

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

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Federal Communications Commission
Office of Secretary

In the Matter of)

DOCKET FILED

Revision of the Commission's Rules)

CC Docket No. 94-102

To Ensure Compatibility with)

Enhanced 911 Emergency Calling Systems)

UNITED STATES CELLULAR CORPORATION QUARTERLY
E911 IMPLEMENTATION REPORT

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February 3, 2003

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Revision of the Commission's Rules) CC Docket No. 94-102
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**UNITED STATES CELLULAR CORPORATION QUARTERLY
E911 IMPLEMENTATION REPORT**

United States Cellular Corporation ("USCC"), by its undersigned attorneys, hereby submits its second quarterly E911 implementation report pursuant to the Commission's recent order staying certain E911 phase II deadlines for many non-nationwide wireless carriers.¹ USCC submitted its first quarterly implementation report on November 1, 2002.²

I. Introduction

USCC has been an active participant in the E911 proceeding since its inception in 1996. USCC has consistently urged the Commission to recognize the special challenges faced by carriers serving predominantly rural markets in deploying E911 service. USCC remains committed to providing accurate, reliable E911 service to its customers both efficiently and cost

¹ See *Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, Phase II Compliance Deadlines for Non-Nationwide CMRS Carriers*, Order to Stay, CC Docket No. 94-102, FCC 02-210 (released July 26, 2002) ("*Order to Stay*").

² See United States Cellular Corporation Quarterly E911 Implementation Report, CC Docket No. 94-102 (filed November 1, 2002) ("*USCC's First Quarterly Report*").

effectively. Throughout this reporting period, as in the past, JSCC has devoted significant personnel and financial resources toward achieving that goal

II. Status of Phase I Requests

USCC interacts with over 1000 PSAPs in more than **600** counties throughout its service area. Many of these PSAPs are small entities with limited technical and financial resources. The provision of any wireless E911 service is burdensome to many of these entities. USCC and its E911 vendor, TeleCommunication Systems, Inc. (“TCS”), actively work with PSAPs to deploy phase I E911 service throughout USCC’s service area. In many cases, USCC has proceeded with deployment despite the fact that a particular PSAP’s request never amounted to a valid request for service under the Commission’s rules?

To date, USCC has successfully deployed phase I service to 498 PSAPs. This represents full phase I deployment to 84 percent of the PSAPs that have requested the service. USCC has deployed phase I service to every requesting PSAP in Iowa, South Carolina, and Tennessee. Eleven PSAPs in North Carolina alone have been fully phase I deployed in the last quarter. A list of fully deployed phase I jurisdictions is attached hereto as Exhibit A.

There are 92 pending phase I requests, and USCC and TCS continue to work toward providing service in all such jurisdictions. Of the pending phase I requests, 23 have been pending less than six months. A list of phase I requests pending for less than six months is attached hereto as Exhibit B.

³ A PSAP request for phase I service is only valid if the PSAP is capable of receiving and utilizing the data associated with the service and a mechanism is in place for the PSAP to recover its costs of providing the service. *See* 47 C.F.R. § 20.18(j)(2002).

The remaining 69 phase I requests have been pending for more than six months. A list of these requests is attached hereto as Exhibit C. USCC has made significant progress in addressing these outstanding phase I requests. For example, as illustrated by Exhibit C, 25 of the 69 phase I requests (approximately 36 percent) are at the drive testing phase, the last step prior to deployment. Another 14 of these 69 requests (approximately 20 percent) are ready for drive testing once the necessary trunking is delivered by the appropriate LEC or last minute PSAP problems are resolved.

In analyzing these pending phase I requests, USCC has identified several general categories as the primary causes of the delays in rolling out phase I service. A number of these delays have arisen since the filing of *USCC's First Quarterly Report* as USCC and TCS have devoted more resources to completing deployments. Despite these delays, USCC continues to make progress in deploying phase I for the requesting PSAPs.

Ongoing LEC issues. Issues with LEC readiness in the deployment of E911 are well-documented in this proceeding. USCC has experienced its share of these LEC induced delays. Specifically, USCC has encountered problems in reaching interconnection agreements and in the provisioning of trunking facilities ordered from certain LECs.

PSAP readiness issues. As demonstrated in Exhibit C, eleven requests are on hold by PSAP request. In addition, several of the delays in phase I roll-out are due to a lack of PSAP readiness often determined after the phase I deployment has begun. For example, in several counties in Missouri, PSAPs are not ready to receive the software upgrade required for their equipment to correctly translate the information received from TCS. Similarly, in North Carolina, some PSAPs have not installed the required CPE and thus cannot receive and utilize

phase I information. Despite these instances where PSAPs have turned out not to be ready for phase I, USCC and TCS continue to work toward completing as many steps for deploying phase I as possible so that service may be provided as soon as the PSAPs can receive and process the information.

Ongoing ALI databases/ALI connectivity problems. As reported in *USCC's First Quarterly Report*, some of the PSAPs that USCC interacts with have chosen to operate stand-alone ALI databases, as opposed to national ALI databases operated by LECs. Stand-alone ALI databases present particular challenges for USCC in trunking and other connectivity issues. In addition, the remote location of many of the PSAPs that choose to utilize a stand-alone ALI database exacerbates the connectivity difficulties. Due in part to these difficulties, some PSAPs have now decided to connect to the national ALI database; however, delays in the phase I implementation process due to the original choice of a stand-alone database have already been realized.

Continuing backlog of phase I requests. As reported in *USCC's First Quarterly Report*, its E911 vendor, TCS, provides phase I service to numerous wireless providers in addition to USCC. Due to the volume of requests received, TCS and USCC occasionally have more requests than can be addressed during any given six month time period. As noted above, USCC and TCS have worked diligently toward providing phase I service to these requesting jurisdictions as expeditiously as possible. Since the last USCC quarterly report, TCS has also designated specific managers and related resources inside the company dedicated solely to monitoring and following through on USCC E911 deployment issues.

III. Status of Phase II Requests

There are no phase II benchmarks currently applicable to USCC in this reporting period under the Commission's *Order to Stay*. USCC has finalized its contract with TCS to provide phase II service to all requesting PSAPs served by USCC. Under this approach, TCS will install and provision the Mobile Positioning Centers (MPCs) and Position Determining Equipment (PDEs) necessary to route and locate E911 calls anywhere on USCC's network. In addition, TCS will assist USCC in interfacing with PSAPs as to readiness and other deployment issues. This approach should allow USCC to provide phase II service to its customers efficiently and cost effectively.

As of January 31, 2003, USCC had received 121 requests for phase II service. A list of these requests is attached hereto as Exhibit D.⁴ The overwhelming majority of these requests (110) are from five states where USCC operates CDMA systems: Illinois, Indiana, North Carolina, Tennessee and Virginia. USCC and TCS have reached written or oral agreements for phase II deployment extensions ranging from one to three months with 71 of these PSAPs. Regardless of any extension agreements, USCC is actively working to deploy phase II service to the PSAPs in all of its CDMA markets with March 2003 deployment deadlines. In particular, USCC is actively working to deploy phase II service in Illinois by the March 1, 2003 deadline or by any agreed upon extension deadlines despite considering the validity of these requests to be an open question under the *City of Richardson* decision.'

⁴ Of these 121 requests, 19 will have been pending for less than 6 months by the initial March 1, 2003 deployment deadline. See Exhibit D.

⁵ See *Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, Petition of City of Richardson, Texas*, 16 FCC Rcd 18982 (2001).

USCC is actively working to upgrade its network to provide phase II service, USCC has installed the necessary software loads to provide phase II service in both its Lucent and Nortel switches. USCC has also upgraded the trunking between its CDMA switches serving those markets with phase II requests and the TCS Mobile Positioning Center. These route sets have been upgraded to facilitate the conversion in the interface between the USCC switch and the MPE from ISUP to TCAP, an interface change needed to accommodate the additional data provided in phase II service. USCC is also actively working to establish a more permanent connection between its network and the TCS network.

USCC personnel are also actively working to assemble detailed location, elevation and technical information about each CDMA cell site in markets with phase II requests in order to populate a Base Station Almanac to be maintained at TCS. The Base Station Almanac will be used by the TCS PDE to verify and improve the accuracy of the location information ultimately provided to PSAPs in the **ALI** database.

USCC and TCS personnel **are** also actively working to integrate USCC's switches with the TCS equipment and the phase II software. USCC personnel are testing translations and making test calls to ensure the necessary information is properly routed to TCS as well as to the respective selective routers. USCC is using all three GPS-enabled phones it has approved to date in its phase II testing. Once **this** work is completed, USCC is in the process of finalizing an agreement with Marconi, an outside vendor, to do the necessary calibration, accuracy and drive testing to ensure that USCC's phase II service meets the Commission's accuracy requirements.

