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# Service Across Tandem Boundaries

## Description

CLECs are required to restrain area code prefix assignment within rate areas as defined by the California Public Utility Commission.  Due to the existing network design of Enhanced 9-1-1, an area code and prefix must remain within the 9-1-1 Selective Router Tandem boundary as well.  If a telephone number is provisioned within a wire center boundary served by a different 9-1-1 Selective Router Tandem, special handling needs to occur on the TN record to assure 9-1-1 call routing.

Pacific Bell has augmented their Selective Routing translations to facilitate call routing when telephone numbers are terminating in Foreign Exchange Areas.  Specially assigned ESNs and address verbiage alert the PSAP Call Takers that the call may need to be transferred to a different county where the TN is actually terminating.

## Process

To assure that the correct ESN is assigned in these cases, it is necessary to change the address of the customer on the DBMS record following the attached charts.  The customer's actual address is moved to the location field of the DBMS record.  While a CLEC may not consider their application a "Foreign Exchange" (FXS) telephone number, the existing FXS process in the Pacific Bell Database is designed to provide 9-1-1 call routing and ALI display.  Additionally, the PSAPs in California are familiar with the FXS terminology since it has been used by the ILECs since the inception of E9-1-1.

## Best Practice

Of course the best practice is to restrain the area code and prefix assignments within the Selective Router Boundaries.  Unfortunately this is not always possible because of customer demand.

## Type of Service Codes

If the Type of Service codes 1, 2, 4, or 5 are assigned, the DBMS creates an error for each TN that is received through the service order process.  The error code is assigned when a foreign exchange type of service code is encountered.
- ♦ Error 721 is created for type of service codes
- 1 and 4 (FXS inside the 9-1-1 area)
- 2 and 5 (FXS outside the 9-1-1 area)

## Why Are Errors Created?

This happens deliberately so that the data originator can validate that the Selective Router can accept a distant ESN assignment.  If the Selective Router does not have translations for the ESN, the call is sent to the default ESN as assigned during the trunk provisioning process.

The DBMS does not have the ability to partition or create separate MSAGs based upon county or Selective Routing tandem boundaries.  This means that a telephone number originating in one county and being provisioned in a distant exchange and county would find an MSAG address match in the distant county, gain an ESN and attempt to post to the Selective Router.  The problem that this causes is the Selective Router in the TN's originating county may not have translations and a network connection to send the call to the correct PSAP based upon ESN assignment.

The only possible way for numbers terminating in a distant Selective Router territory to have ESNs assigned so that the Selective Router can accurately route calls to the PSAP is to have the data originator manually review each TN and follow the guidelines established for each county.

## Caution

The telephone numbers assigned outside of the Selective Router boundaries will not create an error if the Type of Service code is a 0 or 3 and will MSAG validate in the distant area.  Be aware, however, that 9-1-1 call routing will probably not be accurate, which could cause delays in emergency response.

## Special Consideration

Two factors are taken into consideration for each TN
- ♦ county of origination and terminating county
- ♦ selective router trunking and translations

## Three Scenarios

♦ An NPANXX originating and terminating in the same county (Same or different selective router)
  ▪ allow normal MSAG validation to take place
♦ An NPANXX originating and terminating in different counties, same selective router
  ▪ MSAG validation in the terminating county to take place
♦ An NPANXX originating and terminating in different counties, different selective router
  ▪ Data Originator performs special handling.  The CLEC is instructed to change the customer address to a fictitious street, community and ESN for which the  Selective Router has translations.  i.e. translated to the local Sheriff or over cross county trunks to a designated PSAP in the termination county.  The CLEC moves the actual address into the location field of the new record.  When the address is longer than 20 characters, abbreviate as necessary.  It is very important that the community name be included at the end of the 20 characters.  For service terminating outside California, show only the community and state in the location field.  Calls to 9-1-1 from service terminating outside California are directed to a recorded announcement advising the caller to use a local telephone number when calling 9-1-1.

## Charts

Use the charts on the following pages to determine the correct address and community information.  The charts are arranged in alphabetical / county code order.  Determine the originating county of the NPANXX and proceed to that chart.  The charts are designed around existing Selective Router configurations and the assigned ESNs utilize cross boundary trunks when available.

