Appendix A - TRI Lab Testing:

LNP Network Configuration:

In preparation for the testing of Local Number Portability, the following additions and changes to TRI lab facilities were required. The large majority of these changes were implemented during May '97:

- three new SS7 trunk groups, dedicated to LNP testing, were added to each of the lab 'local' switches (5ESS, DMS, 1AESS, and AXE). No new groups were added to the DMS-250 switch.
- three new MF trunk groups, dedicated to LNP testing, were added to all four of the local switches.
- a new rate center was established in each of the four switches.
- eight new NXXs were opened in the test network, two on each of the local switches. On each switch, one new NXX was opened in the first rate center, and one was opened in the new rate center (required for testing of intra-switch toll calls).
- A new 100-pair cable was installed from the lab switches to the test positions. Twenty new lines were established from each switch – POTS, 1MR, and Plexar classes of service were included. New numbers were added, both ported and non-ported (in a portable NXX) in each switch. PBX numbers (ported and non-ported; MF trunked and PRI) were created. ISDN lines (ported and non-ported) were added.
- Translations and trunking were established to allow the 5ESS and DMS to serve as tandem offices; routing in all four of the local offices was changed to overflow trunks from SS7 to MF, and from local to tandem routes.
- The LNP application was activated in the ISCP (Current Generation Platform). 60 new Call Processing Records (CPRs) were created for test numbers. (These same records were re-created on the Next Generation Platform in October '97)
- Switch, STP and ISCP translations were established for the LNP application.

Timelines, Test Suites, and Call Volumes:

Testing was initiated after the reconfiguration of the test network was completed. An initial series of test calls was performed to verify trunking, rate center translations, AMA generation, ISCP and SSP LNP functionality, and SS7 routing through the test network. These test calls were repeated until all configuration problems were corrected – this work was completed by the end of May '97. Official application testing (call-through, protocol verification, AMA verification) was started on 6/4/97. As discussed and agreed to by the SWBT LNP Test Committee, testing was based on the Illinois Local Number Portability Test Plan, as produced by the Illinois Number Portability Workshop. Additional test cases were added to this test plan as necessary.

Following is a summary of the testing that was conducted. The first table shows the approximate number of calls included in each category. Although this table totals over 1,300 calls, this number does not accurately represent the total number of calls actually made. A large percentage of the calls were repeated to verify supplier patches or translations changes. The release of three separate software loads from one supplier (Ericsson) resulted in over 400 additional calls that are not included in the table. In total, it is estimated that well over 2,100 test calls were placed for LNP.

Test Category	Number of Calls
Local Intra-Office Calls	32
Local Inter-Office (Direct Trunks)	71
Local Inter-Office (via Tandem)	45
IntraLATA Toll, Direct Trunks to Carrier	35
IntraLATA Toll, via Tandem, Originating and Terminating MF	10
IntraLATA Toll, DialAround (1010XXX)	13
IntraLATA Toll, Intra-Office	16
Default Routing	16
IntraLATA Toll Default Routing – Donor switch provides term. number	4
Signal Ported Number	11
Local Interoffice, Originating switch not equipped	10
Cause Code 26	7
AMA-specific tests (in addition to AMA from other calls)	40
PBX (MF and ISDN Primary Rate)	60
Coin	40
Plexar (Call-through tests)	44
Plexar (Feature tests)	84
Measured Rate	44
Basic Rate ISDN	50
Vertical Service Tests (non-MRS)	208
Operator Services (MRS)	30
Vertical Service Tests (MRS)	57
AIN Local Routing Service	74
AIN Service and Feature Interaction	166
Next Generation Platform	170
STP Selective Call Gapping	35

The next table shows a breakdown of the test activity performed in each month, May '97 through Jan '98. In general, for each category of test calls, the following pattern was followed:

1) Creation of test script
2) Changes, if any, to test network translations
3) Call completion
4) Analysis of SS7 call set-up, query and response messages
5) Generation and analysis of AMA recordings
6) Analysis of test failures
7) Negotiation with suppliers for patches (when required)
8) Retest of call failures after any corrective action (re-translation, supplier patch, etc.)

Month	LNP Test Activity
May '97	Lab test network configuration
June '97	Basic call-through tests, including protocol and AMA analysis
July '97	Vertical services (non-MRS), PBX, Automatic Call Gapping (ISCP)
August '97	Coin, Plexar, Dual PIC, Message Rate, AXE pre-release
September '97	ISDN Circuit Switched Data, MBI, Cause Code 26 Error Treatment, RI Error Treatment
October '97	AIN Feature Interaction, 2nd AXE release, Next Generation Platform, Vertical Services (MRS)
November '97	AIN services, Operator Services including LRN query/response, MRS (Alternate Billing Services), TOPS call completion (complete Op Svcs tested by field)
December '97	3rd AXE release, Completion of AIN services
January '98	STP Selective Call Gapping

DSC Communications' STP:

TRI Lab testing of DSC Communications' STP Release 10.0 and 10.10 progressed through ten distinct phases of testing:

- Operational
- MTP
- Large Model GTT/MRS/LRN
- GTT Loopback (circular SS7 message detection control)
- SCCP
- Netpilot
- Partial Point Code Routing
- Gateway Screening
- CCD/Network Management Capacity
- Selective Call Gapping

The findings are summarized as follows:

- ***Release 10.0:***
  The lab found 32 problems (11-critical, 3-major, 18-minor) in Release 10.0 during the FVO process which subsequently generated four different versions of the release software. Following deployment into production two additional critical problems were found which will be incorporated into Release 10.10.
- ***Release 10.10:***
  The lab has thus far found 22 problems (4-critical, 3-major, 15-minor) during the pre-FVO and FVO process which subsequently generated three different versions of the release.