Future Benchmark Compliance: As reported in *USCC's First Quarterly Report*, USCC's network presents a particular challenge for phase II deployment. As a

predominately suburban and rural carrier, USCC has consistently selected the digital air interface used by the carriers serving nearby major metropolitan areas in order to maximize roaming revenue. As a result, USCC has a mixed digital air interface of both CDMA and TDMA systems in its network.

Because the TDMA air interface is being phased out by the industry, USCC's phase II waiver request and *First Quarterly Report* recognized that phase II capable handsets for TDMA markets were not going to be developed. To keep its service competitive on a long term basis, USCC announced late last year that it would convert its TDMA systems to CDMA 2000. In conjunction with **this** announcement, USCC proposed a limited phase II waiver to allow it to complete the conversion to CDMA 2000 technology over a four year **period**.⁶ While the conversion process involves a complicated, multiple step process to clear sufficient spectrum in order to overlay a CDMA system in each market, USCC noted that upon completion of the new CDMA **2000** network overbuild its would be able to deploy a phase II compliant solution shortly thereafter.

USCC is pleased to report that it continues to deploy CDMA 2000 ahead of its initially-proposed conversion schedule. USCC has accelerated and completed the CDMA 2000 overbuild between **six** months to one full year early in its Wisconsin and northern Illinois markets, as well as several markets in Iowa. In addition, USCC has accelerated the CDMA overbuild for the entire northeastern seaboard by one full year and pushed the scheduled overbuild forward from three to five months in its southwestern and southeastern markets. USCC has powerful economic incentives to complete this conversion as quickly as possible

⁶ See United States Cellular Corporation's Supplement to Petition for Waiver of Sections 20.18(e) and (g) of the Commission's Rules, CC Docket **94-102** (filed November 30,

given its long term commitment to CDMA 2000 technology and the added features and functionality the technology provides to its customers.

USCC has received 10 requests for phase II service from PSAPs in its TDMA markets that have not yet been converted. Of this 10, seven are in markets scheduled for a CDMA overbuild by July 2003, one is scheduled for a CDMA overbuild by October 2003 while the other two markets are currently scheduled to be converted in April and May of 2004.⁷ While USCC will continue its efforts to complete its CDMA 2000 overbuild as expeditiously as possible, USCC will not be able to make the required phase II network upgrades in these markets within the six month period required by the FCC's rules. USCC submits that its ongoing overbuild provides the fastest path to full phase II compliance in its TDMA markets given the ongoing concerns about the accuracy of network solutions in rural markets absent the time-consuming and expensive process of constructing location-only sites and/or securing necessary landlord and zoning approvals to install so-called AOA antennas.'

2001)(“USCC Supplement”).

⁷ The PSAP phase II requests in TDMA markets that predate the scheduled conversion to CDMA 2000 are identified in Exhibit D. The currently scheduled date for conversion to CDMA 2000 in each of those markets is identified in the fifth column.

⁸ See e.g., Tier III Coalition Petition for Forbearance, WT Docket No. 02-377, at 12 (the Tier III Coalition “has been unable to find a network based solution vendor that will guaranty [sic] the ability to meet the FCC accuracy requirements without the need to deploy significantly more cell sites for location-only purposes, many of which need to be placed outside the rural carrier’s licensed service area, in combination with more costly antennas at existing sites.”); Ex Parte Notice of Rural Cellular Corporation, December 19, 2002 (“RCC’s ability to deploy AOA systems is dependent upon its ability to mount additional antennas in the nature of panels, and attendant coaxial cable to each antenna, at each affected cell site. This situation presents problems for RCC where towers used for service, such as in Vermont, are not traditional towers or where those towers are not owned and used exclusively by RCC.”)

IV. Status of Handset Deployment

USCC is pleased to report that it began selling GPS-capable handsets in December, 2002, more than three months ahead of the Commission's March 1, 2003 deadline.⁹ USCC began receiving the Sony Ericsson T206 mobile phone in November, 2002 and began selling the handset the following month. USCC has also approved an Audiovox phone, model 9500, which was shipped to USCC in January, 2003 and a Motorola V120e phone, which also was shipped to USCC in January 2003. USCC is using all three phones in the phase II deployment testing described above.

These GPS-enabled phones will carry a higher retail price than phones currently on the market. USCC will be offering the Sony/Ericsson T206 mobile phone for only \$29.95 and the Motorola V120e for \$19.95 in its CDMA markets from February 1 through April 15. Given these promotions, USCC expects to comply with the 25 percent handset penetration benchmark by the May 31, 2003 deadline. USCC has procedures in place to track its sales of GPS-enabled phones in order to ensure compliance with the penetration benchmarks.

USCC has contracted with several other handset manufacturers to provide GPS-enabled handsets for its customers, including Motorola, Kyocera Nokia and LG. Each handset model provided by one of these vendors must be tested by USCC's Product Evaluation Group prior to the placement of a specific order. In addition to the 120e, Motorola reports that it anticipates having two other models of GPS-capable phones (the V60e and the 720) available for testing in the second quarter 2003. Nokia reports that it will have its 3285i handset available for testing in the second quarter 2003. Kyocera reports that it will have two GPS-capable phones,

⁹ See *Order to Stay* ¶ 27.

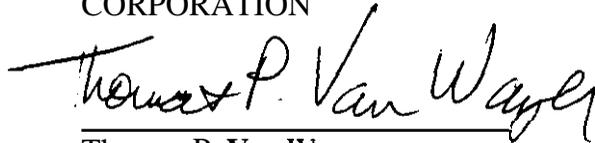
models **3225** and **2325**, available for testing in the first quarter **2003**. LG will have two GPS-capable handsets, the **VX2000** and the **VX4400**, available for testing in the second quarter **2003**.

V. Conclusion

As demonstrated above, **USCC** has made significant progress in deploying E911 phase I and phase II service throughout its service area. Directing significant financial and personnel resources toward the effort, **USCC** continues to work with all of the parties involved in its efforts to meet the Commission's implementation deadlines **for** E911 deployment.

Respectfully submitted,

UNITED STATES CELLULAR
CORPORATION



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Its Attorneys

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AFFIDAVIT OF JAMES JENKINS

I, **James Jenkins**, hereby declare as follows:

1. I am Vice President, **External** Affairs, for **United States Cellular Corporation** ("USCC"). In this capacity, I am familiar with USCC's E911 deployment efforts.
2. I have reviewed the foregoing USCC Quarterly E911 Implementation Report and believe that the facts contained therein are true and accurate.

I declare under penalty of perjury that the foregoing is true and correct, to the best of my knowledge and belief.

Dated this 31^{*} day of January, 2003.


James Jenkins

EXHIBIT A

**Phase 1 Fully Deployed
As of January 31, 2003**

state	County	PSAP / Authority Request	Launched Date
FL	Alachua	Alachua County Sheriff's Office	06/13/01
FL	Alachua	Gainesville Police Department-routed to Alachua County Sheriff's Office	06/13/01
FL	Columbia	Columbia County 911	01/29/03
FL	Gadsden	Gadsden County Sheriff's Department	10/25/01
FL	Holmes	Holmes County Sheriff's Office	01/29/03
FL	Jackson	Jackson County Sheriff's Office	08/01/02
FL	Levy	Levy County 911 Dispatch	11/09/01
FL	Martin	Martin County Sheriff's Department	04/25/01
FL	Martin	Stuart Police Department	04/25/01
FL	St Lucie	St Lucie County 911	05/15/01
GA	Lowndes	Lowndes County Emergency Communications	07/18/02
IA	Adair	Adair County Sheriff's Department	02/01/02
IA	Adams	Adams County Sheriff's Department	02/01/02
IA	Allamakee	Allamakee County Sheriff's Department	10/23/01
IA	Appanoose	Appanoose County Sheriff's Office	07/09/01
IA	Audubon	Audubon County Dispatch Center	12/20/01
IA	Benton	Benton County Sheriff's Department	07/09/01
IA	Black Hawk	Black Hawk County Sheriff's Office	08/21/01
IA	Boone	Boone County Sheriff's Department	06/13/01
IA	Bremer	Bremer County-Waverly Law Center	07/12/01
IA	Buchanan	Buchanan-Independence Public Safety Center	08/22/01
IA	Butler	Butler County Sheriff's Office	07/12/01
IA	Calhoun	Calhoun County Sheriff's Department	09/18/01
IA	Carroll	Carroll County Communications Center	12/20/01
IA	Carroll	Manning Police Department	12/20/01
IA	Cass	Cass County Public Safety Communications Center	07/02/01
IA	Cedar	Cedar County Sheriff's Department	06/26/01
IA	Cerro Gordo	Cerro Gordo County Sheriff's Office	04/08/02
IA	Cerro Gordo	Clear Lake Police Department	08/31/01
IA	Cerro Gordo	Mason City Police Department	08/31/01
IA	Cherokee	Cherokee County Sheriff's Office	07/12/01
IA	Chickasaw	Chickasaw County Sheriff's Office	10/24/01
IA	Clarke	Clarke County Sheriff's Office	12/20/01
IA	Clayton	Clayton County Sheriff's Department	09/18/01
IA	Clayton	Guttenburg Police Department	09/18/01
IA	(Clinton	Clinton County Sheriff's Department	07/03/01
IA	(Dallas	Dallas County Sheriffs Department	06/13/01
IA	Dallas	Perry Police Department	06/13/01
IA	Davis	Davis County Sheriff's Office	07/10/01
IA	Decatur	Decatur County Sheriff's Department	02/19/02
IA	Delaware	Manchester Police Department	07/30/01
IA	Des Moines	Burlington Police Department	07/10/01

