

ATTACHMENT IV

ONA CROSS REFERENCE GUIDE

BELL OPERATING COMPANIES

ONA Special Report #5 Update

Appendix A & Appendix B

MARCH 31, 2004

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1. Appendix A: Relationship Between ESP Requests for Network Capabilities and ONA Services

The FCC, in its December 22, 1989 Memorandum, Opinion and Order, recognized the 118 requests for network capabilities included in BOC Special Report Number 1 as the nationally received requests. Not all of these requests are for particular services. For example, some are for attributes that a service should contain; some are for a service to operate in a particular manner. As a result, some ONA services offered meet a number of network capability requests, while some requests are met by a number of ONA services. There is not a one-for-one relationship between network capability requests and ONA services. In addition, some ONA services may be offered by some regional companies as both a BSE and a CNS, depending on the line that the service is applied to.

The following appendix shows the relationship between each of the requested network capabilities, other requested network capabilities and ONA services. The ONA services listed use the Uniform Names developed by the regional companies and contributed to the IILC Issue 006 ONA Services User Guide Task Group.

Following this Appendix A is a summary table (Appendix B) arranged to be similar to Appendix E of the FCC's December 22, 1988 Memorandum Opinion and Order.

Please note – recently, various BOCs have completed, or are in the process of completing, corporate mergers. For Appendix A and Appendix B of BOC ONA Special Report #5, the old company names will continue to be used (for example, Bell Atlantic and NYNEX are listed separately, rather than being combined under the Verizon name; Southwestern Bell and Pacific Bell and Ameritech are listed separately).

1. Call Forwarding Busy Line/Don't Answer

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Busy Line Intraswitch
- Call Forwarding - Busy Line Interswitch
- Call Forwarding - Don't Answer Intraswitch
- Call Forwarding - Don't Answer Interswitch

2. Activation Of Call Forwarding Variable Without Call Completion

This is a request for an attribute of service. It is being met by some regional companies by offering the following ONA service:

- Call Forwarding - Variable - Activation Without Courtesy Call

3. Call Forward Don't Answer Interoffice

This request relates to request number 1. It is being met by offering the following ONA service:

- Call Forwarding - Don't Answer Interswitch

4. Multiple Calls Forwarded To DID Interoffice

This is a request for a particular application of a service. It is being met by some regional companies by offering the following service:

- Call Forwarding - Multiple Simultaneous Calls Interswitch

5. Call Forwarding With Status Information To Answering Bureau

This request is for a particular application of a service. It is being met by some regional companies by offering the following service:

- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

6. Activation of Call Forwarding Variable With Call Completion

This request is for a service. It is being met by offering the following service:

- Call Forwarding - Variable

7. Call Forwarding With Call Screening.

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Selective Call Forwarding

8. Call Forwarding With Call Waiting

This is a request for two services to interact in a particular manner. It is met by some regional companies by offering the following ONA service:

- Call Forwarding Don't Answer After Call Waiting (CFDA After CW)

9. Call Forwarding With Called and Calling Number

This is a request for a particular application of a service. It is related to request number 5. It is being met by some regional companies by offering the following ONA services:

- Calling Directory Number Delivery - via BCLID
- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

10. Call Forward Don't Answer With Variable Ring Counts

This is a request for a service to operate in a particular manner. It is related to request number 1. It is being met by offering the following ONA services:

- Call Forwarding - Don't Answer Interswitch
- Call Forwarding - Don't Answer Intraswitch
- Customer Changeable Number of Rings

11. Customer Control of CFBL/CFDA

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Busy Line or Don't Answer - Customer Control of Activation/Deactivation
- Call Forwarding - Busy Line or Don't Answer - Customer Control of Forward-To Number

12. Monitor & Barge In

This is a request for a service that requires development.