Support of SWBT Field Testing:
Additional LNP-related activities that occurred during lab testing:

- SWBT AMA subject matter expert on-site for AMA-specific testing.
- Maintenance and Operations subject matter expert on-site for a tutorial on the activation and support of the LNP application on the ISCP, as well as instruction in CPR provisioning of LNP.
- Established 117 test records on the ISCP Current Generation Platform for use by the Houston MSA in their initial testing.
- Established 117 test records on the ISCP Next Generation Platform for use by the Houston MSA for continued field testing.
- Houston Operator Services personnel on-site to conduct Operator Services testing

Overall LNP Test Results:
In addition to call related faults discovered during this testing (call processing, AMA recording, feature interaction), additional faults involving network management, SS7 parameter population, and query/response generation were also discovered. Less than 10 of these faults remain as open issues, and all but two of these already have supplier fixes scheduled for deployment. Faults were discovered on all involved network elements (5ESS, 1AESS, DMS-100, AXE, DMS-TOPS, ISCP, DSC STP).

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct to the best of my knowledge. Executed on February 19, 1998 at San Antonio, Texas.

Delbert L. Duncan

Delbert L. Duncan

EXHIBIT B

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

In the Matter of Telephone Number Portability	CC Docket No. 95-116

DECLARATION OF SALLY D. SWAN

I, Sally D. Swan, declare as follows:

1. I am the Director - Local Number Portability, for Pacific Bell and Nevada Bell. In this position I am responsible for the planning, policy development and implementation of Local Number Portability (LNP) within California and Nevada. My business address is 2600 Camino Ramon, Room 2S155, San Ramon, California, 94583.

2. I have a Bachelor of Science - Economics degree from California Polytechnic State University, San Luis Obispo. I also have a Masters in Business Administration, with a concentration in Management Information Systems.

   I was employed by Pacific Bell in 1979. Since that time, I have held a variety of positions including computer programmer, data base administrator, financial

modeling, Customer Service Quality Manager, Director of statewide Business Offices and Customer Service Centers, Executive Director of the Los Angeles Public Sector Sales Branch, and Executive Director of the statewide Education and Library Marketing Division.

In 1996 I was named Executive Director of Local Competition, Local Number Portability (LNP) Industry Coordination. In this capacity I served as Pacific Bell's representative on the North American Numbering Council (NANC) LNP Administration Working Group. I was also co-chair of the California LNP Task Force, and I was Pacific Bell's voting member of the West Coast Portability Services (WCPS), Limited Liability Company (LLC). This is a consortium of twelve member telecommunications companies that provide local exchange carrier services to California, Nevada and Hawaii. I was assigned my current responsibility in mid-1997.

3 As a part of my responsibilities, I am familiar with the efforts that Pacific Bell has undertaken to implement LNP. I am chairperson of Pacific Bell's LNP Program Management Team, and leader of the LNP Program Office.

The LNP Program Management Team (PMT) is a cross-functional team that is responsible for overall management and coordination of efforts for LNP implementation. The PMT is made up of middle managers from the following organizations: Information Systems/Network Services, Network Planning and

Engineering, Network and Service Operations, Industry Marketing, Retail Marketing, Procurement, Operator Services, E911, Regulatory and others.

The LNP Program Office is responsible for project oversight, including the LNP program budget, work breakdown structure, timeline, and issues management. The Program Office is also responsible for ensuring Pacific Bell fully participates in industry efforts, such as the NANC LNP Administration Working Group, the California LNP Task Force, and the West Coast Portability Service, LLC.

4. Substantial network and operational support system (OSS) modifications and additions are being made for implementation of LNP, including the following:

- Switches: Every selected end office is being equipped with LRN software. In addition, the serving tandem and operator service switches are being equipped.
- Signaling Transfer Points (STPs): LNP queries will increase the load on network STPs, and a Global Title Translation (GTT) function is being provided in some STPs to route Signaling System 7 (SS7) messages to the correct network element for advanced network services. Additional SS7 links to the LNP databases and to the STPs are being provided to accommodate the increased load.
- Number Portability Database: In the Los Angeles MSA, Pacific Bell is deploying LNP using the Intelligent Service Control Point (ISCP) to provide LNP functionality, and the DSC Communication STPs to provide Message Relay

Service function. LNP functionality for remaining MSAs is being provided on the DSC Integrated STP.