IA	Floyd	Charles City Police Department	10/24/01
IA	Franklin	Franklin County Sheriff's Department	10/24/01
IA	Franklin	Hampton Police Department	10/24/01
IA	Fremont	Fremont County Sheriff's Department	08/15/01
IA	Greene	Greene County Sheriff's Department	12/20/01
IA	Grundy	Grundy County Sheriff's Department	02/12/02
IA	Guthrie	Guthrie County Sheriff's Department	12/20/01
IA	Hamilton	City of Webster Police Department	07/12/01
IA	Hancock	Hancock County Sheriff's Department	02/12/02
IA	Hardin	Hardin County Sheriff's Department	07/12/01
IA	Hardin	Iowa Falls Police Department	07/12/01
IA	Henry	Henry County Sheriff's Office	07/26/01
IA	Howard	Howard County Sheriff's Department	07/13/01
IA	Humboldt	Humboldt County Communications Center	12/20/01
IA	Ida	Ida County Sheriff's Department	09/18/01
IA	Iowa	Iowa County Sheriff's Office	12/15/01
IA	Jackson	Maquoketa Police Department	07/15/01
IA	Jasper	Jasper County Sheriff's Office	07/06/01
IA	Jefferson	Jefferson County Law Center	07/31/01
IA	Johnson	Iowa City Police Department	08/16/01
IA	Johnson	Johnson County Sheriff's Department	08/16/01
IA	Jones	Jones County Sheriff's Department	06/26/01
IA	Jones	Monticello Police Department	06/26/01
IA	Keokuk	Keokuk County Sheriff's Department	08/31/01
IA	Kossuth	Aigona Police Department	04/18/02
IA	Lee	Fort Madison Police Department	04/05/02
IA	Lee	Keokuk Police Department	04/05/02
IA	Lee	Lee County Sheriff's Department	04/05/02
IA	Linn	Cedar Rapids Joint Communications Agency	08/16/01
IA	Linn	Linn County Sheriff's Department	08/16/01
IA	Linn	Marion Police Department	08/16/01
IA	Louisa	Louisa County Sheriff's Department	07/11/01
IA	Lucas	Lucas County Sheriff's Office	04/12/02
IA	Lyon	Lyon County Sheriff's Office	09/18/01
IA	Madison	Madison County Sheriff's Department	06/13/01
IA	Mahaska	Mahaska County E911 Center	08/15/01
IA	Marion	Knoxville Police Department	02/01/02
IA	Marion	Marion County Sheriff's Office	02/01/02
IA	Marion	Pella Police Department	02/01/02
IA	Marshall	Marshalltown Police Department	08/15/01
IA	Mills	Mills County Communications Center	07/12/01
IA	Mitchell	Mitchell County Communications Center	02/12/02
IA	Monroe	Monroe County Sheriff's Department	08/30/01
IA	Montgomery	Montgomery County Sheriff's Department	07/12/01
IA	Muscatine	Muscatine County Sheriff's Department	04/05/02
IA	Muscatine	Muscatine Police Department	04/05/02
IA	OBrien	OBrien County Sheriff's Department	09/18/01
IA	OBrien	Sheldon Police Department	09/18/01
IA	Osceola	Osceola County Sheriff's Department	12/20/01
IA	Page	Clarinda Police Department	07/12/01
IA	Page	Shenandoah Police Department	07/12/01
IA	Plymouth	Plymouth County Sheriff's Office	07/12/01

IA	Polk	Ankeny Police Department	06/12/01
IA	Polk	Clive Police Department--routed to Westcom	06/12/01
IA	Polk	Des Moines Police Department	06/12/01
IA	Polk	Iowa State Patrol	06/12/01
IA	Polk	Polk County Sheriff's Office	06/12/01
IA	Polk	Urbandale Police Department-routed to Westcom	06/12/01
IA	Polk	Westcom	06/12/01
IA	Poweshiek	Poweshiek County Sheriff's Department	08/15/01
IA	Ringgold	Ringgold County Sheriff's Department	02/01/02
IA	Sac	Sac County Sheriff's Office	12/20/01
IA	Scott	Bettendorf Police Department	08/22/01
IA	Scott	Davenport Police Department	04/09/02
IA	Scott	Scott County Sheriff's Department	04/09/02
IA	Sioux	Sioux County Sheriff's Department	07/12/01
IA	Story	Ames Police Department	06/13/01
IA	Story	Story County Sheriff's Office	06/13/01
IA	Tama	Tama County Sheriff's Department	07/09/01
IA	Taylor	Taylor County Sheriffs Department	07/18/02
IA	Union	Union County Sheriff's Office	12/20/01
IA	Van Buren	Van Buren County Sheriff's Department	07/12/01
IA	Wapello	Ottumwa Police Department	08/31/02
IA	Wapello	Wapello County Sheriff's Office	08/31/01
IA	Warren	Warren County Sheriff's Office	06/13/01
IA	Washington	Washington County Sheriff's Office	08/31/01
IA	Webster	Webster County Sheriff's Department	09/18/01
IA	Webster	Webster County Law Enforcement Center	07/12/01
IA	Winnebago	Winnebago County Sheriff's Department	02/12/02
IA	Winneshiek	Decorah Police Department	07/25/01
IA	Worth	Worth County Sheriff's Office	10/23/01
IA	Wright	Wright County Sheriff's Department	02/12/02
IL	Carroll	Carroll County 911	06/28/01
IL	Cook	Aisip Police Department	05/07/02
IL	Cook	Barrington Hills Police Department	02/08/02
IL	Cook	Barrington Police Department	02/08/02
IL	Cook	Bedford Park Police Department	11/06/01
IL	Cook	Bellwood Police Department	06/05/02
IL	Cook	Berkeley Police Department	03/19/02
IL	Cook	Berwyn Police Department	04/24/02
IL	Cook	Blue Island Police Department	03/14/02
IL	Cook	Broadview Police Department	11/28/01
IL	Cook	Chicago Heights Police Department	03/19/02
IL	Cook	Cicero Police Department	01/08/02
IL	Cook	City of Chicago Communication Center	02/07/02
IL	Cook	Cook County Sheriff's department - Elk Grove	11/28/01
IL	Cook	Country Club Hills Police Department	01/23/03
IL	Cook	Countryside Police Department	06/05/02
IL	Cook	Des Plaines Police Department	11/12/01
IL	Cook	Evanston Police Department	12/14/01
IL	Cook	Evergreen Park Police Department	04/24/02
IL	Cook	Flossmoor Police Department	12/04/01
IL	Cook	Forest Park Department of Police	03/27/02
IL	Cook	Franklin Park	09/02/02

IL	Cook	Glencoe Police Department	03/19/02
IL	Cook	Glenview-Wheeling Police Department	10/08/01
IL	Cook	Glenwood Police Department	12/04/01
IL	Cook	Harwood Heights Police Department	03/19/02
IL	Cook	Hazel Crest Police Department	02/04/02
IL	Cook	Hickory Hills Police Department	02/07/02
IL	Cook	Hoffman Estates Police Department	03/19/02
IL	Cook	Homewood Police Department	02/04/02
IL	Cook	Indian Head Park Police Department	03/27/02
IL	Cook	Kenilworth Police Department	05/30/02
IL	Cook	Lansing Police Department	03/28/02
IL	Cook	Lynbrook Police and Fire	04/03/02
IL	Cook	McCook Police Department	02/08/02
IL	Cook	Midlothian Police Department	02/07/02
IL	Cook	Morton Grove Police Department	01/08/02
IL	Cook	Niles Police Department	11/09/01
IL	Cook	Norridge Police Department	03/19/02
IL	Cook	Northbrook Police Department	10/18/01
IL	Cook	Northfield Police Department	02/08/02
IL	Cook	Northwest Central Dispatch	12/08/01
IL	Cook	Oak Forest Police Department	04/02/02
IL	Cook	Oaklawn Police Department	04/24/02
IL	Cook	Oak Park	03/19/02
IL	Cook	Olympia Fields Police Department	06/08/02
IL	Cook	Orland Park Police Department	11/28/01
IL	Cook	Park Forest Police Department	01/22/02
IL	Cook	Richton Park Police and Fire	06/08/02
IL	Cook	River Forest Police	03/19/02
IL	Cook	River Grove Police Department	11/01/01
IL	Cook	Rolling Meadows Police Department	09/08/01
IL	Cook	Rosemont Police and Fire	11/16/01
IL	Cook	Schaumburg Police and Fire	11/06/01
IL	Cook	Skokie Police Department	03/12/02
IL	Cook	South Com	06/08/02
IL	Cook	South Holland Police Department	03/28/02
IL	Cook	Southwest Central Dispatch Center	04/24/02
IL	Cook	Streamwood Police Department	10/29/01
IL	Cook	Thorton Police Department	05/29/02
IL	Cook	Tinley Park Police Department	02/08/02
IL	Cook	Village of Schiller Park Fire Department	03/21/02
IL	Cook	West Suburban Consolidated Dispatch Center	03/19/02
IL	Cook	Westchester Police Department	12/04/01
IL	Cook	Western Springs Police and Fire	01/03/02
IL	Cook	Wheeling Police Department -- Answered by Glenview	10/08/01
IL	Cook	Willow Springs Police Department	03/12/02
IL	Cook	Wilmette Police Department	01/08/02
IL	Cook	Winnetka Police Department	10/18/01
IL	DuPage	Addison Fire Protection District	09/18/01
IL	DuPage	Addison Police Department	09/18/01
IL	DuPage	Bloomington Fire Protection District	09/18/01
IL	DuPage	Bloomington Police Department	09/18/01
IL	DuPage	Clarendon Hills Police Department	04/24/02