## Alameda County (001)

| IF THE TELEPHONE NUMBER HAS AN… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Alameda County (001) NXX (prefix) | Contra Costa County (007) | Allow to validate in **Contra Costa** County MSAG | |
| | Los Angeles County (019) | (range)   0<br>(st)        FXS Los Angeles County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | Marin County (021) | (range)   0<br>(st)        FXS Marin County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | Napa County (028) | (range)   0<br>(st)        FXS Napa County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | Sacramento County (034) | (range)   0<br>(st)        FXS Sacramento County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | San Francisco County (038) | (range)   0<br>(st)        FXS San Francisco County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | San Joaquin County (039) | (range)   0<br>(st)        FXS San Joaquin County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | San Mateo County (041) | (range)   0<br>(st)        FXS San Mateo County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | Santa Clara County (043) | (range)   0<br>(st)        FXS Santa Clara County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | Solano County (048) | (range)   0<br>(st)        FXS Solano County<br>(comm)  Alameda County<br>(loc)       address of service | 501 |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Alameda County | 501 |

| | | (loc) | address of service | |
|---|---|---|---|---|
| | Another state (other than California) | (range)<br>(st)<br>(comm)<br>(loc) | 0<br>FXS<br>FXS<br>Community & state<br>where service is located | 511 |

## Amador County (003)

| IF THE TELEPHONE NUMBER HAS AN… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Amador County (003) NXX (prefix) | El Dorado County (009) | (range)   0<br>(st)        FXS El Dorado County<br>(comm)  Amador County<br>(loc)       address of service | 504 |
|  | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Amador County<br>(loc)       address of service | 505 |

## Butte County (004)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Butte County (004) NXX (prefix) | Colusa County (006) | Allow to validate in **Colusa** County MSAG | |
| | Glenn County (011) | Allow to validate in **Glenn** County MSAG. | |
| | Plumas County (032) | Allow to validate in **Plumas** County MSAG. | |
| | Tehama County (052) | Allow to validate in **Tehama** County MSAG. | |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Butte County<br>(loc)        address of service | 497 |
| | Another state (other than California) | (range)   0<br>(st)       FXS<br>(comm)  FXS<br>(loc)        Community & state where service is located | 511 |

## Calaveras County (005)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Calaveras County (005) NXX (prefix) | Amador County (003) | (range)   0<br>(st)       Amador County<br>(comm)  Calaveras<br>(loc)      address of service | 505 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Calaveras<br>(loc)      address of service | 506 |

## Colusa County (006)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Colusa County (006) NXX (prefix) | Butte County (004) | Allow to validate in **Butte** County MSAG. | |
| | Glenn County (011) | Allow to validate in **Glenn** County MSAG. | |
| | Plumas County (032) | Allow to validate in **Plumas** County MSAG. | |
| | Tehama County (052) | Allow to validate in **Tehama** County MSAG. | |
| | All Other Counties | (range)   0<br>(st)      FXS<br>(comm)  Colusa County<br>(loc)        address of service | 501 |
| | Another state (other than California) | (range)   0<br>(st)        FXS<br>(comm)  FXS<br>(loc)       Community & state<br>            where service is located. | 511 |

## Contra Costa County (007)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Contra Costa County (007) NXX (prefix) | Alameda County (001) | Allow to validate in **Alameda** County MSAG. | |
| | Los Angeles County (019) | (range)   0<br>(st)        FXS Los Angeles County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Marin County (021) | (range)   0<br>(st)        FXS Marin County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Napa County (028) | (range)   0<br>(st)        FXS Napa County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Sacramento County (034) | (range)   0<br>(st)        FXS Sacramento County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | San Francisco County (038) | (range)   0<br>(st)        FXS San Francisco County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | San Mateo County (041) | (range)   0<br>(st)        FXS San Mateo County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Santa Clara County (043) | (range)   0<br>(st)        FXS Santa Clara County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Solano County (048) | (range)   0<br>(st)        FXS Solano County<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Contra Costa County<br>(loc)       address of service | 501 |
| | Another state (other than | (range)   0<br>(st)        FXS | |

| | California) | (comm)  FXS<br>(loc)      Community & State<br>              where service is located | 511 |
|---|---|---|---|

## El Dorado County (009)

| IF THE TELEPHONE NUMBER HAS AN... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| El Dorado County (009) NXX (prefix) | Placer County (031) | (range)    0<br>(st)        Placer County<br>(comm)  El Dorado County<br>(loc)        address of service | 496 |
|  | Sacramento County (034) | (range)    0<br>(st)        Sacramento County<br>(comm)  El Dorado<br>(loc)        address of service | 497 |
|  | All Other Counties | (range)    0<br>(st)        FXS<br>(comm)  El Dorado<br>(loc)        address of service | 498 |

