

Washington Parish Communications District

805 Pearl Street
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(985) 839-5625

Wireless Testing Requirements

To ensure the quality and integrity of wireless 9-1-1 service in Washington Parish, Louisiana, it is imperative that proper notification, processing of site provisioning documentation and appropriate site testing be conducted.

To facilitate the timely deployment of new or changed sites it is strongly recommended that the Wireless Service Provider contact the appropriate Washington Parish resources, as noted below, with sufficient notice to enable the processing of site information and scheduling of coordinated testing.

Organization	Name	Title / Function	Telephone	E Mail
W.P.C.D.	Joanna Thomas	Parish 911 Coordinator	(985) 839-5625	Wpcde911@itsfast.net
GeoComm	Ron Bloom	Wireless Project Coordinator	(708) 870-2911	rbloom@geo-comm.com
Gage Telephone	On Call Technician for 911	Emergency Testing Coordinator	(800) 960-0032	jason@gagetelephone.com

GeoComm, 601 W. Saint Germain Street, Saint Cloud, MN 56301, has been contracted by Washington Parish to provide wireless maintenance services through April, 2006.

Gage Telephone, 11815 Sun Belt Court, Baton Rouge, LA 70809, has been contracted by Washington Parish to provide a single point of contact for maintenance and operational related equipment issues including wireline and wireless issues.

Turn Up of New Sites - General

For testing appropriate for scheduling (turn up of new sites), contact Marty Bausano for processing of routing sheet if such has not already been done. The wireless service provider / third party representative will need to furnish routing sheet and tower propagation map to GeoComm for review and processing. Routing sheets should be received by GeoComm no less than 15 business days prior to the targeted turn-up date of the new site.

Once routing sheet has been approved, contact Ron Bloom, and Joanna Thomas to schedule profile and drive testing and provide conference bridge information for such testing. Typically, 2 - 5 business days notice will be required.

The wireless profile and drive test parameters are intended to test all phone types / services that are offered by the Wireless Service Provider to ensure proper routing, call display and location accuracy.

Such phones would normally include :

- Legacy, TDMA, GSM phones

- Provisioned / Initialized
- Unprovisioned / Uninitialized (new / out of box)
- Deprovisioned (prior activation / cancelled)
- Roamer
- Prepaid (with / without minutes)
- Suspended Service
- International
- Other services as provided by the WSP

Turn Up of New Sites - Profile Testing

Test call(s) from each phone type / service from the first sector of a site to ensure proper switch translations are in place. Profile testing shall be required for the initial deployment of wireless 9-1-1 service or at any time MSC impacting activities takes place requiring revalidation of call routing information (ie., new technology is added, new MSC, MSC rehome, etc.). Services / phone types to be tested to include: initialized, uninitialized, deprovisioned, roamer, pre-paid, suspended service, international and additional applicable services offered by the Wireless Service Provider to their subscribers. Overflow (trunks busy) ; Alternate (trunks out of service) and default (switch level) should be included in the test plan.

Profile testing is required for the initial deployment of a wireless service provider ; as new sites are added or changed only drive testing will be required as follows. In the event of a technology overlay, rehome or other switch related activity profile and drive testing will be required to ensure all phone types and services work properly. Upon successful profile testing drive testing will be scheduled.

Drive testing: Test calls shall be made from each site / sector of the planned site(s) – using an “initialized” phone .

Turn Up of New Sites - Drive testing

The remaining sectors will require (1) call from a provisioned phone set. In the event there are ALI data and/or location accuracy issues multiple calls may be necessary. We will require the call taker to validate the x/y of their location and/or validate the physical address location.

Errors : variance in call data displays and/or routing will be noted and addressed either during testing or through follow-up with the WSP / Third Party.

Prior to Testing

The wireless service provider shall provide Washington Parish a copy of the Test Validation Worksheet (representing the final data to be tested) and conference bridge information for all participants. The drive tester should be equipped with all final routing data for validation with the PSAP(s).

During Testing

Upon dialing 9-1-1 the drive tester shall advise the call-taker that this is a “non-emergency” test call and the following information shall be verified:

- Name of PSAP call routed to

- Call back number
- pANI or ESRK
- Class of service
- Cell site address as it appears on the CPE, including prefixes and suffixes
- After 15-20 seconds request a “rebid” or “retransmit ALI”
- Verify that the class of service has changed to WPH2
- Verify latitude and longitude coordinates
- Verify location of the drive tester

For new / changed sites a minimum of (1) test call from each sector will be required ; multiple calls may be requested by the PSAP dependent upon quality and accuracy of the data received.

At the PSAP we will validate :

- Phase 1 call data to include : ESRK, CBN, Tower address / sector ALI format, ELT ; display of P1 cell sector map data, call back number
- Phase 2 call data to include : ESRK, CBN, Tower address / sector ALI format, ELT, x/y coordinate information ; validation of caller location ; measurement of P2 / tester location to map data.
- Multiple rebid capability / dynamic ALI updates
- Overflow (Busy) , Alternate (Busy), Default routing arrangements

Authorization for P2 cutover will be dependent upon the quality of data received at the PSAP(s) and location accuracy of the drive tester. Errors discovered during testing will either be corrected during the testing process or noted for later correction and retesting (as needed).

Maintenance Activity

It is in the best interest of the Wireless Service Provider and their customers to keep the Parish apprised of plans to add and/or change cell sites.

Adds, Moves, Changes: Add On and/or future Maintenance Sites: We will require a minimum of (30) days notice for receipt and processing of call routing spreadsheet / RF coverage maps for any “new” or “changed” sites . All new or changed sites must be field tested in accordance with the above testing parameters and scheduled, in advance, with the 9-1-1 Coordinator. Please contact the the Communications District early on to ensure the timely provisioning, testing and turn-up of planned sites.

Emergency Testing Activities

Please contact the 24 x 7 telephone number for Gage Telephone and advise the on call 911 Technician for Washington Parish and advise them of your needs. The Gage Telephone representative will coordinate with the PSAP’s and the Communications District.