IL	DuPage	Darien Police Department	09/08/01
IL	DuPage	Darien Woodridge Fire Protection District	09/08/01
IL	DuPage	Downers Grove Communications	09/18/01
IL	DuPage	DU-COMM Central Dispatch	09/08/01
IL	DuPage	DuPage County Forest Preserve District	09/18/01
IL	DuPage	DuPage County Sheriff's Office	09/18/01
IL	DuPage	Glendale Heights Police Department	09/18/01
IL	DuPage	Hinsdale Police Department	09/18/01
IL	DuPage	Lemont Fire Protection District	04/24/02
IL	DuPage	Naperville Police Department	09/18/01
IL	DuPage	Oak Brook Police Department	09/18/01
IL	DuPage	Pleasantview Fire Protection District	09/18/01
IL	DuPage	Tri-State Fire Protection District	09/18/01
IL	DuPage	Westmont Police Department	09/18/01
IL	DuPage	Wood Dale Fire Protection District	09/18/01
IL	DuPage	Wood Dale Police Department	09/18/01
IL	DuPage	Woodridge Police Department	09/18/01
IL	Fulton	Canton City Police Department	04/03/02
IL	Fulton	Fulton County Sheriff's Department	04/03/02
IL	Henry	Henry County ETSB	01/22/03
IL	Kane	Aurora Police Department	02/20/02
IL	Kane	Elgin Police Department	02/20/02
IL	Kane	Kane County Sheriff's Department	02/20/02
IL	Kane	Montgomery Police Department	02/20/02
IL	Kane	QuadCom	02/20/02
IL	Kane	South Elgin Police Department	02/20/02
IL	Kane	TriCom	02/20/02
IL	Kankakee	Bourbonnais Police Department	04/02/02
IL	Kankakee	Bradley Police Department	04/02/02
IL	Kankakee	Kankakee County Sheriff's Office	04/02/02
IL	Kendall	Kendall County 911	01/08/02
IL	Knox	Galesburg Police Department	07/25/01
IL	Lake	CenCom E9-1-1	12/12/01
IL	Lake	Deerfield Police Department	04/01/02
IL	Lake	Gurnee Emergency Telephone Systems Board	11/12/01
IL	Lake	Highland Park Police Department	04/01/02
IL	Lake	Lake Bluff	04/01/02
IL	Lake	Lake County Sheriff's Department	12/18/01
IL	Lake	Libertyville Police Department	03/19/02
IL	Lake	Lincolnshire Police Department	04/01/02
IL	Lake	Vernon Hills Police Department	03/27/02
IL	Lake	Village of Fox Lake Police Department	02/04/02
IL	Lake	Village of Mundelein Police Department	01/03/02
IL	Lake	Waukegan Police Department	01/11/02
IL	Lake	Zion Police Department	07/15/02
IL	Lee	Lee County 911	09/07/01
IL	Livingston	Livingston County 911	12/17/02
IL	McHenry	Algonquin Police Department	11/07/01
IL	McHenry	Cary Police Department	11/07/01
IL	McHenry	Crystal Lake Police Department	11/07/01
IL	McHenry	Lake in the Hills Police Department	11/07/01
IL	McHenry	Marengo Police Department	03/01/02

IL	McHenry	McHenry City Police Department	11/07/01
IL	McHenry	McHenry County Sheriff's Office	11/07/01
IL	Peoria	Bartenville Police Department	11/12/01
IL	Peoria	Chillicothe Police Department	11/12/01
IL	Peoria	Peoria Heights Police Department	11/12/01
IL	Peoria	Peoria Police Department Communications Center	11/12/01
IL	Rock Island	City of Moline Police Department	12/06/02
IL	Rock Island	City of Silvis Police Department	12/06/02
IL	Rock Island	East Moline Police Department	12/06/02
IL	Rock Island	Ricomm	12/06/02
IL	Rock Island	Rock Island County Sheriff's Department	12/06/02
IL	Rock Island	Village of Milan Police Department Dispatch	12/06/02
IL	Sangamon	Sangamon County ETSB	12/12/01
IL	Tazewell	East Peoria Police and Fire	02/28/02
IL	Tazewell	Morton Police Department	02/28/02
IL	Tazewell	TAZCOM	02/28/02
IL	Will	Joliet Police Department	10/23/01
IL	Will	Lincoln Way Police Communications Center	10/23/01
IL	Will	Will County Police Department	10/23/01
IL	Winnebago	Loves Park Police and Fire Department	11/28/01
IL	Winnebago	Winnebago County E911 Center	11/28/01
IL	Winnebago	Winnebago County Emergency Telephone System Board	12/17/02
IN	Benton	Benton County Sheriff's Department	02/05/02
IN	Carroll	Carroll County Sheriff's Office	11/11/02
IN	Clinton	Clinton County 911	08/06/02
IN	Clinton	Frankfort Fire Department	08/06/02
IN	Fountain	Attica Police Department	07/11/02
IN	Fulton	Rochester Police Department	02/04/02
IN	LaPorte	LaPorte County Sheriff's Office	09/11/00
IN	Lake	Cedar Lake Police Department	06/29/00
IN	Lake	Crown Point Police Department	06/29/00
IN	Lake	Dyer Police Department	06/29/00
IN	Lake	East Chicago Police Department	06/29/00
IN	Lake	Gary Police Department	06/29/00
IN	Lake	Griffith Police Department	06/29/00
IN	Lake	Hammond Police Department	06/29/00
IN	Lake	Highland Police Department	06/29/00
IN	Lake	Hobart Police Department	06/29/00
IN	Lake	Lake County Sheriff's Office	06/29/00
IN	Lake	Lake Station Police Department	06/29/00
IN	Lake	Lowell Police Department	06/29/00
IN	Lake	Merrillville Police Department	06/29/00
IN	Lake	Munster Police Department	06/29/00
IN	Lake	New Chicago Police Department	06/29/00
IN	Lake	Schererville Police Department	06/29/00
IN	Lake	St. John Police Department	06/29/00
IN	Lake	Whiting Police Department	06/29/00
IN	Miami	Miami County Sheriff's Office	07/03/02
IN	Montgomery	Crawfordsville Police Department	07/11/02
IN	Porter	Porter County Sherrif's Office	09/11/00
MO	Newton	Newton County Central Dispatch	01/31/03
MO	Stone	Stone County Emergency Services	06/27/02