- Local Service Management System (LSMS): The LSMS is a new system that is has been deployed to provide ordering, provisioning and number management functionality to the number portability ISCPs.
- Operational Support Systems: Pacific Bell and Nevada Bell have also implemented extensive modifications in over 60 software applications for OSSs that provide ordering, provisioning, billing and service assurance functionalities required for the provision of number portability.
- Regional SMS/Number Portability Administration Center (NPAC): The NPAC is a neutral third part who will administer and maintain the Regional SMS information on all ported numbers in the West Coast regional area. Perot has been selected by the WCPS LLC as the NPAC supplier for the West Coast Region, and preliminary interconnection testing between the Pacific Bell LSMS and the NPAC for LNP service order activation and database downloads have taken place. Defects with the Perot NPAC operation and processing capabilities have been discovered. Resolution plans and contingency options are under analysis by Pacific Bell, Nevada Bell and the WCPS, LLC.

5. Pacific Bell and Nevada Bell have taken significant steps in meeting LNP deployment requirements, and with the exception of Perot NPAC functionality, we have been on track to implement LNP in accordance with the FCC mandated timeline. Numerous

activities have been managed on a detailed schedule. These activities include the ordering and installation of hardware and software, translations work in selected switches, establishment and performance of inter- and intra-company test procedures, development and modification of methods and procedures, and modification and additions to operational support systems.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct. Executed on February 13, 1998 at San Ramon, California.

Sally D. Swan

0178682.01

EXHIBIT C

List of Affected Switches

HOUSTON	
Wire Center	**CLLI**
AIRLINE 447	HSTNTXAIDSO
AIRLINE ISDN	HSTNTXAIRS1
ALDINE 442	HSTNTXADCG0
ALDINE ISDN	HSTNTXADRS0
ALIEF 498	HSTNTXALDS0
ALVIN TOTAL	ALVNTXALCG0
APOLLO 488	HSTNTXAPCG0
APOLLO ISDN	HSTNTXAPRS0
BAMMEL 444	HSTNTXBADS0
BAMMEL ISDN	HSTNTXBARS1
BARKER 492	HSTNTXBRCG0
BARKER ISDN	HSTNTXBRRS0
BLUE RIDGE WEST 437	HSTNTXBWCG0
BUFFALO 497	HSTNTXBUDS0
WEST OAKS	HSTNTXWORS0
WOOD CREEK	HSTNTXZCRS0
WEST HOLLOW	HSTNTXVZRS0
CAPITOL 222	HSTNTXCACG1
CAPITOL	HSTNTXCACG2
CAPITAL ISDN	HSTNTXCARS0
CHANNELVIEW 452	HSTNTXCHRS0
CHANNELVIEW 452	HSTNTXCHRS1
CHANNELVIEW 452	HSTNTXCHRS2
CLAY 651	HSTNTXCLCG1
CLAY	HSTNTXCLCG2
CLAY	HSTNTXCLDS0
CLEVELAND 592	CLEVTXCLDS0
DAYTON 258	DYTNTXDARS0
CYPRESS TOTAL	CYPRTXCYDS0
DEER PARK 479	HSTNTXDPCG0
DEER PARK ISDN	HSTNTXDPRS0
EAST HOUSTON 458	HSTNTXEHCG0
ELLINGTON EAST 487	HSTNTXEERS0
ELLINGTON EAST 487	HSTNTXEERS1
ELLINGTON EAST 487	HSTNTXEERS2
ELLINGTON WEST 481	HSTNTXWLCG0
ELLINGTON WEST ISDN	HSTNTXWLRS0
FAIRBANKS 462	HSTNTXFADS0
FAIRBANKS ISDN	HSTNTXFARS1
FRIENDSWOOD	HSTNTXFRCG0
FRIENDSWOOD	HSTNTXFRRS0
GLENDALE 453	HSTNTXGLCG0
GLENDALE ISDN	HSTNTXGLRS0

List of Affected Switches

GREENSPOINT 876	HSTNTXGPDS0
GREENWOOD 472	HSTNTXGRCG0
GREENWOOD ISDN	HSTNTXGRRS0
HEMPSTEAD 826	HMPSTXHMDS0
HOMESTEAD 465	HSTNTXHODS0
HOMESTEAD ISDN	HSTNTXHORS0
HUDSON 944	HSTNTXHUDS0
HUDSON ISDN	HSTNTXHURS0
IDLEWOOD 433	HSTNTXIDCG0
IDLEWOOD ISDN	HSTNTXIDRS0
JACKSON 522	HSTNTXJACG0
JACKSON	HSTNTXJACG2
JACKSON	HSTNTXJADS1
JACKSON	HSTNTXJA04T
JACKSON	HSTNTXJA05T
JACKSON ISDN	HSTNTXJARS0
LANGHAM CREEK 463	HSTNTXLACG0
LANGHAM CREEK ISDN	HSTNTXLARS0
LAPORTE 471	HSTNTXLPDS0
LAPORTE ISDN	HSTNTXLPRS0
LIBERTY 336	LBRTTXLBDS0
MANVEL	HSTNTXMADS0
MEDICAL CENTER 795	HSTNTXMCDS0
MISSION 644	HSTNTXMICG0
MISSION ISDN	HSTNTXMIRS0
MOHAWK 664	HSTNTXMOCG0
MOHAWK	HSTNTXMOCG1
MOHAWK ISDN	HSTNTXMORS0
NATIONAL 622	HSTNTXNACG0
NATIONAL	HSTNTXNACG1
NATIONAL	HSTNTXNADS0
NEPTUNE 633	HSTNTXNECG0
NEPTUNE ISDN	HSTNTXNERS0
ORCHARD 672	HSTNTXORCG0
ORCHARD ISDN	HSTNTXORRS0
OVERLAND 682	HSTNTXOVDS0
OVERLAND ISDN	HSTNTXOVRS0
OXFORD 692	HSTNTXOXCG0
OXFORD ISDN	HSTNTXOXRS0
PARKVIEW 723	HSTNTXPACG0
PARKVIEW ISDN	HSTNTXPARS0
PEARLAND	HSTNTXPERS1
PEARLAND	HSTNTXPERS2
PEARLAND	HSTNTXPERS3
PEARLAND ISDN	HSTNTXPERS0