13. SMDI

This is a request for a particular interface. It is related to requests number 5 and 9. It is being met by some regional companies by offering the following ONA service:

- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

14. SMDI With Automatic Ringback

This is a request for a service to operate in a particular manner. Based on the findings in IILC Issue #030 (Message Waiting Indication: Ringback After Busy Transfer), it is being met by some regional companies by offering the following combination of services:

- Distinctive Ringing - Terminating Screening (client needs to have a second telephone number)
- Call Forwarding - Variable (or Call Forwarding Busy Line/Don't Answer)

15. 3-Way Call Transfer

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Three Way Call Transfer

16. Speed Calling

This is a request for a service. It is being met by offering the following ONA service:

- Speed Calling

17. Remote Activation of Custom Calling Services

This is a general request for a number of services to operate in a particular manner. A specific application of this operation relates to request number 11. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Variable - Remote Activation/Control

18. ESP Notification Of ESP's Client Or BOC Control Action

This is a request for a service to operate in a particular manner. This operation requires development.

19. Call Distribution Functions Including Queue

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Multiline Hunt Group
- Multiline Hunt Group - C. O. Announcements
- Multiline Hunt Group - Uniform Call Distribution Line Hunting
- Multiline Hunt Group - UCD With Queuing
- DID Trunk Queuing

20. Derived Local Channels

This is a request for service to be delivered using a particular technology. It is being met by some regional companies by offering the following ONA services:

- Data Over Voice (DOV) Service
- Verify Integrity of Subscriber Lines
- Derived Channels (Monitoring)
- Category 3, Type J - Dedicated Derived Channel BSA

21. Screening

This is a general request for a network capability. Specific applications of this capability relate to request number 7. It is being met by some regional companies by offering the following ONA services:

- Selective Call Forwarding
- Selective Call Rejection

22. Calling Directory Number Delivery

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Calling Directory Number Delivery - via BCLID
- Calling Directory Number Delivery - via ICLID
- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

23. Delivery of Dialed Number

This is a request for a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Called Directory Number Delivery via DID
- Called Directory Number Delivery via 900NXX

24. Uniform Abbreviated Dialing

This is a request for a service. It is being met or partially met by some regional companies by offering the following service:

- Shared Speed Calling

25. Multiline Hunt Groups

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Multiline Hunt Group
- Multiline Hunt Group - Individual Access To Each Port In Hunt Group
- Multiline Hunt Group - Uniform Call Distribution Line Hunting
- Multiline Hunt Group - UCD With Queuing

26. Unlimited Size Hunt Groups

This is a request for an attribute of a service. It is related to request number 25. It is being met by some regional companies by offering the following ONA services:

- Multiline Hunt Group
- Multiline Hunt Group - Overflow
- Multiline Hunt Group - Uniform Call Distribution Line Hunting
- Multiline Hunt Group - UCD With Queuing

27. Individual Access To Each Port In A Hunt Group

This is a request for service. It is related to request numbers 25 and 26. It is being met by offering the following ONA service:

- Multiline Hunt Group - Individual Access To Each Port In Hunt Group

28. CLASS Features Interoffice

This is a general request for a group of services to operate in a particular manner. It is being met by some regional companies by offering the following ONA services:

- Automatic Callback
- Automatic Recall
- Customer Originated Trace
- Distinctive Ringing
- Selective Call Forwarding
- Selective Call Rejection
- Calling Directory Number Delivery - via ICLID
- Calling Directory Number Delivery - via BCLID

29. Suppressed Ringing

This is a request for a service. This service requires development.

30. Trunk Side Access

This is a request for a service. It is being met by offering the following ONA service:

- Category 1, Type B - Circuit Switched Trunk BSA

It is also being met by some regional companies by offering the following service:

- Trunk Side Access BSA

31. Trunk Side Connection With Power Ringing

This is a request for a service. This service requires development.

32. Access to Extended Superframe Data Channel

This is a request for a particular application of a service. It is being met by some regional companies by offering the following ONA services:

- Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA
- Extended Superframe Conditioning

33. Trunk Group Make Busy

This is a request for a service. It is being met by offering the following ONA service:

- Make Busy Key

34. Message Waiting Indication

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Message Waiting Indicator - Activation (Audible)
- Message Waiting Indicator - Activation (Audible) - Expanded
- Message Waiting Indicator - Activation (Visual)
- Message Waiting Indicator - Activation (Visual) - Expanded
- Message Waiting Indicator - Packet Access
- Message Waiting Indicator (MWI) - Ability To Receive Audible Message Waiting
- Message Waiting Indicator (MWI) - Ability To Receive Visual Message Waiting