MO	Taney	Branton Police Department	08/27/02
MO	Taney	Taney County E911	08/27/02
MO	Webster	Webster County Sheriff's Department	06/27/02
NC	Allegany	Allegany County E-911/ Mapping	01/27/03
NC	Ashe	Ashe County Communications	01/28/03
NC	Bertie	Bertie County Sheriff's Office	01/29/03
NC	Beaufort	Beaufort Communication Center	11/15/00
NC	Beaufort	Washington Police Department	11/15/00
NC	Bladen	Bladen County Sheriff's Communications	08/09/01
NC	Brunswick	Brunswick County Emergency Communications	04/11/00
NC	Brunswick	Long Beach Police Department	04/11/00
NC	Brunswick	Oak Island Department of Public Safety	04/11/00
NC	Brunswick	South Port Police Department	04/11/00
NC	Buncombe	Buncombe County Emergency Management	12/11/00
NC	Camden	Camden/Pasquetank Center Communications	01/27/03
NC	Carteret	Atlantic Beach Police Communications	01/11/01
NC	Carteret	Carteret County Sheriff's Department	01/11/01
NC	Carteret	Emerald Isle Police Communications	01/11/01
NC	Carteret	Morehead City Police Communications	01/11/01
NC	Chatham	Chatham County Emergency Operations	01/31/03
NC	Chowan	Chowan County Central Communications	11/15/00
NC	Columbus	Columbus County Emergency Services	12/01/00
NC	Columbus	Columbus County Sheriff's Office	12/01/00
NC	Dare	Dare County Sheriffs Office	09/12/01
NC	Dare	Hatteras Communications Center	09/12/01
NC	Duplin	Duplin County Sheriff's Department	04/11/01
NC	Edgecombe	Edgecombe County 911 Communications	12/03/02
NC	Edgecombe	Tarboro Police Communications	12/04/02
NC	Franklin	Franklin County Communications	11/21/00
NC	Halifax	Halifax County Central Communications	02/15/01
NC	Harnett	Dunn Police Department	01/24/01
NC	Harnett	Erwin Police Department	01/24/01
NC	Harnett	Harnett County Sheriff's Communications	01/24/01
NC	Henderson	Henderson County Sheriff's Communications	02/13/02
NC	Hoke	Hoke County Emergency Communications	12/13/00
NC	Hyde	Hyde County Courthouse	01/30/01
NC	Johnston	Johnston County Emergency Communications	11/21/00
NC	Lee	Lee County 911	01/08/01
NC	Lenoir	Lenoir County Communications	07/09/01
NC	Martin	Martin County Communications Center	12/05/00
NC	Nash	Nash County Central Communications	12/01/00
NC	Nash	Rocky Mount Police Communications	12/01/00
NC	New Hanover	New Hanover County Sheriff's Department	01/30/02
NC	Onslow	Camp Lajeune Fire Protection Division	12/20/00
NC	Onslow	Jacksonville Police Communications	12/20/00
NC	Onslow	Onslow County E 911 Communications	12/20/00
NC	Pamlico	Pamlico County Sheriff's Department	08/27/01
NC	Person	Person County Communications	01/31/03
NC	Polk	Polk County Communications	05/25/01
NC	Randolph	Randolph County Emergency Management	02/15/01
NC	Robeson	Lumberton Communications Center	10/12/00
NC	Robeson	Robeson County Communications	10/20/02

NC	Rockingham	Eden Police Department	08/25/00
NC	Rockingham	Reidsville Police Department	08/25/00
NC	Rockingham	Rockingham County E 911	08/25/00
NC	Rutherford	Rutherford County Communications	11/16/01
NC	Sampson	Sampson County Sheriff's Office	08/14/01
NC	Surrey	Surrey County Communications	01/27/03
NC	Tyrrell	Tyrrell County Sheriff's Communications	11/20/01
NC	Washington	Washington County Sheriff's office	01/29/03
NC	Wayne	Goldsboro Police Department	01/31/01
NC	Wayne	Mt Olive Police Department	01/31/01
NC	Wayne	Seymour Johnson AFB Fire Department	01/31/01
NC	Wayne	Wayne County Communications	01/31/01
NC	Wilkes	Wilkes County Sheriff's Department	01/28/03
NC	Wilson	Wilson County Emergency Communications	12/01/00
SC	Darlington	Darlington County Sheriff's Department	11/03/00
SC	Dillon	Dillon County 911	11/03/00
SC	Kershaw	Kershaw County 911	11/01/00
SC	Marlboro	Marlboro County E911	11/08/00
TN	Anderson	Anderson County E911	01/25/01
TN	Anderson	Anderson County EMS	01/25/01
TN	Anderson	Clinton Police Department	01/25/01
TN	Anderson	Lake City Police Department	01/25/01
TN	Anderson	Oak Ridge Police Department	01/25/01
TN	Anderson	Oliver Springs Police Department	01/25/01
TN	Blount	Blount County Communications Center	01/26/01
TN	Bradley	Bradley County Communications Center	02/23/01
TN	Bradley	Cleveland Police Department Dispatch Center	02/23/01
TN	Cocke	Cocke County 911	01/18/01
TN	Jefferson	Jefferson County 911	04/11/01
TN	Knox	Knox Emergency Communications District	01/08/01
TN	Loudon	Loudon County Sheriff's Office	01/26/01
TN	McMinn	Ettowah Police Department	02/23/01
TN	McMinn	McMinn County 911	02/23/01
TN	Monroe	Monroe County Communications	01/25/01
TN	Rhea	Rhea County 911	03/05/01
TN	Sevier	Gatlinburg Police Department	02/09/01
TN	Sevier	Pigeon Forge Police Department	02/09/01
TN	Sevier	Sevier County Sheriff's Office	02/09/01
TN	Sevier	Sevierville Police Department	02/09/01
TN	Union	Union County Sheriff's Office	02/09/01
TX	Aransas	Aransas County Sheriff's Department	08/31/00
TX	Aransas	Rockport Police Department	08/31/00
TX	Archer	Archer County Sheriff's Department	08/28/00
TX	Atascosa	Atascosa Sheriff's Department	09/01/00
TX	Bandera	Bandera County Sheriff's Office	08/31/00
TX	Baylor	Baylor County Sheriff's Department	08/28/00
TX	Bee	Bee County Sheriff's Department	08/31/00
TX	Bee	Beeville Police Department	08/31/00
TX	Brooks	Brooks County Sheriff's Department	08/15/00
TX	Childress	Childress City Police Department	09/14/00
TX	Clay	Clay County Sheriffs Department	08/28/00
TX	(De Witt	(De Witt County Sheriffs Department	08/23/00

TX	Dimmit	Dimmit County Sheriff's Department	08/31/00
TX	Duval	Duval County Sheriff's Department	08/31/00
TX	Duval	Freer Police Department	08/31/00
TX	Edwards	Edwards County Sheriff's Office	08/31/00
TX	Frio	Frio County Sheriff's Department	09/01/00
TX	Goliad	Goliad County Sheriff's Department	08/23/00
TX	Hall	Hall County Sheriff's Department	09/14/00
TX	Hardeman	Hardeman County Sheriff's Department	08/28/00
TX	Haskell	Haskell County Sheriff's Department	08/31/00
TX	Jim Hogg	Jim Hogg County Sheriff's Department	08/31/00
TX	Jim Wells	Alice Police Department	08/31/00
TX	Jim Wells	Jim Wells County Sheriff's Office	08/31/00
TX	Karnes	Karnes County Sheriff's Department	08/31/00
TX	Kinney	Kinney County Sheriff's Office	08/31/00
TX	Kleberg	Kingsville Police Department	08/31/00
TX	Kleberg	Kleberg Sheriff's Office	08/31/00
TX	Knox	Knox City Hospital	08/28/00
TX	La Salle	La Salle County Sheriff's Department	08/31/00
TX	Live Oak	Live Oak County Sheriff's Department	08/31/00
TX	Maverick	Eagle Pass Police Department	08/31/00
TX	Nueces	Corpus Christi Police Department	08/31/00
TX	Nueces	NAS Corpus Christi Security PSAP	08/31/00
TX	Nueces	Nueces County Sheriff's Department	08/31/00
TX	Nueces	Port Aransas Police Department	08/31/00
TX	Nueces	Robstown Police Department	08/31/00
TX	Real	Real County Sheriff's Office	08/31/00
TX	Refugio	Refugio County Sheriff's Office	08/31/00
TX	San Patricio	Aransas Pass Police Department	08/31/00
TX	San Patricio	Ingleside NAS	08/31/00
TX	San Patricio	Ingleside Police Department	08/31/00
TX	San Patricio	Mathis Police Department	08/31/00
TX	San Patricio	Portland Police Department	08/31/00
TX	San Patricio	San Patricio County Sheriff's Department	08/31/00
TX	Shackelford	Shackelford County Sheriff's Department	08/31/00
TX	Starr	Rio Grande City Police Department	08/31/00
TX	Starr	Roma Police Department	08/31/00
TX	Starr	Starr County Sheriff's Department	08/31/00
TX	Stephens	Breckenridge Police Department	08/31/00
TX	Throckmorton	Throckmorton County Sheriff's Department	08/31/00
TX	Uvalde	Uvalde City Police Department	08/31/00
TX	Val Verde	Del Rio Police Department	08/31/00
TX	Val Verde	Val Verde Sheriff's Department	08/31/00
TX	Victoria	Victoria Communications Center	08/23/00
TX	Victoria	Victoria County Sheriff's Department	08/23/00
TX	Victoria	Victoria Police Department	08/23/00
TX	Webb	Laredo Police Department	08/28/00
TX	Webb	Webb County Sheriff's Department	08/28/00
TX	Wichita	American Medical Response/Lifeline EMS	05/15/00
TX	Wichita	Burkburnett Police Department	05/15/00
TX	Wichita	Electra Police Department	05/15/00