List of Affected Switches

PINEHURST TOTAL	PNHRTXPNDS0
PRAIRIE VIEW 857	PRVWTXPRRS0
PRESCOTT 774	HSTNTXPRDS0
PRESCOTT ISDN	HSTNTXPRRS0
REPUBLIC 734	HSTNTXRECG0
REPUBLIC ISDN	HSTNTXRERS0
RICH-ROSE TOTAL	RSBGTXRRDS0
RICH-ROSE TOTAL	RSBGTXPGDC3
RIVERSIDE 747	HSTNTXRIDS0
RIVERSIDE ISDN	HSTNTXRIRS0
SATSUMA 469	HSTNTXSACG0
SATSUMA ISDN	HSTNTXSARS0
SEABROOK 474	HSTNTXSERS1
SEABROOK 474	HSTNTXSERS2
SEABROOK ISDN	HSTNTXSERS0
SHELDON 456	HSTNTXSHRS0
SMITHERS LAKE TOTAL	SMLKTXSMDS0
SPLENDORA 689	SPLDTXSPDS0
SPRING NO. TOTAL	SPRNTXNODS0
SPRING SO. TOTAL	SPRNTXSOCG0
SPRING SOUTH ISDN	SPRNTXSORS0
SUNSET 781	HSTNTXSUDS0
SUNSET ISDN	HSTNTXSURS0
TOMBALL KLEIN TOTAL	TBLLTXKLCG0
TOMBALL KLEIN ISDN	TBLLTXKLRS0
TOMBALL TOTAL	TBLLTXTBDS0
UNDERWOOD 861	HSTNTXUNCG0
UNDERWOOD ISDN	HSTNTXUNRS0
VALLEY LODGE TOTAL	VLLDTXVLDS0
WALLER 372	WLLRTXWLRS0
WALNUT 921	HSTNTXWACG0
WALNUT ISDN	HSTNTXWARS0
WESLAYAN	HSTNTX0801T
WESLAYAN	HSTNTX0802T
WESLAYAN	HSTNTX0806T
WESTFIELD 443	HSTNTXWECG0
WESTFIELD ISDN	HSTNTXWERS0
WYDOWN 991	HSTNTXWYDS0

List of Affected Switches

DALLAS	
Wire Center	CLLI
AUBREY	ABRYTXGIRS0
ALLEN	ALLNTXSADS0
ANNA	ANNATXWARS0
CELINA	CELNTXDURS0
DALLAS - ADDISON	DLLSTXADDS1
DALLAS - ADDISON	DLLSTXADCG1
DALLAS - ADDISON	DLLSTXADDS0
DALLAS - ADDISON	DLLSTXADRM0
DALLAS - ADDISON	DLLSTXADRS0
DALLAS - ADDISON	DLLSTXADRS3
DALLAS - CEDAR HILL	DLLSTXCHDS0
DALLAS - DAVIS	DLLSTXDACG0
DALLAS - DAVIS	DLLSTXDARS2
DALLAS - DIAMOND	DLLSTXDIDS0
DALLAS - DIAMOND	DLLSTXDIRS2
DALLAS - DANIELDALE	DLLSTXDNDS0
DALLAS - DE SOTO	DLLSTXDSDS0
DALLAS - DUNCANVILLE	DLLSTXDVCG0
DALLAS - DUNCANVILLE	DLLSTXDVRS2
DALLAS - EMERSON	DLLSTXEMDS0
DALLAS - EVERGREEN	DLLSTXEVDS0
DALLAS - EXPRESS	DLLSTXEXDS0
DALLAS - FARMERS BRANCH	DLLSTXFBCG0
DALLAS - FARMERS BRANCH	DLLSTXFBRS2
DALLAS - FEDERAL	DLLSTXFEDS0
DALLAS - FLEETWOOD	DLLSTXFLDS0
DALLAS - FRANKLIN	DLLSTXFRCG0
DALLAS - FRANKLIN	DLLSTXFRRS2
DALLAS - MESQUITE	DLLSTXGDRS0
DALLAS - GRAND PRAIRIE	DLLSTXGPCG0
DALLAS - GRAND PRAIRIE	DLLSTXGPRS2
DALLAS - HAMILTON	DLLSTXHACG0
DALLAS - HAMILTON	DLLSTXHARS2
DALLAS - HUTCHENS	DLLSTXHUDS0
DALLAS - LAKESIDE	DLLSTXLADS0
DALLAS - LANCASTER	DLLSTXLNDS0
DALLAS - MID CITIES	DLLSTXMCCG0
DALLAS - MID CITIES	DLLSTXMCDS0
DALLAS - MELROSE	DLLSTXMECG0
DALLAS - MELROSE	DLLSTXMECG1
DALLAS - MELROSE	DLLSTXMERS0
DALLAS - MELROSE	DLLSTXMERS3
DALLAS - MESQUITE	DLLSTXMSDS0