## Fresno County (010)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Fresno (010) NXX (prefix) | Kern County (015) | Allow to validate in **Kern** County MSAG. | |
| | Kings County (016) | Allow to validate in **Kings** County MSAG. | |
| | Madera County (020) | Allow to validate in **Madera** County MSAG | |
| | Tulare County (054) | Allow to validate in **Tulare** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)       FXS<br>(comm)  Fresno County<br>(loc)       address of service | 497 |

## Glenn County (011)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Glenn County 011) NXX (prefix) | Butte County (004) | Allow to validate in **Butte** County MSAG. | |
| | Colusa County (006) | Allow to validate in **Colusa** County MSAG. | |
| | Plumas County (032) | Allow to validate in **Plumas** County MSAG | |
| | Tehama County (052) | Allow to validate in **Tehama** County MSAG. | |
| | All Other Counties | (range)   0 <br> (st)       FXS <br> (comm)  Glenn County <br> (loc)       address of service | 500 |
| | Another state (other than California) | (range)   0 <br> (st)       FXS <br> (comm)  FXS <br> (loc)       Community & state <br>              where service is located | 511 |

## Humboldt County (012)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Humboldt County (012) NXX (prefix) | Mendocino County (023) | (range)    0<br>(st)        FXS Mendocino County<br>(comm)  Humboldt County<br>(loc)        address of service | 498 |
| | Trinity County (053) | (range)    0<br>(st)         FXS Trinity County<br>(comm)  Humboldt County<br>(loc)        address of service | 499 |
| | All Other Counties | (range)    0<br>(st)         FXS<br>(comm)  Humboldt<br>(loc)        address of service | 496 |

## Imperial County (013)

| IF THE TELEPHONE NUMBER HAS AN... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Imperial County (013) NXX (prefix) | San Diego County (037) | (range)   0<br>(st)       San Diego County<br>(comm)  El C<br>(loc)        address of service | 498 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  El C<br>(loc)        address of service | 498 |
| | Another state (other than California) | (range)   0<br>(st)       FXS<br>(comm)  FXS<br>(loc)        Community & state<br>                   where service is located. | 511 |

## Inyo County (014)

| IF THE TELEPHONE NUMBER HAS AN… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Inyo County (014) NXX (prefix) | All Counties other than Inyo | (range)   0<br>(st)       FXS<br>(comm)  Inyo County<br>(loc)       address of service | 496 |

## Kern County (015)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Kern County (015) NXX (prefix) | Fresno County (010) | Allow to validate in **Fresno** County MSAG. | |
| | Kings County (016) | Allow to validate in **Kings** County MSAG. | |
| | Los Angeles County (019) | (range)   0<br>(st)        FXS Los Angeles County<br>(comm)  Kern County<br>(loc)      address of service | 501 |
| | Tulare County (054) | Allow to validate in **Tulare** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)        FXS<br>(comm)  Kern County<br>(loc)       address of service | 501 |

## Kings County (016)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Kings County (016) NXX (prefix) | Fresno County (010) | Allow to validate in **Fresno** County MSAG. | |
| | Kern County (015) | Allow to validate in **Kern** County MSAG. | |
| | Tulare County (054) | Allow to validate in **Tulare** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)       FXS<br>(comm)  Kings County<br>(loc)       address of service | 497 |

## Lake County (017)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Lake County (017) NXX (prefix) | All Counties other than Lake | (range)   0<br>(st)        FXS<br>(comm)  Lake<br>(loc)       address of service | 498 |

## Los Angeles County (019)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Los Angeles County (019) NXX (prefix) | Kern County (015) | (range)    0<br>(st)         Kern County<br>(comm)  LA<br>(loc)        address of service | 499 |
| | Orange County (030) | (range)    0<br>(st)         Orange County<br>(comm)  LA<br>(loc)        address of service | 501 |
| | San Bernardino County (036) | (range)    0<br>(st)         San Bernardino County<br>(comm)  LA<br>(loc)        address of service | 500 |
| | Ventura County (056) | Allow to validate in **Ventura** County MSAG. | |
| | All Other Counties | (range)    0<br>(st)         FXS<br>(comm)  LA<br>(loc)        address of service | 497 |

## Madera County (020)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Madera County (020) NXX (prefix) | Fresno County (010) | Allow to validate in **Fresno** County MSAG. | |
| | Mariposa County (022) | Allow to validate in **Mariposa** County MSAG | |
| | Merced County (024) | (range)   0<br>(st)      Merced County<br>(comm)  MDRA<br>(loc)     Address of service | 501 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  MDRA<br>(loc)      Address of service | 502 |