35. Answer Supervision (Connect/Disconnect Indications) - Line Side

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Answer Supervision With A Line Side Interface
- Cut Off On Disconnect

36. Night Transfer

This is a request for a particular application of a service. It is related to request number 33. It is being met by offering the following ONA service:

- Make Busy Key

37. Faster Signaling On DID

This is a request for a particular type of signaling on a service. It is related to request number 23. It is being met by some regional companies by offering the following ONA services:

- Called Directory Number Delivery via DID
- Category 1, Type B - Circuit Switched Trunk BSA
- Faster Signaling On DID

38. Post Dialing DTMF Signaling From Paystations

This is a request for a service to operate in a particular manner. Existing coin lines operate in the manner requested. It is being met by some regional companies by offering the following service:

- Coin Phone With Post Dialing Tone Capability

39. Selected Number Reverse Billing Rate Period Specific

This is a request for a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Reverse Billing On Circuit Switched Access
- Reverse Charge Acceptance - Packet
- Uniform 7 Digit Access Number - Remote Call Forwarding
- Coin Phone With Post Dialing Tone Capability

40. Single Number Access For Multiple Locations

This is a request for a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Uniform 7 Digit Access Number - Remote Call Forwarding
- Uniform 7 Digit Access Number via Overlay Networking
- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA
- Single Number Access for Multiple Locations

41. Ability To Notify Or Interrupt A Customer

This request is for a particular application of services. It is related to request number 34. It is being met by some regional companies by offering the following ONA services:

- Message Waiting Indicator - Activation (Audible)
- Message Waiting Indicator - Activation (Audible) - Expanded
- Message Waiting Indicator - Activation (Visual)
- Message Waiting Indicator - Activation (Visual) - Expanded
- Message Waiting Indicator - Packet Access
- Message Waiting Indicator (MWI) - Ability To Receive Audible Message Waiting
- Message Waiting Indicator (MWI) - Ability To Receive Visual Message Waiting
- Distinctive Ringing

42. Ability To Return Held Call To Customer

This is a request for a service that requires development.

43. Interconnection For Specialized Terminal Equipment

This is a general request that cannot be met by a particular service. It is being met by some regional companies by the various basic serving arrangements (BSAs). If there are particular applications that are not compatible with the BSAs, they must be specifically identified.

44. Provision For Sharing An ESP Client Among ESPs

This is a request for a particular application of a service. The requested service requires development.

45. Custom Service Areas

This is a request for a particular application of a service. It is related to request number 30. It is being met or partially met by some regional companies by offering an alternative of the following ONA service:

- Category 1, Type A - Circuit Switched Line BSA.
- Category 1, Type B - Circuit Switched Trunk BSA.

It is also being met or partially met by some regional companies by offering the following ONA service:

- Tandem Routing

46. Statistical Multiplexer at Central Office

This is a request for a particular equipment configuration to support a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Category 2, Type A - X.25 Packet Switched BSA
- Category 2, Type B - X.75 Packet Switched BSA
- Statistical Multiplexer

47. X.25 Interface To Packet Switch

This is a request for a service. It is being met by offering the following ONA service:

- Category 2, Type A - X.25 Packet Switched BSA

48. X.75 Interface To Packet Switch

This is a request for a service. It is being met by offering the following ONA service:

- Category 2, Type B - X.75 Packet Switched BSA

49. Access To Data Services

This is a request for a particular application of a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Hot Line
- Warm Line
- Preselection for Data Services

50. B-Channel Switched and Dedicated Access

This is a request for a service that requires development.

51. D-Channel Data Delivered on B-Channel

This is a request for a service that requires development.

52. Multiple D-Channels on B-Channel

This is a request for a service that requires development.

53. ESP Access to D-Channel Signaling

This is a request for a service that requires development.

54. Feature Node Service Interface (FN/SI)

This is a request for a particular interface that requires development.

55. Service Control Point (SCP) Databases

This is a request for a service that requires development.

