

Background/Contact Information

1. Carrier Identifying Information:

BRK Wireless Company, Inc.
D/b/a Amica Wireless Phone Service, Inc.
TRS #: 818708

2. Contact Information:

Derrick Murray
Manager, Network Engineering/Operations
Tel: 319-339-1591
FAX: 319-339-1592
Email: dmurray@amicawireless.com

E911 Phase II Location Technology Information

1. Type of Technology:

Amica Wireless Phone Service, Inc. has chosen to use a handset-only solution across all areas of our network. The BTA's to be served will include:

- Bloomington, IL
- Champaign, IL
- Decatur, IL
- Springfield, IL
- Mason City, IA
- Ft. Dodge, IA
- Marshalltown, IA
- Ottumwa, IA
- Burlington, IA
- Galesburg, IL
- Peoria, IL
- Danville, IL
- Jacksonville, IL
- LaSalle-Peru, IL
- Mattoon, IL

Vendors will be chosen upon handset availability. Among those that will be considered: Kyocera (Qualcomm), Nokia, Motorola, Audiovox, etc. Amica Wireless will also use Lucent Technologies as the infrastructure vendor of choice to deliver location information to the various PSAPs.

2. Testing and Verification:

Amica Wireless shall perform testing in accordance with OET Bulletin No. 71, which outlines methods to perform and validate testing schemes. Using this Bulletin as a guide, Amica Wireless will perform the following actions to test and verify its solution:

1. Amica Wireless will generate a set of 100 random sample point testing locations within our service using a random number generator. Those samples generated that are out of the service

area shall be dropped and regenerated to ensure all points are within a reasonable coverage area.

2. Amica Wireless will then verify the true location of these points using highly accurate mapping resources with the aid of DGPS to maximize the accuracy of the sample point locations.
3. Amica Wireless shall make 911 calls from each of these 100 sample points and obtain resulting coordinates as reported by the switch to the proper PSAP.
4. Each of the reported coordinates will be compared with the "true" location, and the error will be quantized and ranked according to error distance.
5. As outlined in OET Bulletin No. 71, the results will be tested against the following criteria: if the 74th largest error is less than 50 meters, and the 100th largest error is less than 150, then the system will be deemed acceptable, otherwise the system is deemed unacceptable, and work will continue to achieve the proper accuracy.

3. Implementation Details and Schedule:

Several items are required to successfully implement and test the Phase II ALI system:

- E911 Phase 2 optional feature on Lucent Autoplex System
- Acquisition of ALI capable PCS/CDMA handsets
- Interface to local PSAP(s)
- Integration to E-911 Selective Router(s)

Amica Wireless will provide its best effort to implement all of these needed changes before the October 1, 2001 deadline. Successful implementation of Phase II will also require the efforts of individuals and groups not associated with Amica Wireless, possibly causing delays that are out of our control. To this end, a tentative schedule of events is as follows:

- E911 Phase 2 optional feature implemented – 6/1/01
- ALI capable handsets acquired – 9/15/01
- Interface to local PSAP(s) completed – 9/20/01
- Integration to E-911 Selective Router(s) completed – 7/15/01

4. PSAP Interface

Two new features/changes are required to implement a PSAP Interface:

- Trunking into local E-911 Selective Router(s)
- SS7 Route to local PSAP(s) to provide lat/long data

Trunking into local E-911 Router(s) will require Amica Wireless to obtain new T-1 facilities from its Point-of-Presence (POP) to the specified Selective Router(s). Additionally, capacity within the Amica Wireless switch will need to be provisioned and set aside for these new trunks. Software provisioning and turn-up of these trunks will then need to take place in order for the trunks to function as desired.

An SS7 route to the local PSAP(s) will also need to be established. This will require Amica Wireless to work with our existing SS7 provider to obtain the desired connectivity. Amica Wireless will also need to implement the new route in their switch via software changes and provisioning.

5. Existing Handsets

Amica Wireless will implement the following strategy to integrate new handsets into its network, and meet the required handset sales requirements in the mandated time frames:

- Amica Wireless will evaluate and test all new ALI-capable handset models available prior to the October 1, 2001 deadline to create a list of acceptable ALI-capable phones.
- By October 1, 2001, Amica Wireless will begin selling at least one phone model capable of providing its location information. After October 1, 2001, Amica Wireless will continue to market and sell additional phone models that are deemed to have “acceptable” quality and price.
- Amica Wireless will use the phones’ ALI-capability to promote end-user benefits in order to encourage ALI-capable handset sales.
- Amica Wireless will price ALI-capable handset models accordingly to meet all specified handset sales percentage mandates as outlined in the FCC’s CC Docket No. 94-102.

6. Location of non-Compatible Handsets

Amica Wireless will continue to provide PSAP(s) with cell site/sector information for 911 calls from non-ALI compatible handset, as required by the FCC’s E-911 Phase I mandates. Handsets that are not compatible with Amica Wireless’ ALI scheme will also use cell site/sector information as the best effort location method instead of latitude/longitude coordinates.