## Marin County (021)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Marin County (021) NXX (prefix) | Alameda County (001) | (range)   0<br>(st)        FXS Alameda County<br>(comm)  Marin County<br>(loc)        address of service | 501 |
| | Contra Costa County (007) | (range)   0<br>(st)        FXS Contra Costa County<br>(comm)  Marin County<br>(loc)        address of service | 501 |
| | San Francisco County (038) | (range)   0<br>(st)        FXS San Francisco County<br>(comm)  Marin County<br>(loc)        address of service | 501 |
| | San Mateo County (041) | (range)   0<br>(st)        FXS San Mateo County<br>(comm)  Marin County<br>(loc)        address if service | 501 |
| | Santa Clara County (043) | (range)   0<br>(st)        FXS Santa Clara County<br>(comm)  Marin County<br>(loc)        address of service | 501 |
| | Sonoma County (049) | (range)   0<br>(st)        FXS Sonoma County<br>(comm)  Marin County<br>(loc)        address of service | 501 |
| | All Other Counties in California | (range)   0<br>(st)        FXS<br>(comm)  Marin<br>(loc)        address of service | 501 |
| | Another state (other than California) | (range)   0<br>(st)        FXS<br>(comm)  FXS<br>(loc)        Community & state where service is located. | 511 |

## Mariposa County (022)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Mariposa County (022) NXX (prefix) | Madera County (020) | Allow to validate in **Madera** County MSAG | |
| | Stanislaus County (050) | (range)   0<br>(st)        Stanislaus County<br>(comm)  Mariposa County<br>(loc)        address of service | 503 |
| | Tuolumne County (055) | (range)   0<br>(st)        FXS Tuolumne County<br>(comm)  Mariposa County<br>(loc)        address of service | 503 |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Mariposa<br>(loc)        address of service | 503 |

## Mendocino County (023)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Mendocino County (023) NXX (prefix) | Humboldt County (012) | (range)   0<br>(st)      FXS Humboldt County<br>(comm)  Mendocino County<br>(loc)      address of service | 498 |
| | Lake County (017) | (range)   0<br>(st)      Lake County<br>(comm)  Mendocino<br>(loc)      address of service | 496 |
| | All Other Counties | (range)   0<br>(st)      FXS<br>(comm)  Mendocino<br>(loc)      address of service | 497 |

## Merced County (024)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Merced County (024) NXX (prefix) | Fresno County (010) | (range)    0<br>(st)       Fresno County<br>(comm)  Merced<br>(loc)       address of service | 496 |
| | Madera County (020) | (range)    0<br>(st)       Madera County<br>(comm)  Merced<br>(loc)       address of service | 497 |
| | Stanislaus County (050) | Allow to validate in **Stanislaus** County MSAG. | |
| | All Other Counties | (range)    0<br>(st)       FXS<br>(comm)  Merced<br>(loc)       address of service | 498 |
| | Another state (other than California) | (range)    0<br>(st)       FXS<br>(comm)  FXS<br>(loc)       Community & state<br>                where service is located. | 511 |

## Monterey County (027)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Monterey County (027) NXX (prefix) | San Benito County (035) | Allow to validate in **San Benito** County MSAG. | |
| | San Luis Obispo County (040) | (range)   0<br>(st)        San Luis Obispo County<br>(comm)  MTRY<br>(loc)        address of service | 497 |
| | Santa Clara County (043) | (range)   0<br>(st)        Santa Clara County<br>(comm)  MTRY<br>(loc)        address of service | 498 |
| | Santa Cruz County (044) | (range)   0<br>(st)        Santa Cruz County<br>(comm)  MTRY<br>(loc)        address of service | 496 |
| | All Other Counties in California | (range)   0<br>(st)        FXS<br>(comm)  MTRY<br>(loc)        address of service | 500 |
| | Another state (other than California) | (range)   0<br>(st)        FXS<br>(comm)  FXS<br>(loc)        Community & state<br>              where service is located. | 511 |

## Napa County (028)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Napa County (028) NXX (prefix) | Solano County (048) | Allow to validate in **Solano** County MSAG. | |
| | Sonoma County (049) | (range)   0<br>(st)       Sonoma County<br>(comm)  Napa<br>(loc)       address of service | 496 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Napa County<br>(loc)       address of service | 497 |

## Nevada County (029)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Nevada County (029) NXX (prefix) | Placer County (031) | Allow to validate in **Placer** County MSAG. | |
| | Sierra County (046) | Allow to validate in **Sierra** County MSAG. | |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Nevada<br>(loc)       address of service | 505 |