TX	Wichita	Wichita Falls Police Department	05/15/00
TX	Wilbarger	Vernon Police Department	01/10/03
TX	Willacy	Raymondville Police Department	08/31/00
TX	Willacy	Willacy County Sheriff's Office	08/31/00
TX	Wilson	Wilson County Sheriff's Department	09/01/00
TX	Young	Olney Police Department	08/31/00
TX	Young	Young County Sheriff's Department	08/31/00
TX	Zapata	Zapata County Sheriff's Department	08/31/00
TX	Zavala	Crystal City Police Department	08/31/00
VA	Albemarle	Albemarle Emergency Communication Center	08/02/00
VA	Albemarle	Albemarle Fire Department	08/02/00
VA	Bedford	Bedford County Sheriff's Office	10/25/02
VA	Franklin	Franklin County Communications Center	01/08/02
VA	Henry	Martinsville/Henry County 911 Communications Center	01/24/02
VA	Lynchburg	City of Lynchburg 911	01/05/01
VA	Montgomery	Blacksburg Police Department	10/23/02
VA	Montgomery	Christianburg Police Department	10/30/02
VA	Montgomery	Montgomery Sheriff's Office	10/30/02
VA	Patrick	Patrick County 911	10/28/02
VA	Pulaski	County of Pulaski E-911 Services	10/23/02
VA	Roanoke City	Roanoke City Communications Department	07/12/02
VA	Roanoke County	Roanoke County Police Department	07/16/02
VA	Rockbridge	Rockbridge County Sheriff's Office	10/30/02
VA	Salem City	Salem City Police Department	07/16/02
VT	Chittenden	Shelburne Police Department	12/13/01
VT	Chittenden	Williston E911	12/13/01
VT	Rutland	Rutland City Police and Fire Department	12/13/01
VT	Windsor	Hartford Police Department	12/13/01
VT	Windsor	Springfield Police Department	12/13/01
WV	Fayette	Fayette County Office of Emergency Services	05/07/02
WV	Harrison	Harrison County Emergency Services	07/11/01
WV	Marion	Marion County Central Communications	08/13/01
WV	Monongalia	MECCA 911	07/11/01
WV	Preston	Preston County Emergency Services	08/01/01
WV	Raleigh	Raleigh County Emergency Services	05/08/02
WV	Summers	Summers County Control	01/27/03
WV	Taylor	Taylor County Sheriff's Office	01/27/03

EXHIBIT C

Phase I Requests Pending More Than Six Months
As of January 31, 2003

State	County	PSAP/ Authority Request	Received Date	Due Date	Estimated Completion Date	Primary Issue that Created Delay / Status of Deployment
FL	Calhoun	Calhoun County Sheriffs Office	02/20/02	N/A	N/A	On hold per PSAP until PSAP CPE upgrade in Spring 2004.
FL	Gulf	Gulf County Sheriffs Office	08/31/00	N/A	N/A	On hold per PSAP until PSAP CPE upgrade in Spring 2004.
FL	Hamilton	Hamilton County Sheriffs Office	03/20/01	09/16/01	03/31/03	All deployment tasks are complete. Drive testing in progress.
FL	Leon	Leon County Sheriffs office	10/24/00	N/A	N/A	PSAP wants CAS for USCC can only support an NCAS solution
FL	Madison	Madison County 911	01/31/00	N/A	N/A	LEC. PSAP will wait for NCAS until 2. iAP switching to national ALI database with
FL	Putnam	Putnam County Department of Public Safety	09/03/97	N/A	02/28/03	No cost recovery at time of request. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
FL	Wakulla	Wakulla County Sheriffs Office	12/31/01	N/A	03/15/03	PSAP not ready for Phase 1 at time of request. PSAP CPE upgrade will occur on 2/3/03. Deployment complete, however PSAP requested until 2/20/03 to test their database before Phase 1 goes live.
FL	Washington	Washington County 9-1-1	03/19/97	N/A	02/28/03	PSAP upgrading CPE. All deployment tasks are complete. Drive testing will occur once Intrado verifies security information is complete, expected 1/31/03.
GA	Tift	Tift County 9-1-1	03/16/98	N/A	N/A	USCC low subscriber base in Tift County
ID	Bonneville	Bonneville County Sheriff's Office	04/27/01	N/A	N/A	On hold per PSAP. Cost recovery issues.
IL	Boone	Boone County E911	04/19/01	10/19/01	02/15/03	All deployment tasks are complete. Drive testing in progress.
IL	Cook	Police Department	05/29/02	11/29/02	03/01/03	Maps and traffic plans are complete, trunks are in. Awaiting Pan's from Ameritech.
IL	Cook	Riverdale Police Department	03/28/02	09/28/02	03/01/03	All deployment tasks are complete. Drive testing in process.
IL	De Kalb	DeKalb County Sheriffs Office - USCC	08/30/00	02/26/01	02/15/03	Verizon Interconnect Agreement. LEC problems with Central Office equipment. All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with LEC.
IL	DeKalb	DeKalb County Sheriffs Office - formally PrimeCo side	08/10/01	02/10/02	02/15/03	Verizon Interconnect Agreement. LEC problems with Central Office equipment. All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with LEC.
IL	Hancock	Hancock County 9-1-1	05/10/01	1110101	02/15/03	Verizon Interconnect agreement. On-site ALI database. All deployment tasks are complete. Drive testing in progress.

IL	Jo Daviess	Jo Daviess County Sheriff's Office	08/21/00	02/21/01	02/15/03	Ameritech Interconnect agreement. LEC delays with trunking. All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with LEC.
IL	McDonough	McDonough County Communication Center	08/17/00	02/13/01	02/28/03	Verizon Interconnect Agreement. On-site ALI database. All deployment tasks are complete. Drive testing in progress.
IL	McLean County	McLean County Emergency Telephone System Board	07/05/02	01/05/03	03/31/03	Maps and traffic plans approved by PSAP, pending delivery of Pani's from LEC (Verizon).
IL	Mercer	Mercer County 911	11/16/00	05/15/01	02/28/03	Verizon Interconnect Agreement. All deployment tasks are complete. Drive testing in progress.
IL	Morgan	Morgan County 911	02/27/01	08/26/01	03/31/03	Verizon Interconnect Agreement. On-site ALI database. All deployment tasks are complete. Drive testing in progress.
IL	Ogle	Ogle County Sheriff's Office	08/05/00	02/01/01	03/31/03	Verizon Interconnect Agreement. Stand alone ALI database. Trunks are in. Pending PSAP approval of maps and traffic plans.
IL	Scott	Scott County Sheriff's Office	04/30/01	10/27/01	03/31/03	Verizon Interconnect Agreement. All deployment tasks are complete. Drive testing in progress.
IL	Stephenson	Stephenson County ETSB/ Freeport Police Department	09/08/00	03/07/01	03/31/03	Verizon Interconnect Agreement. All deployment tasks are complete. Drive testing in progress.
IL	Warren	Monmouth Police Department	08/18/00	02/14/01	04/15/03	Verizon Interconnect Agreement. All deployment tasks are complete. Drive testing in progress.
IL	Whiteside	Whiteside County Sheriff's Office	11/30/00	05/29/01	02/15/03	Ameritech Interconnect Agreement. All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with LEC.
IN	Cass	Cass County Sheriff's Office	06/22/00	12/19/00	02/15/03	Verizon Interconnect Agreement. All deployment tasks are complete. Drive testing in progress.
IN	Huntington	Huntington County Sheriff's Office	01/23/01	07/23/01	04/30/03	Maps and traffic plans are being created to send to PSAP for approval.
IN	Putnam	Putnam County 911	04/29/98	10/26/98	02/15/03	Verizon Interconnect Agreement. Delays in cost recovery plan approval by Indiana NENA. LEC delays in providing MSAG. All deployment tasks are complete. Drive testing in progress.
IN	Wabash	Wabash County Sheriff's Office	12/20/99	06/17/00	02/15/03	Verizon Interconnect Agreement. Delays in cost recovery plan approval by Indiana NENA. LEC delays in providing MSAG. All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with LEC.
MD	Allegany	Emergency Management and Civil Defense	11/26/97	N/A	N/A	Request deferred by Maryland Emergency Number Systems Board who is considering whether to reimburse carriers.
MD	Garrett	Garrett County 911	11/26/97	N/A	N/A	Request deferred by Maryland Emergency Number Systems Board who is considering whether to reimburse carriers.
MD	Washington	Washington County Fire and Rescue	11/26/97	N/A	N/A	Request deferred by Maryland Emergency Number Systems Board who is considering whether to reimburse carriers.
MO	Boone	Boone County Joint Communication & Information Center	12/02/97	N/A	04/15/03	No cost recovery for PSAPs; Verizon Interconnect Agreement. Trunks on order. Maps and traffic plans sent to PSAP.

