



# Spectrum Sharing Committee Policy and Procedure

## Coordinated Periodic Activities Policy

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According to WinnForum requirements, SASs shall collaborate to determine CBSD power allocation in a substantially similar fashion. In order to achieve synchronous power allocation among all SASs, a procedure called Cooperative Periodic Activities among SASs (CPAS) is defined. CPAS is a periodic process performed by all SAS Administrators synchronously.

CPAS is defined as the following process:

Every 24 hours, starting at time  $T_1$ , all SASs perform the following functions synchronously:

1.  $T_1$ : Each SAS creates a Full Dump Record (all data should be “the state as of  $T_1$ ”), including
  - a. All CBSDs with at least one active grant
  - b. All existing active grants i.e. all grants which should be used in IAP.
  - c. All PPAs
  - d. Location, Antenna characteristics, and Protection levels of all ESC sensors
2. At time  $T_2$ 
  - a. Each SAS pulls Full Dump Record from all other SASs
  - b. Each SAS Synchronizes with all external databases (FCC & WinnForum)
3. Upon completion of step 2, each SAS performs Pre-IAP filtering activities in the following order
  - a. Determine conflict grants, i.e. CBSDs having approved grants from multiple SASs simultaneously, and remove those grants from the rest of process

- b. Apply Exclusion Zone (EZ) protections; CBSDs within the EZ, with the grants associated to the EZ, are removed from the rest of process for the EZ corresponding channels.
    - PPA,
    - GWPZ
    - Part 90 subpart Z (GWBL stations within 150 km of FSS operating within 3650-3700 MHz),
    - All Inlands federal radars protected by Exclusion Zone.
  - c. Calculate FSS Purge List for all FSS stations with TT&C = ON. The purged CBSDs are removed from the rest of the process
4. Upon completion of step 3, using the exchanged records, All SASs perform the following activities independently:
    - a. Using *maxEirp* (within *requestedOperationParam* for CBSDs managed by other SASs if provided, otherwise within *operationParam*), run IAP Algorithm to protect all non-Federal higher tier protection entities (GWPZ, FSS Co-channel, FSS blocking, PPAs and ESC sensors),
    - b. Using *maxEirp* (within *requestedOperationParam* for CBSDs managed by other SASs if provided, otherwise within *operationParam*), perform DPA Move List Calculation for all offshore and inland DPAs,
  5. At Time T3: Each SAS responds to all CBSDs that it manages and require power decrease (termination through *heartbeatResponse*).
  6. At time T3 + 240 sec: Each SAS may respond to all CBSDs that it manages and allow power increase, and responds to new grants whose requested *maxEIRP* is approved.

The values of T<sub>1</sub>, T<sub>2</sub>, and T<sub>3</sub> are determined and agreed upon by all SAS administrators.