## Orange County (030)

| IF THE TELEPHONE NUMBER HAS AN... | AND THE SERVICE TERMINATES IN... | CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Orange County (030) NXX (prefix) | Los Angeles County (019) | (range)    0<br>(st)         Los Angeles County<br>(comm)  ORG<br>(loc)        address of service | 501 |
| | Riverside County (033) | Allow to validate in **Riverside** County MSAG. | |
| | San Bernardino County (036) | Allow to validate in **San Bernardino** County MSAG. | |
| | San Diego County (037) | Allow to validate in **San Diego** County MSAG. | |
| | All Other Counties in California | (range)    0<br>(st)         FXS<br>(comm)  ORG<br>(loc)        address of service | 498 |
| | Another state (other than California) | (range)    0<br>(st)         FXS<br>(comm)  FXS<br>(loc)        Community & state<br>            where service is located. | 511 |

## Placer County (031)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Placer County (031) NXX (prefix) | El Dorado County (009) | (range)   0<br>(st)       El Dorado County<br>(comm)  Placer<br>(loc)       address of service | 496 |
| | Nevada County (029) | Allow to validate in **Nevada** County MSAG. | |
| | Sacramento County (034) | (range)   0<br>(st)       Sacramento County<br>(comm)  Placer<br>(loc)       address of service | 508 |
| | Sutter County (051) | (range)   0<br>(st)       Sutter County<br>(comm)  Placer<br>(loc)       address of service | 497 |
| | Yuba County (058) | (range)   0<br>(st)       Yuba County<br>(comm)  Placer<br>(loc)       address of service | 499 |
| | All Other Counties in California | (range)   0<br>(st)       FXS<br>(comm)  Placer County<br>(loc)       address of service | 500 |

## Plumas County (032)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Plumas County (032) NXX (prefix) | Butte County (004) | Allow to validate in **Butte** County MSAG. | |
| | Colusa County (006) | Allow to validate in **Colusa** County MSAG. | |
| | Glenn County (011) | Allow to validate in **Glenn** County MSAG | |
| | Tehama County (052) | Allow to validate in **Tehama** County MSAG | |
| | All Other Counties in California | (range)   0<br>(st)      FXS<br>(comm)  Plumas County<br>(loc)       address of service | 499 |
| | Another state (other than California) | (range)   0<br>(st)      FXS<br>(comm)  FXS<br>(loc)       Community & state where service is located | 511 |

## Riverside County 033)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Riverside County (033) NXX (prefix) | Los Angeles County (019) | (range)   0<br>(st)        Los Angeles County<br>(comm)  RIV<br>(loc)        address of service | 500 |
| | Orange County (030) | Allow to validate in **Orange** County MSAG. | |
| | San Bernardino County (036) | Allow to validate in **San Bernardino** County MSAG. | |
| | San Diego County (037) | Allow to validate in **San Diego** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)        FXS<br>(comm)  RIV<br>(loc)        address of service | 499 |

## Sacramento County (034)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Sacramento County (034) NXX (prefix) | Amador County (003) | (range)    0<br>(st)       Amador County<br>(comm)  Sac<br>(loc)        address of service | 502 |
| | Contra Costa County (007) | (range)    0<br>(st)        Contra Costa County<br>(comm)  Sac<br>(loc)        address of service | 504 |
| | El Dorado County (009) | (range)    0<br>(st)        El Dorado County<br>(comm)  Sac<br>(loc)        address of service | 498 |
| | Placer County (031) | (range)    0<br>(st)        Placer County<br>(comm)  Sac<br>(loc)        address of service | 497 |
| | San Joaquin County (039) | Allow to validate in **San Joaquin** County MSAG. | |
| | Solano County (048) | (range)    0<br>(st)        Solano County<br>(comm)  Sac<br>(loc)        address of service | 503 |
| | Sutter County (051) | (range)    0<br>(st)        Sutter County<br>(comm)  Sac<br>(loc)        address of service | 500 |
| | Yolo County (057) | Allow to validate in **Yolo** County MSAG. | |
| | All Other Counties in California | (range)    0<br>(st)        FXS<br>(comm)  Sac<br>(loc)        address of service | 501 |
| | Another state (other than California) | (range)    0<br>(st)        FXS<br>(comm)  FXS<br>(loc)        Community & state<br>            where service is located. | 511 |