List of Affected Switches

DALLAS - N MESQUITE	DLLSTXNMCG0
DALLAS - N MESQUITE	DLLSTXNMRS2
DALLAS - NORTHLAKE	DLLSTXNODS0
DALLAS - NORTHLAKE	DLLSTXNORS0
DALLAS - RENNER	DLLSTXRECG0
DALLAS - RENNER	DLLSTXRERS2
DALLAS - RIVERSIDE	DLLSTXRI01T
DALLAS - RIVERSIDE	DLLSTXRICG2
DALLAS - RIVERSIDE	DLLSTXRIDS0
DALLAS - RICHARDSON	DLLSTXRNDS0
DALLAS - RICHARDSON	DLLSTXRNRS0
DALLAS - ROSS	DLLSTXRODS0
DALLAS - RYLIE	DLLSTXRYDS0
DALLAS - SEAGOVILLE	DLLSTXSEDS0
DALLAS - SUNNYVALE	DLLSTXSUDS0
DALLAS - TAYLOR	DLLSTXTADS0
DALLAS - TAYLOR	DLLSTXTA03T
DALLAS - TAYLOR	DLLSTXTA04T
DALLAS - WHITEHALL	DLLSTXWHCG0
DALLAS - WHITEHALL	DLLSTXWHRS2
ENNIS	ENNSTXTRDS0
FORNEY	FRNYTXHIRS0
FRISCO - COLONY	FRSCTXCODS0
FRISCO - ESSEX	FRSCTXESDS0
FRISCO - W LITTLE ELM	FRSCTXWERS0
FARMERSVILLE	FRVLTXSTRS0
GAINESVILLE	GSVLTXHODS0
GREENVILLE	GNVLTXGLDS0
ITALY	ITLYTXHURS0
MCKINNEY - LINDEN	MCKNTXLIDS0
MCKINNEY - LINDEN	MCKNTXLIDS1
MCKINNEY - TERMINAL	MCKNTXTERS0
MCKINNEY WEST	MCKNTXWERS0
MIDLOTHIAN	MDLTTXGRRS0
PROSPER	PRSPTXFIRS0
PRINCETON	PRTNTXRERS0
RICHARDSON	RCSNTXBZRS0
RED OAK	RDOKTXHODS0
ROCKWALL	RKWLTXPADS0
TERRELL	TRRLTXJODS0
ROYCE CITY	RYCYTXNERS0
WOLFE CITY	WFCYTXGYDS0
WAXAHACHIE	WXHCTXWEDS0

List of Affected Switches

ST. LOUIS	
Wire Center	**CLLI**
ANTONIA	ANTOMO50RS2
BRIDGETON	STLSMO42CG0
BRIDGETON	STLSMO42RS2
CEDAR HILL	CDHLMO51RS0
CHESTERFIELD	CHFDMO52DSA
CHESTERFIELD ISDN	CHFDMO52RS2
CHESTNUT (DSA)	STLSMO01DSA
CHESTNUT (DSC)	STLSMO01DSC
CHESTNUT ISDN	STLSMO01RS1
CREVE COEUR	STLSMO27CG0
CREVE COEUR ISDN	STLSMO27RS2
CREVE COEUR	STLSMO27RS0
EVERGREEN	STLSMO02CG0
EVERGREEN ISDN	STLSMO02RS1
EVERGREEN	STLSMO02RS0
FENTON	FNTNMO54DS0
FENTON ISDN	FNTNM054RS2
FERGUSON	STLSMO20DSA
FERGUSON IITS	STLSMO20RS2
FESTUS	FSTSMOYEDS0
FLANDERS	STLSMO03CG0
FLANDERS ISDN	STLSMO03RS3
FLORISSANT	STLSMO40CG0
FLORISSANT ISDN	STLSMO40RS3
FLORISSANT	STLSMO40RS2
FOREST	STLSMO04CG0
FOREST ISDN	STLSMO04RS3
FOREST	STLSMO04RS2
HARVESTER	HVTRMO67DSA
HARVESTER ISDN	HVTRMO67RS2
HAZELWOOD	STLSMO43CG0
HAZELWOOD ISDN	STLSMO43RS2
HIGH RIDGE	HGRGMO56RS2
HOUSE SPRINGS	HGRGMO57RS2
HILLSBORO	HLBOMO66RS1
IMPERIAL	IMPRMO58RS2
JEFFERSON	STLSMO05CG0
JEFFERSON ISDN	STLSMO05RS2
JEFFERSON	STLSMO05RS0
JEFFERSON	STLSMO05RS3
JEFFERSON	STLSMO05RS8
KIRKWOOD	STLSMO41CG0
KIRKWOOD ISDN	STLSMO41RS4