56. Term Sets and Inband Signaling on Analog Channels

This is a request for a particular interface. It is being met or partially met by some regional companies by offering the following ONA service:

- Category 3, Type C - Dedicated Voice Grade BSA

57. Access to Future Intelligent Functions of ISDN

This is a general request for access to services that may be developed in the future.

58. Compatibility to Existing Terminals

This is a general request that cannot be met by a particular service. It is being met by some regional companies by the various basic serving arrangements (BSAs). If there are particular applications that are not compatible with the BSAs, they must be specifically identified.

59. Mapping ANI to User ID (X.75)

This is a request for a service that requires development.

60. Calls Accepted With BOC's DNIC or ESP's DNIC

This is a request for an attribute of a service. It is being met or partially met by some regional companies by offering the following ONA service:

- Category 2, Type A - X.25 Packet Switched BSA
- Category 2, Type B - X.75 Packet Switched BSA

61. Equal Access to Exchange Network Switching and Transmission

This is a general request that cannot be met with a particular service. It is being met by various BSAs.

If there are particular applications that are not being met by the services offered by the BSAs, they must be specifically identified.

62. Peak Traffic Handling Within Exchange Network

This is a request for a network management capability that requires development.

63. ESP Defined Dynamic Routing

This is a request for a particular application of a service. It is related to requests number 25 and 33. It is being met or partially met by some regional companies by offering the following ONA services:

- Alternate Routing
- Multiline Hunt Group
- Make Busy Key
- Network Reconfiguration

64. Common Channel Signaling Access

This is a request for a particular type of signaling interface associated with various services. It is being met or partially met by some regional companies by offering the following ONA service:

- Category 1, Type B - Circuit Switched Trunk BSA
- Category 4 - Dedicated Network Access Link BSA

65. Dynamic Allocation of Transmission Capacity

This is a request for a service. It is being met or partially met by some regional companies by offering the following ONA service:

- Network Reconfiguration

66. Provision of BOC network status information.

This is a request for a service that requires development.

67. Real Time Access To Exchange Network Testing Facilities

This is a request for a network management capability. It is being met or partially met by some regional companies by offering the following ONA service:

- Access To Operations Support Systems Information

68. Derived Channels That Comply With UL and NFPA

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Verify Integrity of Subscriber Lines
- Derived Channels (Monitoring)
- Category 3, Type I - Dedicated Alert Transport BSA

69. One Way Alarm Transmission

This is a request for a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Category 3, Type I - Dedicated Alert Transport BSA
- Derived Channels (Monitoring)
- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA

70. Derived Channels Compatible with ISDN

This is a request for two services to interact in a compatible manner. This interaction requires development.

71. Digital Private Lines (DDS)

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Category 3, Type F - Dedicated Digital (< 64 kbps) BSA
- Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA
- Multiplexing – Digital

72. Diagnostic Channel on DS0 and Subrate Lines

This is a request for a service. It is being met by offering the following service:

- Secondary Channel Capability

73. Error Detection / Error Correction

This is a request for an attribute of a service. It is related to requests 47 and 48. It is being met or partially met by some regional companies by offering the following services:

- Category 2, Type A - X.25 Packet Switched BSA
- Category 2, Type B - X.75 Packet Switched BSA

74. Ability to Detect Breaks in Telco Line Within 60 Seconds

This is a request for a particular application of a service. It is related to request number 68. It is being met or partially met by some regional companies by offering the following ONA services:

- Verify Integrity of Subscriber Lines
- Derived Channels (Monitoring)
- Category 3, Type I - Dedicated Alert Transport BSA

75. Broadband Link(s) for Video Transmission

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Category 3, Type E - Dedicated Video BSA
- Category 3, Type H - Dedicated High Capacity Digital (>1.544 Mbps) BSA

76. Ability To Reconfigure Networks

This is a request for a service. It is being met by offering the following ONA service:

- Network Reconfiguration

77. Route Diversity

This is a request for an attribute of a service. It is being met or partially met by some regional companies by offering the following ONA services:

- Category 1 - Circuit Switched BSA
- Category 3 - Dedicated Basic Serving Arrangement
- Category 4 - Dedicated Network Access Link BSA
- Automatic Protection Switching
- Network Reconfiguration
- Route Diversity