## San Benito County (035)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| San Benito County (035) NXX (prefix) | Monterey County (027) | Allow to validate in **Monterey** County MSAG. | |
| | Santa Clara County (043) | (range)   0<br>(st)      Santa Clara County<br>(comm)  San Benito<br>(loc)      address of service | 501 |
| | Santa Cruz County (044) | (range)   0<br>(st)      Santa Cruz County<br>(comm)  San Benito<br>(loc)      address of service | 502 |
| | All Other Counties in California | (range)   0<br>(st)      FXS<br>(comm)  San Benito<br>(loc)      address of service | 503 |
| | Another state (other than California) | (range)   0<br>(st)      FXS<br>(comm)  FXS<br>(loc)      Community & state where service is located. | 511 |

## San Bernardino County (036)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| San Bernardino County (036) NXX (prefix) | Los Angeles County (019) | (range)   0<br>(st)       Los Angeles County<br>(comm)  S BDO<br>(loc)       address of service | 500 |
| | Orange County (030) | Allow to validate in **Orange** County MSAG. | |
| | Riverside County (033) | Allow to validate in **Riverside** County MSAG. | |
| | San Diego County (037) | Allow to validate in **San Diego** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)       FXS<br>(comm)  S BDO<br>(loc)       address of service | 501 |

## San Diego County (037)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| San Diego County (037) NXX (prefix) | Orange County (030) | Allow to validate in **Orange** County MSAG. | |
| | Riverside County (033) | Allow to validate in **Riverside** County MSAG. | |
| | San Bernardino County (036) | Allow to validate in **San Bernardino** County MSAG. | |
| | All Other Counties in California | (range)   0<br>(st)      FXS<br>(comm)  SD<br>(loc)      address of service | 497 |

## San Francisco County (038)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| San Francisco County (038) NXX (prefix) | San Mateo County (041) | Allow to validate in **San Mateo** County MSAG. | |
| | Santa Clara County (043) | Allow to validate in **Santa Clara** County MSAG. | |
| | All Other Counties in California | (range)    0<br>(st)        FXS<br>(comm)  SF<br>(loc)        address of service | 501 |
| | Another state (other than California) | (range)    0<br>(st)        FXS<br>(comm)  FXS<br>(loc)        Community & state<br>            where service is located. | 511 |

## San Joaquin County (039)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| San Joaquin County (039) NXX (prefix) | Alameda County (001) | (range)    0<br>(st)        Alameda County<br>(comm)  San Joaquin<br>(loc)        address of service | 499 |
| | Calaveras County (005) | (range)    0<br>(st)        Calaveras County<br>(comm)  San Joaquin<br>(loc)        address of service | 498 |
| | Contra Costa County (007) | (range)    0<br>(st)        Contra Costa County<br>(comm)  San Joaquin<br>(loc)        address of service | 503 |
| | Sacramento County (034) | Allow to validate in **Sacramento** County MSAG. | |
| | Stanislaus County (050) | (range)    0<br>(st)        Stanislaus County<br>(comm)  San Joaquin<br>(loc)        address of service | 500 |
| | Yolo County (057) | Allow to validate in **Yolo** County MSAG. | |
| | All Other Counties | (range)    0<br>(st)        FXS<br>(comm)  San Joaquin<br>(loc)        address of service | 501 |

## San Luis Obispo County (040)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| San Luis Obispo County (040) NXX (prefix) | Monterey County (027) | (range)    0<br>(st)         Monterey County<br>(comm)  SLO<br>(loc)        address of service | 495 |
| | Santa Barbara (042) | (range)    0<br>(st)         Santa Barbara County<br>(comm)  SLO<br>(loc)        address of service | 496 |
| | All Other Counties in California | (range)    0<br>(st)         FXS<br>(comm)  SLO<br>(loc)        address of service | 497 |
| | Another state (other than California) | (range)    0<br>(st)         FXS<br>(comm)  FXS<br>(loc)        Community & state where service is located. | 511 |

## San Mateo County (041)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| San Mateo County (041) NXX (prefix) | Alameda County (001) | (range)   0<br>(st)       FXS Alameda County<br>(comm)  San Mateo County<br>(loc)       address of service | 501 |
| | Contra Costa County (007) | (range)   0<br>(st)       FXS Contra Costa County<br>(comm)  San Mateo County<br>(loc)       address of service | 501 |
| | San Francisco County (038) | Allow to validate in **San Francisco** County MSAG. | |
| | Santa Clara County (043) | Allow to validate in **Santa Clara** County MSAG. | |
| | Santa Cruz County (044) | (range)   0<br>(st)       Santa Cruz County<br>(comm)  S MTO<br>(loc)       address of service | 500 |
| | All Other Counties in California | (range)   0<br>(st)       FXS<br>(comm)  San Mateo County<br>(loc)       address of service | 501 |
| | Another state (other than California) | (range)   0<br>(st)       FXS<br>(comm)  FXS<br>(loc)       Community & state<br>            where service is located. | 511 |

