

The Coordination Process

Frequency Coordination is a cooperative process that involves the sharing of technical information between parties utilizing the same spectrum. The Frequency Coordination Process involves three distinct but interrelated elements: Interference Analysis, Prior Coordination Notification, and Response.

Protect Your System From Interference

Subscribe to an interference protection service that will receive, analyze, and respond to PCNs on your behalf. For more information on Comsearch's Interference Protection Services, please contact us at (800) 318-1234 or by email at customersupport@comsearch.com.

1. Interference Analysis

The FCC requires that applicants engineering a new system or making modifications to an existing system conduct the appropriate studies and analysis to choose frequencies that avoid interference in excess of permissible levels to existing users.

2. Prior Coordination Notification (PCN)

Once an interference analysis has been completed, and prior to an FCC Application Filing, an applicant is required to notify all "potentially affected parties" of the technical operating parameters for their proposed new or modified system.

Potentially Affected Parties

The industry defines an operator as potentially affected if their facilities (including proposed, applied-for, or licensed) are located within a defined coordination distance and operate in the same frequency band. The Coordination Distance for systems below 15 GHz is 125 miles in most directions (250 miles +/- 5 Degrees of the Main Beam path).

3. Response

The recipient of a PCN has 30 days to analyze the proposal for potential interference and respond. If the analysis indicates that interference may exist, then the response should object to the proposal with technical data sufficient to substantiate the objection. The party issuing the PCN is required to resolve all potential conflicts to the satisfaction of the objecting party.

Do you have to receive notifications?

No, you can request that the coordination agent not distribute PCNs to you. However, you are surrendering your right to review proposed systems that may result in operational interference. To insure system protection, all new systems or changes in your area should be closely reviewed.



Interference Protection Services

Quality, Reliability & Experience

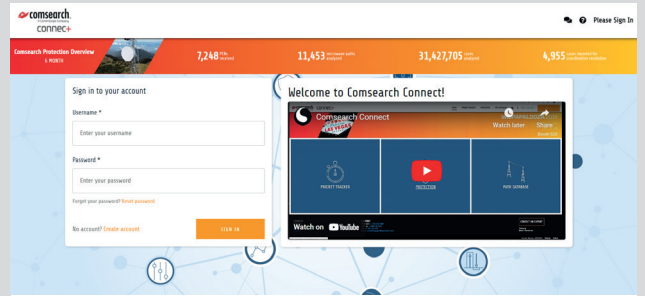
To understand the benefits of securing Comsearch for your coordination tracking services, please review the comprehensive components included in our services on the next page >>>

Databases

- The most complete and accurate source of proposed, applied and licensed microwave and satellite data in the industry.
- Maintenance staff of database technicians that monitor FCC applications, public notices, prior coordination notices, and other sources.
- Full complement of in-house technical databases including all available manufacturer's radio specifications and filter curves, antenna patterns, terrain data, and other technical resources necessary to ensure accurate engineering calculations.
- Verification of system changes directly with the individual licensees.
- Full update and management capabilities—many competitors rely on databases containing dated FCC information with limited updating allowed.
- Our frequency protection client base includes thousands of systems, resulting in immediate access to the most recent updates and deletions available.

Software

- Our engineering software has been time tested by thousands of successfully coordinated and operating microwave and Earth Station facilities.
- New techniques continually developed to accommodate changes in spectrum allocations and FCC regulations.
- On-staff software engineers and programmers maintain numerous proprietary engineering programs, along with hundreds of support programs.
- Unmatched expertise in frequency engineering software design.



Comsearch Connect—Customer Portal 24/7 Access

- Monthly Frequency Protection Reports
- Detailed Reported Case Information
- Prior Coordination Notice Information
- Tracking of Coordination Projects in Progress
- Download/View Ability for Supplemental Showings/Warning Docs

Engineering Expertise

- Independent department dedicated solely to interference protection services
- Standards and objectives maintained in all situations.
- PhD and MSEE engineering support.
- Active participation in industry groups (NSMA, IEEE, TIA, FWCC, etc.).
- FCC rulemakings actively reviewed and official comments filed.



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