List of Affected Switches

LADUE	STLSMO21DS3
LADUE	STLSMO21RS0
MANCHESTER	MNCHMO59CG0
MANCHESTER ISDN	MNCHMO59RS2
MAXVILLE	MXVLMO60DSA
MEHLVILLE	STLSMO22CG0
MEHLVILLE ISDN	STLSMO22RS3
MEHLVILLE	STLSMO22RS2
MELROSE	STLSMO11DSA
MISSION	STLSMO06CG0
MISSION ISDN	STLSMO06RS2
MISSION	STLSMO06RS0
OVERLAND	STLSMO23CG0
OVERLAND ISDN	STLSMO23RS4
OVERLAND	STLSMO23RS3
OVERLAND	STLSMO23RS2
PACIFIC	PCFCMO61RS0
PARKVIEW	STLSMO07CG0
PARKVIEW ISDN	STLSMO07RS2
PARKVIEW (DSA)	STLSMO07DSA
PEVELY	PVLYMOAARS0
POND	PONDMO62RS4
POND ISDN	PONDMO62RS3
PORTAGE DES SIOUX	PRSXMO68RS0
PROSPECT	STLSMO08CG0
PROSPECT ISDN	STLSMO08RS4
PROSPECT	STLSMO08RS1
RIVERVIEW	STLSMO24CG0
RIVERVIEW	RVVWMOADRS0
SAPPINGTON	STLSMO25DSA
SAPPINGTON IITS	STLSMO25RS3
SPANISH LAKE	STLSMO45DSA
SPANISH LAKE	STLSMO45RS1
ST. CHARLES	STCHMO63DSA
ST. CHARLES ISDN	STCHMO63RS2
VALLEY PARK	VYPKMO64DS0
VALLEY PARK ISDN	VYPKMO64RS2
WEBSTER GROVES	STLSMO26DSA
WEBSTER GROVES ISDN	STLSMO26RS2
WELDON SPRINGS	HVTRMO65RS3
WELDON SPRINGS ISDN	HVTRMO65RS4

List of Affected Switches

FT. WORTH	
Wire Center	**CLLI**
ALVARADO	ALVDTXTIRS0
CLEBURNE	CLBNTXMIDS0
FORT WORTH - EULESS	FTWOTX16RS0
FORT WORTH - ALEDO	FTWOTXALRS0
FORT WORTH - ARLINGTON S	FTWOTXARCG0
FORT WORTH - ARLINGTON S	FTWOTXARRS2
FORT WORTH - ATLAS	FTWOTXATCG0
FORT WORTH - ATLAS	FTWOTXATRS2
FORT WORTH - WEDGEWOOD	FTWOTXAXCG0
FORT WORTH - WEDGEWOOD	FTWOTXAXRL0
FORT WORTH - WEDGEWOOD	FTWOTXAXRS2
FORT WORTH - BENBROOK	FTWOTXBBDS0
FORT WORTH - EAGLE MTN	FTWOTXBERS0
FORT WORTH - BURLESON	FTWOTXBNDS0
FORT WORTH - MANSFIELD	FTWOTXBRDS0
FORT WORTH - MANSFIELD	FTWOTXBRRS2
FORT WORTH - RICHLAND	FTWOTXBUCG0
FORT WORTH - RICHLAND	FTWOTXBURS2
FORT WORTH - CROWLEY	FTWOTXBYDS0
FORT WORTH - SAGINAW	FTWOTXCEDS0
FORT WORTH - SAGINAW	FTWOTXCERS2
FORT WORTH - CARTER FLD	FTWOTXCFRS0
FORT WORTH - CARTER FLD	FTWOTXCFRS1
FORT WORTH - CARTER FLD	FTWOTXCFRS2
FORT WORTH - CARTER FLD	FTWOTXCFRS3
FORT WORTH - CARTER FLD	FTWOTXCFRS4
FORT WORTH - WESTLAND	FTWOTXCIDS0
FORT WORTH - CENTERPOINT	FTWOTXCPDS0
FORT WORTH - CRESTVIEW	FTWOTXCRCG1
FORT WORTH - CRESTVIEW	FTWOTXCRDS0
FORT WORTH - CRESTVIEW	FTWOTXCRRS2
FORT WORTH - EDGECLIFF	FTWOTXECCG0
FORT WORTH - EDGECLIFF	FTWOTXECRS2
FORT WORTH - EDISON	FTWOTXEDCG0
FORT WORTH - EDISON	FTWOTXEDCG1
FORT WORTH - EDISON	FTWOTXEDDS0
FORT WORTH - EDISON	FTWOTXEDDS3
FORT WORTH - EDISON	FTWOTXED03T
FORT WORTH - EDISON	FTWOTXED04T
FORT WORTH - EULESS	FTWOTXEUCG0
FORT WORTH - EULESS	FTWOTXEURS2
FORT WORTH - GLENDALE	FTWOTXGLCG0
FORT WORTH - GLENDALE	FTWOTXGLRS2