## Santa Clara County (043)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Santa Clara County (043) NXX (prefix) | Alameda County (001) | (range)   0<br>(st)        Alameda County<br>(comm)  S Clara<br>(loc)        address of service | 499 |
| | San Francisco County (038) | Allow to validate in **San Francisco** County MSAG. | |
| | San Mateo County (041) | Allow to validate in **San Mateo** County MSAG. | |
| | Santa Cruz County (044) | (range)   0<br>(st)        Santa Cruz County<br>(comm)  S Clara<br>(loc)        address of service | 500 |
| | All Other Counties in California | (range)   0<br>(st)        FXS<br>(comm)  S Clara<br>(loc)        address of service | 501 |
| | Another state (other than California) | (range)   0<br>(st)        FXS<br>(comm)  FXS<br>(loc)        Community & state<br>            where service is located. | 511 |

## Santa Cruz County (044)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Santa Cruz County (044) NXX (prefix) | Monterey County (037) | Allow to validate in **Monterey** County MSAG. | |
| | San Benito County (035) | Allow to validate in **San Benito** County MSAG. | |
| | Santa Clara County (043) | (range)   0<br>(st)       Santa Clara County<br>(comm)  S Crz<br>(loc)       address of service | 499 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  S Crz<br>(loc)       address of service | 506 |

## Shasta County (045)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Shasta County (045) NXX (prefix) | Siskiyou County (047) | Allow to validate in **Siskiyou** County MSAG. | |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Shasta County<br>(loc)        address of service | 497 |

## Sierra County (046)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Sierra County (046) NXX (prefix) | Nevada County (029) | (range)    0<br>(st)        FXS Nevada County<br>(comm)  Sierra County<br>(loc)       Address of service | 504 |
| | Plumas County (032) | (range)    0<br>(st)        FXS Plumas County<br>(comm)  Sierra County<br>(loc)       Address of Service | 503 |
| | All Other Counties | (range)    0<br>(st)        FXS<br>(comm)  Sierra<br>(loc)       address of service | 504 |

## Siskiyou County (047)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Siskiyou County (047) NXX (prefix) | Shasta County (045) | Allow to validate in **Shasta** County MSAG. | |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Siskiyou<br>(loc)       address of service | 501 |

## Solano County (048)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Solano County (048) NXX (prefix) | Napa County (028) | Allow to validate in **Napa** County MSAG. | |
| | Sonoma County (049) | (range)   0<br>(st)        Sonoma County<br>(comm)  Solano County<br>(loc)        address of service | 496 |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Solano County<br>(loc)        address of service | 498 |

## Sonoma County (049)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Sonoma County (049) NXX (prefix) | Alameda County (001) | (range)　0<br>(st)　　FXS Alameda County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | Contra Costa County (007) | (range)　0<br>(st)　　FXS Contra Costa County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | Humboldt County (012) | (range)　0<br>(st)　　FXS Humboldt County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | Lake County (017) | (range)　0<br>(st)　　FXS Lake County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | Marin County (021) | Allow to validate in **Marin** County MSAG | |
| | Mendocino County (023) | (range)　0<br>(st)　　FXS Mendocino County<br>(comm)　Sonoma County<br>(loc)　　address of service | 502 |
| | Napa County (028) | (range)　0<br>(st)　　FXS Napa County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | San Francisco County (038) | (range)　0<br>(st)　　FXS San Francisco County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | San Mateo County (041) | (range)　0<br>(st)　　FXS San Mateo County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | Solano County (048) | (range)　0<br>(st)　　FXS Solano County<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |
| | All Other Counties in California | (range)　0<br>(st)　　FXS<br>(comm)　Sonoma County<br>(loc)　　address of service | 501 |

## Stanislaus County (050)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Stanislaus County (050) NXX (prefix) | Calaveras County (005) | (range)   0<br>(st)      Calaveras County<br>(comm)  Stanislaus<br>(loc)      address of service | 499 |
| | Mariposa County (022) | (range)   0<br>(st)      Mariposa County<br>(comm)  Stanislaus<br>(loc)      address of service | 501 |
| | Merced County (024) | Allow to validate in **Merced** County MSAG. | |
| | San Joaquin County (039) | (range)   0<br>(st)      San Joaquin County<br>(comm)  Stanislaus<br>(loc)      address of service | 504 |
| | Tuolumne County (055) | (range)   0<br>(st)      Tuolumne County<br>(comm)  Stanislaus<br>(loc)      address of service | 500 |
| | All Other Counties | (range)   0<br>(st)      FXS<br>(comm)  Stanislaus<br>(loc)      address of service | 503 |
| | Another state (other than California) | (range)   0<br>(st)      FXS<br>(comm)  FXS<br>(loc)      Community & state where service is located. | 511 |