MO	Jasper	Jasper County Emergency Services Department	03/27/97	N/A	02/15/03	No cost recovery for PSAP's. Verizon interconnect agreement. PSAP finalized software upgrade on 1/27/03 . All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with PSAP.
MO	Jasper	Jasper County Sheriff's Office	03/27/97	N/A	02/15/03	No cost recovery for PSAP's. Verizon interconnect agreement. PSAP finalized software upgrade on 1/27/03 . All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with PSAP.
MO	Jasper	Joplin Police Department	03/27/97	N/A	02/15/03	No cost recovery for PSAP's. Verizon interconnect agreement. PSAP finalized software upgrade on 1/27/03 . All deployment tasks are complete. Drive testing in progress. Problems discovered in drive testing, troubleshooting with PSAP.
MO	Macon	Macon County E911	06/18/01	N/A	02/15/03	No cost recovery for PSAPs. Verizon Interconnect Agreement. Delays with trunking between selective router and PSAP. All deployment tasks are complete. Drive testing in progress.
MO	Shelby	The County Commission of Shelby County	09/10/01	N/A	02/28/03	No cost recovery for PSAPs. Verizon Interconnect Agreement. Maps and traffic plans being created to send to PSAP for approval.
MO	Texas	Wri/Tex E 911	12/27/00	N/A	02/28/03	No cost recovery for PSAP. Verizon Interconnect Agreement. Maps and traffic plans sent to PSAP pending PSAP response. ALI connection complete.
NC	Caswell	Caswell County Communications Center	Verbal request	N/A	02/15/03	No formal written request. Drive testing in progress. all other deployment tasks complete. Ice and snow has delayed some testing.
NC	Craven	New Bern Communications Center	01/06/00	N/A	02/28/03	No formal request, only a request for information. Stand-alone ALI database connectivity problem. PSAP requested new maps for specialized routing, which have been provided. PSAP approved maps 1/27/03 , translations being re-built.
NC	Gates	Gates County Communications Center	09/21/01	N/A	02/28/03	No formal request, only a request for information. PSAP became enhanced September 2002 . Stand-alone ALI Database connectivity delays. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NC	Granville	Granville County Emergency Communications	Verbal request	N/A	02/28/03	No formal written request. Stand-alone ALI Database connectivity delays. Awaiting T1 connectivity. Maps and traffic plans sent to PSAP for approval.
NC	Greene	Greene County Department of Emergency Services	04/04/01	N/A	02/28/03	No formal request. PSAP not enhanced when informal request submitted. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NC	Hertford	Hertford County Sheriff's Office	Verbal request	N/A	02/28/03	No formal written request. PSAP not enhanced when verbal request received. Sprint is migrating PSAP to Rocky Mountain selective router, to be complete Feb. 2003 .

NC	Jones	Jones County Sheriff's Office	Verbal request	N/A	02/28/03	No formal written request. PSAP not enhanced when request submitted Stand-alone ALI Database connectivity delays. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NC	Madison	Madison County Emergency Communications	Verbal request	N/A	02/28/03	No formal written request. Stand-alone ALI Database connectivity problems. Awaiting funding for PSAP's CPE upgrade. PSAP needs to install CPE and decide what ALI to connect to.
NC	McDowell	McDowell County Emergency operations	10/25/00	N/A	03/31/03	PSAP not enhanced when request submitted or by 6 month due date. PSAP completed required CPE upgrade on 9/23/02. ALI link live 10/2/02. PSAP needs to sign interconnect agreement with Verizon LEC. PSAP requested direct trunking. New trunks are on order.
NC	Moore	Moore County Emergency Communications	05/12/00	11/08/00	02/28/03	Stand-alone ALI Database connectivity delays. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NC	Pender	Pender County Sheriffs Office	Verbal request	N/A		No formal written request. All deployment tasks are complete. Drive testing in progress.
NC	Perquimans	Perquimans County Communications System	07/10/02	01/10/03	'03	All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NC	Pitt	Pitt County 911	11/15/00	05/14/01	02/28/03	Stand-alone ALI Database connectivity delays. ALI connection required unique CPE interface. Lightning damaged router on 9/18/02. Pending third router order.
NC	Surry	Surrey County communications	request	N/A	02/15/03	No formal written request. All deployment tasks are complete. Drive testing in progress.
NC	Vance	Henderson Vance 911 Center	07/31/01	01/27/02	02/28/03	Stand-alone ALI Database connectivity delays. All deployment tasks are complete except for delivery of trunks and building translations. Drive testing will follow.
NH	State-wide	New Hampshire State Police	03/20/97	N/A	05/31/03	Invalid request. Cost plan issues. Switch integrated, trunks in, completing maps and traffic plans to send to PSAP for approval.
TX	Calhoun	Calhoun County Sheriff's Office	11/02/01	N/A	03/31/03	No formal request for service. All deployment tasks are complete. Drive testing in progress.
VA	Alleghany	Alleghany County E-911	06/04/02	N/A		All USCC deployment tasks are complete. Ready for drive testing. Pending their trunks.
VA	Botetourt	Botetourt County Sheriff's Office	01/22/02	N/A	03/15/03	PSAP will not be ready to receive Phase 1 until February 2003. All deployment tasks are complete. Drive testing pending PSAP readiness.
VA	Charlotte	Charlotte County Sheriffs Office	07/11/01	N/A	03/15/03	PSAP not Phase 1 capable until 3/21/02. Trunk order delayed due to LEC circuit design issue LEC is working on. All deployment tasks are complete except delivery of trunks and building translations. Drive testing will follow.

VA	Grayson/Carroll	City of Galax Police Department	10/26/99	N/A	02/28/03	PSAP was not ready for Phase 1 until August 2002. Resent maps and traffic plans to GeoComm for approval. Trunks are complete pending approval from GeoComm, the PSAP's contractor.
VA	Greene	Greene County Sheriffs Office	05/28/02	11/28/02	04/15/03	T1 is in place. Awaiting Sprint's determine of whether a second trunk group is needed.
VA	Prince Edward	Town of Farmville E-911	02/13/02	N/A	03/31/03	PSAP will not be ready until CPE upgrade in February 2003. All deployment tasks are complete except for trunks and building of translations. Drive testing will follow PSAP upgrade.
VA	Roanoke	Town of Vinlon Police Department	05/23/02	11/23/02		PSAP does not have trunks in. All USCC deployment steps are complete. Drive testing will occur when PSAP is ready.
VA	Smyth	Smyth County E-911	04/18/02	N/A	03/30/03	PSAP was not ready for Phase 1 until August 2002. Trunks are complete. Maps and traffic plan to PSAP awaiting approval.
WA	Grant	Multi-Agency Communications Center	04/22/98	N/A	03/31/03	No cost recovery until January 2003. Trunks ordered. Creating Pani's. Maps and traffic plans complete.
WA	Grays Harbor	Grays Harbor Communications	03/20/00	N/A	03/31/03	No cost recovery until January 2003. Trunks ordered. Creating Pani's. Maps and traffic plans complete.
WA	Klickitat	Klickitat Sheriff's Office	05/14/02	N/A	03/31/03	No cost recovery until January 2003. Trunks ordered. Creating Pani's. Maps and traffic plans complete.
WV	Mercer	Mercer County 911	04/30/01	N/A	03/31/03	Stand alone ALI database, PSAP is not connected to a selective router. Connectivity delays. LEC (Citizens Frontier) requesting conference call regarding trunks.

EXHIBIT D

**Phase 2 PSAP Requests
As of January 31, 2003**

State	County	PSAP / Authority Request	Request Date	Date of TDMA to CDMA	Market	Valid/ Invalid
FL	Jackson	Jackson County Sheriff's Office	01/18/02	04/01/04	FL-10	Valid
IL	Cass	Cass County Emergency Telephone System Board	08/08/02			TBD - USCC actively deploying
IL	Cook	Barrington Police Department	05/11/02			TBD - USCC actively deploying
IL	Cook	City of Chicago Communications Center	04/23/01			TBD - USCC actively deploying
IL	Cook	Evanston Police Department	01/31/02			TBD - USCC actively deploying
IL	Cook	Cook County Sheriff's Department	02/25/02			TBD - USCC actively deploying
IL	Cook	Deerfield Police Department	10/24/02			TBD - USCC actively deploying
IL	Cook	Glenview-Wheeling Police Department	04/15/02			TBD - USCC actively deploying
IL	Cook	Lansing Police Department	09/25/02			TBD - USCC actively deploying
IL	Cook	Morton Grove Police Department	01/09/01			TBD - USCC actively deploying
IL	Cook	Northbrook Police Department	02/01/02			TBD - USCC actively deploying
IL	Cook	Northfield Police Department	05/31/02			TBD - USCC actively deploying
IL	Cook	Orland Park Police Department	02/14/02			TBD - USCC actively deploying
IL	Cook	Richton Park, Olympia Fields, Matteson	12/28/02			TBD - USCC actively deploying
IL	Cook	Rosemont Police and Fire	09/17/02			TBD - USCC actively deploying
IL	Cook	Skokie Police Department	01/02/01			TBD - USCC actively deploying
IL	Cook	SouthCom Combined Dispatch Center	12/28/02			TBD - USCC actively deploying
IL	Cook	Village of Schaumburg	01/05/03			TBD - USCC actively deploying
IL	Cook	Wheeling Police Department	04/17/01			TBD - USCC actively deploying
IL	Knox	Emergency Telephone Systems Board	01/28/03			TBD - USCC actively deploying
IL	Lake	Vernon Hills Police Department	09/12/02			TBD - USCC actively deploying

