

August 28, 2007

**Requested Contents  
For  
Advanced Wireless Services (AWS) Coordination Requests  
For the 1710 – 1755 MHz Band  
Submitted to the Department of Energy**

Advanced Wireless Services (AWS) licensees are requested to include the following key elements and contents in Coordination Requests submitted to the Department of Energy (DOE).

Based on experiences with initial Coordination Requests received by DOE, the requested elements and contents listed below have been assessed as necessary requirements towards providing a complete Coordination Request. When the following elements and contents are provided, a more rapid response to the AWS Licensee would be expected.

**1. AWS Licensee Cover Letter including the following information:**

- a. Company Name, Address, Point of Contact, and Date of Submission
- b. DOE Frequency Assignment involved (if multiple, an attached listing is acceptable).
- c. Related AWS license owned by the Licensee (if multiple, attached listing is acceptable).
- d. Specific statement as to whether the Licensee's baseline (worst case TSB-10F) analysis of the potential for interference to the associated DOE system indicates potential harmful interference or not for each DOE Frequency Assignment.
- e. Summary statement as to whether the AWS Licensee's analysis results indicate that sharing (1) would be possible, (2) would not be possible, or (3) would be possible with the implementation of certain mitigation measures for each DOE Frequency Assignment.
- f. Whether the AWS Licensee proposes to implement mitigation measures in order to reduce the level of potential harmful interference and what mitigation measures are proposed.
- g. Specific statement as to whether the Licensee's analysis of the "mitigated approach" for the potential for interference to the associated DOE system indicates potential harmful interference or not.

**2. Baseline Interference Analysis (Worst-Case):**

- a. Analysis results based on TSB-10F methodology and associated interference objectives.
  - i. Results of interference potential from the aggregation of mobiles associated with each base station (or sectors associated with each base station) into the DOE radio receiver (i.e., Base Station 1 results, Base Station 2 results, . . . Base Station n results).
  - ii. Results of aggregate interference potential from mobiles associated with all base stations in the deployment area.
- b. Key assumptions used in the methodology.
  - i. Number of mobiles assumed per base station or per sector for purposes of aggregation.
  - ii. Power output of mobiles (peak and average).
  - iii. Height of mobiles.
  - iv. Propagation model used.
  - v. Mobile aggregation assumptions (e.g., location as Center of a Defined Area, worst-case perimeter point, uniformly distributed, etc; usage factor adjustments, etc.)
  - vi. Number and type of channels including center frequencies and bandwidths used by the AWS technology.
  - vii. AWS modulation/demodulation technology
  - viii. Other applicable assumptions.
- c. Advanced Wireless Service system deployment data
  - i. Base station identification information (unique identifier for each base station, latitude and longitude, planned cell radius) in Excel® format.
  - ii. Geographical depiction of base station locations and associated coverage area.
  - iii. Planned activation date for deployment area, to include any applicable time phasing information.

**3. Mitigated Approach Interference Analysis:**

- a. Analysis results based on TSB-10F methodology, associated interference objectives, and incorporation of mitigation measures.
  - i. Results of interference potential from the aggregation of mobiles associated with each base station (or sectors associated with each base station) into the DOE radio receiver (i.e., Base Station 1 results, Base Station 2 results, Base Station n results).
  - ii. Results of aggregate interference potential from mobiles associated with all base stations in the deployment area.
- b. Key assumptions used in the mitigated methodology (Only if different from paragraph 2.b. above).
- c. Advanced Wireless Service system deployment data (Only if different from paragraph 2.c. above).