814 Area Code Technical Conference Questions

The following questions are specifically for Businesses:

- 1. Does your business currently use ten-digits (not including a toll free number) on your stationary, signage, vehicles or advertisements?
- 2. If you use ten-digits currently, what will it cost your business to change its stationary, signage, etc., if you receive the new area code as a result of a geographic split?
- 3. If you use seven digits currently on your stationary, signage, advertising, etc., what will it cost your business to add the area code prefix if there is an overlay in which ten-digit dialing is mandatory?
- 4. What would it cost your business to update stationary, signage, advertising, etc. if you needed to add any additional telephone line(s) but had to receive a number from the overlay area code?
- 5. What would the cost to your company be to update its business contacts and inform them if you added additional telephone line(s) and received a number from the overlay area code?
- 6. What would the cost be to your company to update its business contacts and inform them of an area code change if a geographic split is implemented?
- 7. What other costs to your business do you foresee relative to an area code split?
- 8. What other costs to your business do you foresee relative to an area code overlay?

The following questions are specifically for Alarm companies:

- 1. Under a split, how much would it cost the alarm companies and their customers to reprogram?
- 2. Under an overlay, how much would it cost the alarm companies and their customers to reprogram to 10 digit dialing?
- 3. In either relief scenario, what percentage of the reprogramming costs would the consumer bear?

The following questions are specifically for telecommunications or other communications carriers:

- 1. What are the cost differences to the telecommunications carriers to implement a geographic split vs. an overlay?
- 2. Please explain in detail what technical complexities of the network, local exchange routing guide (LERG) database and local number portability (LNP) issues that would have any adverse impact on call completion for both an overlay and geographic split.
- 3. Please address the following issues as well as any other technical issue that may be applicable in this regard:
 - a. Provide the necessary technical explanations, accompanied by network diagrams or any other appropriate schematics, as to why there is a real or perceived probability of call completion failures if a geographic split or an overlay is implemented. Please reference appropriate historical operational experience in this and other jurisdictions and how related technical problems, if any, were handled and resolved.
 - b. Provide the necessary technical explanations on whether existing call routing and switching technologies are or are not capable of optimally handling the implementation of a geographic split or an overlay. Please address the interaction and the interface between different technologies such as soft and conventional public switched telephone network (PSTN) digital switches, as well as any communication protocol conversions that may be implicated, e.g., traffic conversions from time division multiplexing (TDM) to and from Internet Protocol (IP). Is there any possibility that the geographic split or the overlay alternative may negatively affect such conversions which under normal operational circumstances are completely transparent to the end-users?
 - c. Please address issues and ease of coordination between telecommunications and communications carriers (including entities that may not be subject to the direct jurisdiction and regulatory oversight of the Commission) with respect to the implementation of the geographic split or overlay alternative. Is one alternative more preferable than the other and why when it comes to such carrier coordination?
- 4. Would there be any 911 issues in the implementation of either relief method?
- 5. Will either the geographic split or the overlay alternative impact in the same technical and operational fashion both the incumbent and competitive providers of 911/E911 services (inclusive of automatic location identification or ALI databases) both for

wireline and wireless 911/E911 call traffic? If this is not the case, please provide the appropriate technical explanations inclusive of network diagrams and/or other proper schematics.

- 6. Will a geographic split or an overlay alternative change or have any impact on the needed coordination between incumbent and competitive providers of 911/E911 services and facilities (inclusive of automatic location identification or ALI databases)? If this is the case provide the appropriate technical explanations.
- 7. Is there any historical operational experience indicating any technical issues with the appropriate processing of wireline or wireless 911/E911 calls under the geographic split or overlay alternative? If there have been such technical issues please provide their timing and location of their occurrence and the appropriate explanations on how such issues were resolved.
- 8. Is there any historical operational experience indicating whether 911/E911 wireline or wireless calls that may have been carried through a variety of communication protocols, e.g., Voice over the Internet Protocol (VoIP), were in any way affected by the implementation of either the geographic split or overlay alternative. Provide the appropriate technical explanations of how related technical issues were resolved to the extent that such issues occurred with either of the relief alternatives.