List of Affected Switches

FORT WORTH - JEFFERSON	FTWOTXJECG0
FORT WORTH - JEFFERSON	FTWOTXJERS2
FORT WORTH - KENNEDALE	FTWOTXKECG0
FORT WORTH - KENNEDALE	FTWOTXKERS2
FORT WORTH - LAKE WORTH	FTWOTXLWDS0
FORT WORTH - MARKET	FTWOTXMADS0
FORT WORTH - MARKET	FTWOTXMARS2
FORT WORTH - PERSHING	FTWOTXPECG0
FORT WORTH - PERSHING	FTWOTXPERS2
FORT WORTH - TERMINAL	FTWOTXTEDS0
FORT WORTH - TERMINAL	FTWOTXTERS2
FORT WORTH - WALNUT	FTWOTXWACG0
FORT WORTH - WALNUT	FTWOTXWARS2
FORT WORTH - WHITE STTLE	FTWOTXWSDS0
GRANBURY	GRBYTXRADS0
MINERAL WELLS	MNWLTXFADS0
FORTH WORTH - ROANOKE	RONKTXRPRS0
FORTH WORTH - ROANOKE	RONKTXAFRS0
ROANOKE	RONKTXWODS0
ROANOKE	RONKTXWODS0
WEATHERFORD	WTFRTXLYDS0

List of Affected Switches

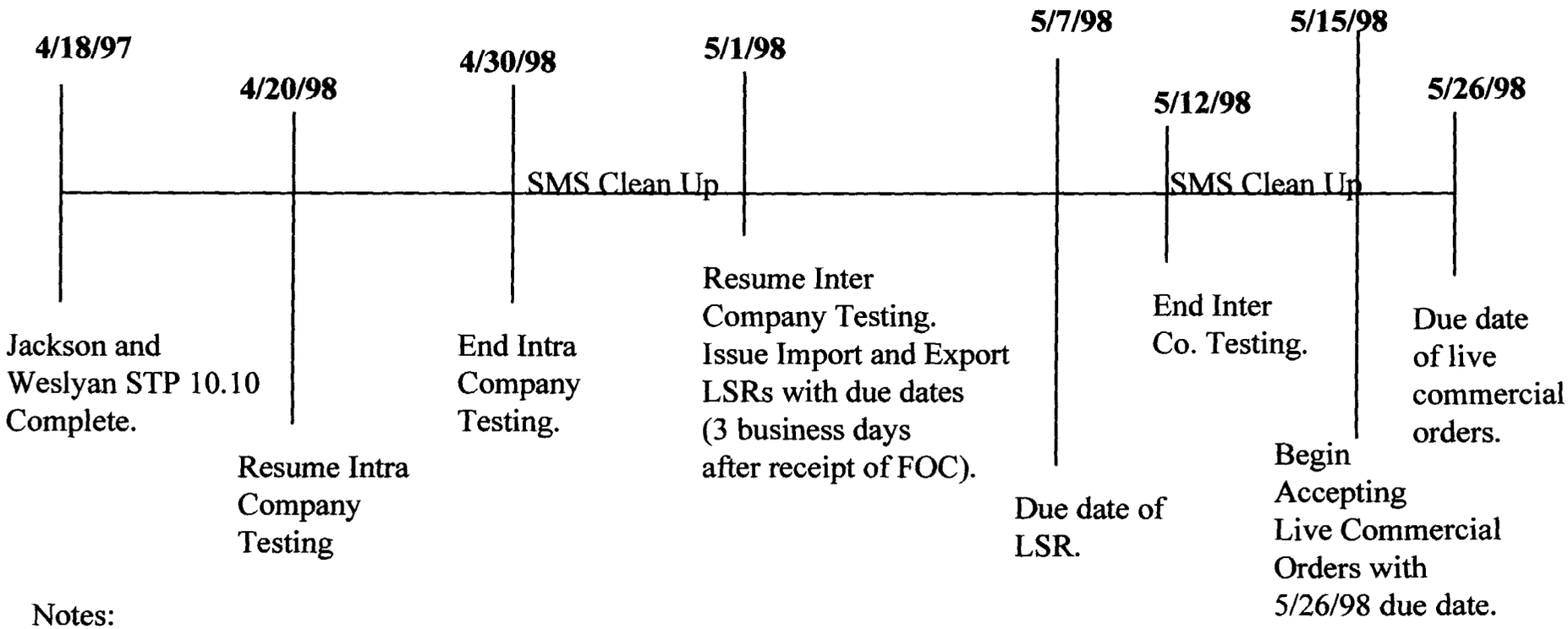
KANSAS CITY	
Wire Center	**CLLI**
Bethel Sunset	KSCYKSPADS0
Bonner Spring	KSCYKSBSDS0
Atchison	ATSNKSSFRS1
Desoto	DESTKSLURS1
Tonganoxie	TNGNKS06RS1
Canal	BLSPMOCADS0
Corpwood	KSCYKSCBDS0
Corpwood East	KSCYKSCPRS1
Corpwood West	KSCYKSQURS1
Stanley	KSCYKSSTRS0
Paola	PAOLKSPERS0
Hedrick	KSCYKSJOCG0
Hedrick	KSCYKSJODS0
Bonner North	KSCYKSBNRS1
Leavenworth	LVWOKSSHDS0
Lansing	LVWOKSLNRS0
Lenexa	KSCYKSLEDS0
Hedrick	KSCYKSJORS1
DuPont	KSCYKSNARS0
Liberty	KSCYMO42DS0
Excelsior Springs	EXSPMOMERS0
Richmond	RCMDMOPRRS0
McGee	KSCYMO55DS0
McGee	KSCYMO55DS1
McGee	KSCYMO55DS3
Benton	KSCYMO01RS0
Hiland	KSCYMO02RS0
Wabash	KSCYMO04RS0
Westport	KSCYMO05RS1
Gladstone	KSCYMO21RS0
Independence	KSCYMO22RS0
South	KSCYMO25RS0
South Willow	KSCYMO45RS0
Hedrick	KSCYKSJORS1
Nashua	KSCYMO20DS0
Smithville	SMVLMOTRRS0
South	KSCYMO25DS0
Raytown	KSCYMO24RS0
Lee's Summit	KSCYMO41RS0
South Willow	KSCYMO45DS0
Hiland	KSCYMO02RS1
St Joseph, not in MSA, Rushville host	STJSMODNDS0
Rushville	RUVLMORARS0

