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A PSAP Guide to Phase II

What's Different and
what remains the same ???

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QUESTIONS?

A PSAP Guide to Phase II

This information is believed accurate, but was gathered from multiple sources.

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The information presented may change, and new technological developments may render some or all of it out of date.

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(Network versus handset based)

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Remember:

- Your equipment will affect your experience.
- Carrier's location technology has some effect, but not very much. (Network versus handset based)
- Phase II builds on Phase I information and technology, and Phase I is the fallback if Phase II fails.

Are You "Ready" for Phase II ??



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- Can your 9-1-1 SSP deliver coordinate information?

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- Can your 9-1-1 SSP deliver coordinate information?
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Are You “Ready” for Phase II ??



- Mapping is NOT a requirement for Phase II readiness, as far as wireless carriers are concerned.
- IF you can receive and “make use” of the coordinate information.

Building Phase II Service



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- For them, deployment amounts to a construction project.
- 50% within six months, 100 % within 18 months (this may vary).

Network Based Solution

- All Phase II technology is in the network, at the sites and at network centers.



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- The customer does not need a new or special handset to be located by the Phase II technology.



Network Based Solution

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- 100 meters 67% of the time, and 300 meters 95%.



Handset Based Solution

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- Compliance deals more with how many customers are carrying phones with AGPS chipsets in them.
- AGPS: Assisted Global Positioning System. Uses GPS satellites and network assistances.



Handset Based Solution

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- Older handsets, without the AGPS chip, can only make Phase I calls. Phase II cannot locate them.
- Handset based carriers usually have six months to complete a Phase II request.



Phase II: Behind the Scenes

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- Customer dials 9-1-1 and presses “Send.”
- The 9-1-1 call follows Phase I routing, which is already in place.
- The location estimate can take up to 30 seconds to be computed. This is done by the MPC, Mobile Positioning Center.



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- MPC comes up with an estimated location.
- ALI Record is updated with coordinate information.
- Rebid: Operator must refresh the ALI display to get coordinate information. Check the COS (Class of Service) field on the ALI screen.



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- Rebid, refresh, retransmit, RTX, maybe another term. It all means the same thing!



How's that Again ???

- COS: Class of Service

Residential = RESD

Business = BUSN and so forth.



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- COS: Class of Service
Residential = RESD
Business = BUSN and so forth.
- Wireless has several terms for COS, such as WRLS, MOBL, WPH1, WPH2.

These are your clues!



WIRELESS Class of Service Terms

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- **WRLS** – Means a Phase I call
- **WPH1** – You are seeing Phase I information, but the call is Phase II capable.

Press Rebid after 30 seconds AND ...

- **WPH2** – ALI screen refreshes and you should have coordinates on the screen.

WIRELESS Class of Service Terms

CAUTION: Your 9-1-1 SSP (System Service Provider) may use different terms in the COS field.

Check with them to be sure!

Certain restrictions apply, your mileage may vary and you do not have to be present to win...

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- Do not rebid more often than every minute after the first rebid. Longer is better.
- This feature is not supported by all 9-1-1 SSP's in their ALI signaling. Check with yours.



Phase II Do's and Don'ts



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- Do not assume caller is right on the dot. Advise responders "... subject is in the vicinity of..." an address or landmark.



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- **DO:** Always ask where help is needed. Most of the time, they can tell you. No rebid necessary!
- **DO:** check the COS field to determine when you need to rebid.
- **DO:** Remember for rebids, use the 30, 60, 60 rule



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Thanks for Coming!

Any Questions ???



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WIRELESS 24-hour number for public
safety:

1-800-635-6840