IL	Lake	Waukegan Police Department	10/14/02			TBD - USCC actively deploying
IL	Lake	Winthrop Harbor	03/14/01			TBD - USCC actively deploying
IL	McLean	McLean County	07/05/02			TBD - USCC actively deploying
IL	Peoria	East Peoria Police and Fire	07/28/00			TBD - USCC actively deploying
IL	Rock Island	Rock Island County Sheriff's Department	11/16/00			TBD - USCC actively deploying
IL	Sangamon	Sangamon County Emergency Telephone System Department	01/06/03			TBD - USCC actively deploying
IL	Tazewell	East Peoria Police and Fire	08/15/00			TBD - USCC actively deploying
IL	Will	Telephone System	09/23/02			actively deploying
IN	Carroll	Department	08/14/01			Valid
IN	Cass	Cass County Enhanced 911	06/29/01			Valid
IN	Franklin	Franklin County Sheriff's Department	04/13/01			Valid
IN	Huntington	Huntington County Sheriff's Office	01/23/01			Valid
IN	Jefferson	Jefferson County Sheriff's Department	04/20/01			Valid
IN	Jefferson	Kings Daughters Hospital	04/20/01			Valid
IN	Jefferson	Madison Police Department	04/20/01			Valid
IN	Lake	Lake County Sheriff	03/10/02			Valid
IN	Lawrence	Bedford Police Department	05/04/01			Valid
IN	Lawrence	Lawrence County Sheriff's Office	05/04/01			Valid
IN	Lawrence	Mitchell Police Department	05/04/01			Valid
IN	Marshall	Marshall County Sheriff	10/08/02			Valid
IN	Miami	Miami County Sheriff's Office	04/17/02			Valid
IN	Parke	Parke County Sheriff's Office	07/16/01			Valid
IN	Pulaski	Pulaski County Sheriff's Office	07/16/01			Valid
IN	Putnam	Putnam County 911 Communications Office	11/07/01			Valid
IN	Sullivan	Sullivan County 911	10/03/02			Valid
IN	Wabash	Wabash County Sheriffs Office	12/20/99			Valid
MO	Boone	City of Columbia & Boone County Emergency Management	01/23/03	06/30/03	IL	Invalid - No PSAP cost recovery
MO	Stone	Stone County Emergency Services	05/04/01	10/01/03	MO-15	Invalid - No PSA cost recovery
NC	Chowan	Chowan Central Communications Center	08/16/01			Valid
NC	Craven	Craven County Sheriffs Communications	08/27/02			Valid
NC	Craven	Havelock Department of Public Safety	08/27/02			Valid
NC	Craven	New Bern Communciations Center	08/27/02			Valid

NC	Duplin	Duplin County Sheriff's Department	06/11/02		Valid
NC	Harnett	County of Harnett Management Information Systems	08/26/02		Valid
NC	Hoke	Hoke County Emergency Communications	08/19/02		Valid
NC	Iredell	Iredell County Emergency Communications	10/18/02		Valid
NC	Johnston	Johnston County Emergency Communications	08/03/01		Valid
NC	Lee	Sanford Police Department	09/04/02		Valid
NC	McDowell	McDowell County Emergency Operations	10/25/00		Valid
NC	Mitchell	Mitchell County E911	08/22/02		Valid
NC	Nash	Nash County Emergency Services	09/17/02		Valid
NC	New Hanover	New Hanover County Sheriff's Department	02/26/02		Valid
NC	Rockingham	Eden Police Department	11/20/02		Valid
NC	Rockingham	Rockingham County Emergency Services	11/01/02		Valid
NC	Wilkes	Wilkes County Sheriff's Communications	08/21/02		Valid
TN	Anderson	Anderson County E911	12/28/01		Valid
TN	Anderson	Anderson County EMS	12/28/01		Valid
TN	Anderson	Clinton Police Department	12/28/01		Valid
TN	Anderson	Lake City Police Department	12/28/01		Valid
TN	Anderson	Oak Ridge Police Department	12/28/01		Valid
TN	Anderson	Oliver Springs Police Department	12/28/01		Valid
TN	Bledsoe	Bledsoe County Sheriffs Office	12/28/01		Valid
TN	Blount	Blount County Communications Center	12/28/01		Valid
TN	Bradley	Cleveland Police Department Dispatch Center	12/28/01		Valid
TN	Campbell	Campbell County 911	12/28/01		Valid
TN	Campbell	La Follette Police Department	12/28/01		Valid
TN	Claiborne	Claiborne County Communications Office	12/28/01		Valid
TN	Cocke	Cocke County 911	12/28/01		Valid
TN	Cumberland	Cumberland County Central Communications	12/28/01		Valid
TN	Fentress	Fentress County Communications Office	12/28/01		Valid
TN	Hancock	Hancock County Sheriff's Office	12/28/01		Valid
TN	Jefferson	Jefferson County 911	12/28/01		Valid
TN	Knox	Knox Emergency Communications District	04/01/02		Valid
TN	Loudon	Loudon County Sheriff's Office	12/28/01		Valid
TN	McMinn	Ettowah Police Department	12/28/01		Valid
TN	McMinn	McMinn County 911	12/28/01		Valid
TN	Meigs	Meigs County Sheriff's Office	12/28/01		Valid

TN	Monroe	Monroe County Communications	12/28/01			Valid
TN	Morgan	Morgan County EMS	12/28/01			Valid
TN	Overton	Overton County E911	12/28/01			Valid
TN	Pickett	Pickett County Sheriff's Office	12/28/01			Valid
TN	Polk	Polk County Sheriff's Department Central 2	12/28/01			Valid
TN	Polk	Polk County Sheriff's Office	12/28/01			Valid
TN	Putnam	Putnam County 911 Communications Office	12/28/01			Valid
TN	Rhea	Rhea County 911	12/28/01			Valid
TN	Roane	Roane County 911	12/28/01			Valid
TN	Scott	Emergency Communications District	12/28/01			Valid
TN	Sevier	Gatlinburg Police Department	12/28/01			Valid
TN	Sevier	Pigeon Forge Police Department	12/28/01			Valid
TN	Sevier	Sevier County Sheriff's Office	12/28/01			Valid
TN	Sevier	Sevierville Police Department	12/28/01			Valid
TN	Trousdale	Trousdale County 911	12/28/01			Valid
TN	Union	Union County Sheriff's Office	12/28/01			Valid
TX	Neuces	City of Corpus Christi	09/10/02	05/01/04	Corpus Christi	Valid
TX	Wichita	American Medical Response/Lifeline EMS	01/24/01	07/01/03	Wichita Falls	Valid
TX	Wichita	Burkburnett Police Department	01/24/01	07/01/03	Wichita Falls	Valid
TX	Wichita	Electra Police Department	01/24/01	07/01/03	Wichita Falls	Valid
TX	Wichita	Iowa Park Police Department	01/24/01	07/01/03	Wichita Falls	Valid
TX	Wichita	Sheppard Air Force Base Fire Department	01/24/01	07/01/03	Wichita Falls	Valid
TX	Wichita	Wichita Falls Police Department	01/24/01	07/01/03	Wichita Falls	Valid
VA	Amherst	City of Lynchburg Emergency Communications Center	09/26/01			Valid
VA	Rockbridge	Rockbridge County Sheriff's Department	05/23/02			Valid
VA	Albemarle	Albemarle Emergency Communication Center	06/21/01			Valid
VA	Albemarle	Albemarle Fire Department	06/21/01			Valid
VA	Albemarle	City of Charlottesville	06/21/01			Valid
VA	Frederick	Frederick County Sheriff's Office	07/12/01			Valid
VA	Henry	Martinsville/Henry County 911 Communications Center	09/17/01			Valid
VA	Roanoke	City of Roanoke, Communications	09/20/01			Valid
VA	Roanoke	Salem City Police Department	03/06/02			Valid
VT	State-wide	State of Vermont 911	Verifying with VT			Valid

CERTIFICATE OF SERVICE

I, Tami Smith, do hereby certify that on this 3rd day of February 2003, copies of the foregoing "United States Cellular Corporation Quarterly E911 Implementation Report" were served by U.S. first-class mail, postage prepaid, to the following:

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