List of Affected Switches

Topeka, not in MSA, Eudora host	TPKAKSJADS0
Eudora	EUDRKSKIRS1
Belton	KSCYMO40DS0
Benton	KSCYMO01DS0
Drexel	KSCYKS10DS1
Dupont	KSCYKSNACG0
East Indep	KSCYMO44DS0
Gladstone	KSCYMO21DS0
Hiland	KSCYMO02CG0
Independence	KSCYMO22CG0
Lawrence	LWRNKSVEDS0
Lee's Summit	KSCYMO41CG0
Olathe	KSCYKSOLDS0
Parkville	KSCYMO23DS0
Raytown	KSCYMO24CG0
Shawnee	KSCYKSSHDS0
South Indep	KSCYMO48DS0
Stanley	KSCYKSSTDS0
Wabash	KSCYMO04CG0
Westport	KSCYMO05CG0

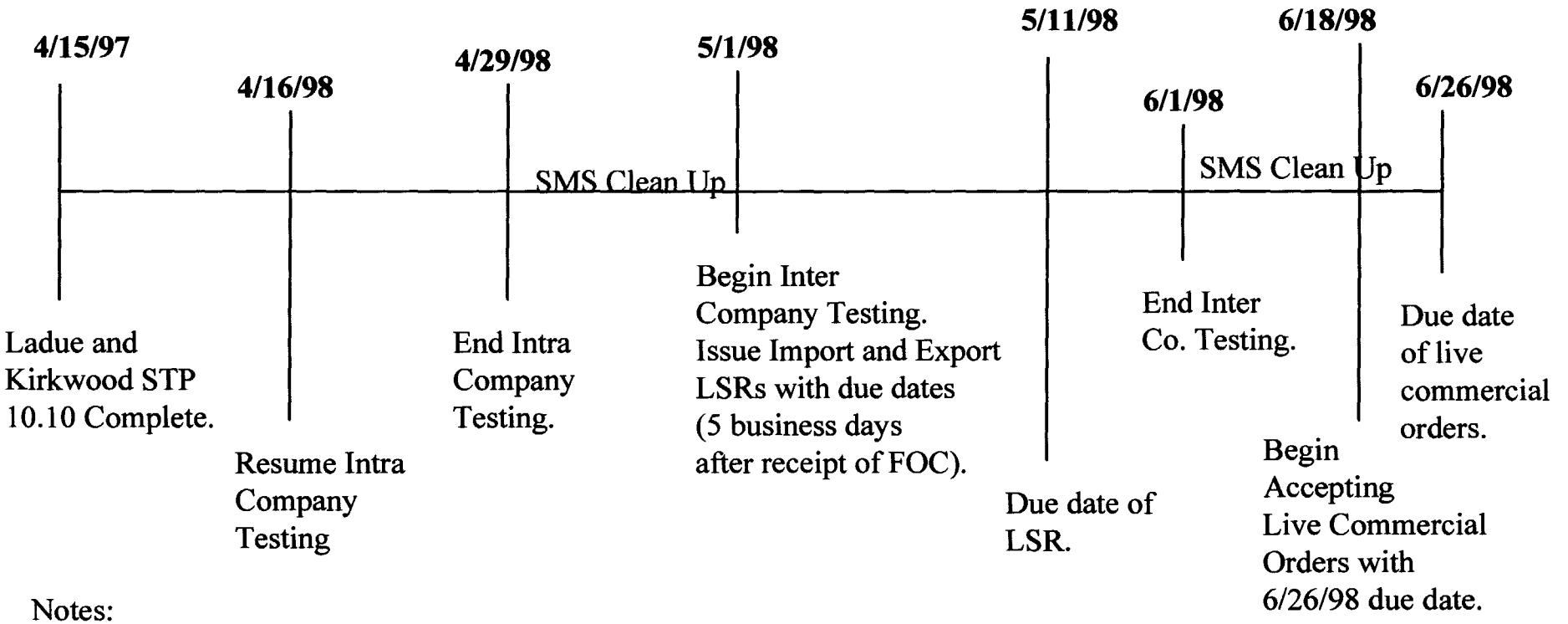
EXHIBIT D

SWBT Proposed Houston MSA LNP Test Timeline 2/13/98



Notes:
Intra Co. Testing requires full regression testing, plus MRS and LIDB testing.
Inter Co. Testing requires MRS and OS Testing, plus any regression testing which may be required by an ILEC or CLEC.

SWBT Proposed St. Louis MSA LNP Test Timeline 2/18/98



Notes:
Intra Co. Testing requires full regression testing, plus MRS and LIDB testing.
Inter Co. Testing per the Texas LNP Inter Company Implementation Team Test Plan as endorsed by the SW Region LNP Operations Team.