**Section 1325.500 Testing Procedures**

a) The 9-1-1 Authority shall prepare a written test plan to be submitted as an exhibit to the final plan filled with the Administrator, pursuant to Section 1325.205. The test plan will explain how the 9-1-1 Authority plans to perform its testing in conjunction with the 9-1-1 system providers and carriers.

b) The 9-1-1 Authority shall ensure that proper field testing and data verification has been performed on access lines in the 9-1-1 service area as prescribed in this subsection (b). The testing shall include each NXX for every telecommunications carrier and for every ESN within each service area prior to the 9-1-1 system being able to announce its availability to the public.

1) New 9-1-1 system, or a new 9-1-1 system consolidating with an existing 9-1-1 system: 10% of the new portion only shall be tested;

2) Change of 9-1-1 system provider, conversion to NG9-1-1, consolidation of an ETSB with a rerouting of calls to a different PSAP, and consolidation with a reduction of PSAPs with the same ETSB: a sample of each exchange, 2 test calls per type of service; i.e., each land-line carrier (2 calls each), each wireless carrier (2 calls each), each Interconnected VoIP provider (2 calls each, if known); and

3) Other changes to a 9-1-1 system, not outlined in subsection (b)(1) or (2): testing as directed by the Department's Office of the Statewide 9-1-1 Administrator.

c) The 9-1-1 system provider may not cut the 9-1-1 system live until the 9-1-1 traditional legacy service database is at a 1% or less error ratio, pursuant to ETSA Section 750/15.4(d). Errors found during testing shall be corrected prior to cutting the system live.

d) The 9-1-1 Authority is responsible for ongoing testing once the 9-1-1 system is on-line and shall, at a minimum, include the following:

1) The 9-1-1 Authority shall conduct testing, including, but not limited to, the 9-1-1 database, networking, system overflow, system backup, default routing, and call transfer on a continuing basis to ensure system integrity. The testing shall be coordinated in advance and in conjunction with the 9‑1‑1 system provider and carriers.

2) The 9-1-1 Authority and 9-1-1 system providers shall participate in coordinated testing with the carriers when any of the following occurs:

A) New central office switching installations;

B) E9-1-1 selective router or functional equivalent installations, upgrades or rehomes (i.e., resetting of the network system);

C) NPA (Numbering Plan Area) additions;

D) Migration from one 9-1-1 system provider to another; and

E) Any other event that affects 9-1-1.

3) Upon request, after notification of implementation, the 9-1-1 Authority shall perform coordinated testing with the private residential or business switch operators.