.9(a)-1
  
  - Provides CRSRA’s view of successful cybersecurity measures, identifying those that are required, so that operators can develop and operate a system that is resilient to cyber attacks.

- Provides extensive references as well as a detailed process for each segment of a space system
Ground Station Classification and Testing

- Applicable Regulation: 15 C.F.R. 960, Appendix A
- Defines CRSRA’s classification system and requirements for the inclusion of ground stations in applications and licenses related to standard use and testing purposes
- Provides examples of various ground station types and use cases
Instrument Classification and Tiering Using FWHM

- Applicable Regulation: 15 C.F.R. 960, Appendix A

- Defines CRSRA’s methodology for the classification and comparison of remote sensing instruments based on phenomenology, intended use, and spectral range using full width half maximum (FWHM)

- Provides examples of various types and use cases
ACCRES Working Discussion

- Other items or areas should CRSRA consider for GCs?
  - Develop a list of items with initial/target high-level details

- Changes to existing GCs??
  - Committee to make recommendations for changes