## Sutter County (051)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Sutter County (051) NXX (prefix) | Butte County (004) | (range)    0<br>(st)         FXS Butte County<br>(comm)  Sutter County<br>(loc)        address of service | 496 |
| | Yuba County (058) | Allow to validate in **Yuba** County MSAG | |
| | All Other Counties | (range)    0<br>(st)         FXS<br>(comm)  Sutter County<br>(loc)        address of service | 498 |

## Tehama County (052)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Tehama County (052) NXX (prefix) | Butte County (004) | Allow to validate in **Butte** County MSAG. | |
| | Colusa County (006) | Allow to validate in **Colusa** County MSAG. | |
| | Glenn County (011) | Allow to validate in **Glenn** County MSAG. | |
| | Plumas County (032) | Allow to validate in **Plumas** County MSAG. | |
| | All Other Counties | (range)　0<br>(st)　　FXS<br>(comm)　Tehama County<br>(loc)　　address of service | 498 |
| | Another state (other than California) | (range)　0<br>(st)　　FXS<br>(comm)　FXS<br>(loc)　　Community & state where service is located. | 511 |

## Trinity County (053)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Trinity County (053) NXX (prefix) | All Counties other than Trinity | (range)   0<br>(st)        FXS<br>(comm)  Trinity<br>(loc)       address of service | 496 |

## Tulare County (054)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Tulare County (054) NXX (prefix) | Fresno County (010) | Allow to validate in **Fresno** County MSAG. | |
| | Kern County (015) | Allow to validate in **Kern** County MSAG. | |
| | Kings County (016) | Allow to validate in **Kings** County MSAG. | |
| | All Other Counties in California | (range)    0<br>(st)        FXS<br>(comm)  Tulare County<br>(loc)        address of service | 500 |

## Tuolumne County (055)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Tuolumne County (055) NXX (prefix) | All Counties other than Tuolumne | (range)   0<br>(st)        FXS<br>(comm)  Tuolumne<br>(loc)       address of service | 504 |

## Ventura County (056)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Ventura County (056) NXX (prefix) | Los Angeles County (019) | Allow to validate in **Los Angeles** County MSAG. | |
| | Orange County (030) | (range)   0<br>(st)        Orange County<br>(comm)  Ventura<br>(loc)        address of service | 501 |
| | Santa Barbara County (042) | (range)   0<br>(st)        Santa Barbara County<br>(comm)  Ventura<br>(loc)        address of service | 498 |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Ventura County<br>(loc)        address of service | 501 |

## Yolo County (057)

| IF THE TELEPHONE NUMBER HAS A... | AND THE SERVICE TERMINATES IN... | THEN CHANGE THE STREET AND COMMUNITY TO... | ESN |
|---|---|---|---|
| Yolo County (057) NXX (prefix) | Sacramento County (034) | Allow to validate in **Sacramento** County MSAG. | |
| | San Joaquin County (039) | Allow to validate in **San Joaquin** County MSAG. | |
| | Solano County (048) | (range)   0<br>(st)       FXS Solano County<br>(comm)  Yolo County<br>(loc)      address of service | 251 |
| | All Other Counties | (range)   0<br>(st)       FXS<br>(comm)  Yolo County<br>(loc)      address of service | 251 |

## Yuba County (058)

| IF THE TELEPHONE NUMBER HAS A… | AND THE SERVICE TERMINATES IN… | THEN CHANGE THE STREET AND COMMUNITY TO… | ESN |
|---|---|---|---|
| Yuba County (058) NXX (prefix) | Butte County (004) | (range)   0<br>(st)        FXS Butte County<br>(comm)  Yuba County<br>(loc)        address of service | 496 |
| | Nevada County (029) | (range)   0<br>(st)        FXS Nevada County<br>(comm)  Yuba County<br>(loc)        address of service | 497 |
| | Sierra County (046) | (range)   0<br>(st)        FXS Sierra County<br>(comm)  Yuba County<br>(loc)        address of service | 082 |
| | Sutter County (051) | Allow to validate in **Sutter** County MSAG | |
| | All Other Counties | (range)   0<br>(st)        FXS<br>(comm)  Yuba County<br>(loc)        address of service | 499 |