78. Automatic Protection Switching

This is a request for a service. It is being met by offering the following ONA service:

- Automatic Protection Switching

79. Private Line Conditioning

This is a request for a service. It is being met by offering the following ONA service:

- Conditioning

80. Multiple Monitors per Loop

This is a request for a particular application of a service. It is being met or partially met by some regional companies by offering the following services:

- Category 3, Type I - Dedicated Alert Transport BSA
- Derived Channels (Monitoring)

81. Clear Access To Data Portion of Derived Channels

This is a request for an attribute of a service. It is being met by some regional companies by offering the following services:

- Category 3, Type J - Dedicated Derived Channel BSA
- Category 1, Type A - Circuit Switched Line BSA (Data up to 19.2 kbps Alternative)

82. Distinctive Ringing

This is a request for a service. It is being met by some regional companies by offering the following services:

- Distinctive Ringing
- Distinctive Ringing - Terminating Screening

83. 4-Wire Interconnection/Switching

This is a request for a particular type of interface. It is being met by or partially met by some regional companies by offering the following ONA services:

- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA

84. Access to Clear Channel Transmission

This is a request for an attribute of a service. It is being met by some regional companies by offering the following ONA services:

- Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA
- Access To Clear Channel Transmission
- Category 3, Type K - Dedicated Digital (64 kbps) BSA

85. User Initiated Diagnostics

This is a general request for a group of services. These services need to be better defined and then developed. However, this is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

86. Pass Through Diagnostics To User

This is a general request for service. It is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

87. Inband Signaling

This is a request for a particular type of signaling interface. It is related to request number 56. It is being met or partially met by some regional companies by offering the following ONA service:

- Category 3, Type C - Dedicated Voice Grade BSA

88. Bridging

This is a request for a service. It is being met by offering the following ONA service:

- Bridging

89. Monthly Detailed Recording

This is a request for a service. It is being met or partially met by some regional companies by offering the following services:

- Call Detail Recording Reports
- Call Detail Recording Reports (Packet)

90. Automatic Disablement Of Call Waiting Tone During Dial-Up Data Call

This is a request for a service. It is being met or partially met by offering the following ONA service:

- Call Waiting - Cancel

91. Enable / Disable Network DTMF Signaling

This is a request for a service that requires development.

92. Passive In-Band DTMF Tone Transmission

This is a request for a service that requires development.

93. Extend DTMF Tone Set

This is a request for a service that requires development.

94. Tone to Digital Translation

This is a request for a service to operate in a particular manner. This requires development.

95. Multiple Call Forwarding

This is a request for a service to operate in a particular manner. It is related to requests number 1 and 4. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Multiple Simultaneous Calls Interswitch

96. Virtual Dial Tone

This is a request for a particular attribute of a service. It is related to requests number 47 and 48. It is being met by some regional companies by offering the following services:

- Category 2, Type A - X.25 Packet Switched BSA
- Category 2, Type B - X.75 Packet Switched BSA

97. Remote Access to User Programmable Functions (Packet)

This is a request for a service that requires development.

98. Remote Speed Call Menu Builder (Packet)

This is a request for a service that requires development.

99. Speed Call Menu Builder (Packet)

This is a request for a service that requires development.

100. Remote Speed Call Menu Access Translator (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Menu Access Translator - Gateway

101. Carrier Selection On Reverse Charge

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Carrier Selection on Reverse Charge

It is also being met or partially met by some regional companies by offering an alternative of the following ONA services:

- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA (800 dialing plan alternative)

102. Network Control By Customer From Customer Premises

This is a request for service that requires development.

103. Real Time Traffic Usage Data

This is a general request for a service. It is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

104. Central Office Announcements

This is a request for an attribute of a service. It may be related to request number 25. It is being met or partially met by some regional companies by offering the following ONA services:

- Multiline Hunt Group
- Multiline Hunt Group - C. O. Announcements
- Multiline Hunt Group - Uniform Call Distribution Line Hunting
- Multiline Hunt Group - UCD with Queuing

105. Name & Address of the Calling Party

This is a general request for a service. It is being met or partially met by some regional companies by offering the following service:

- Name of Calling Party

106. Suppression of Audible Click on Call Forwarding (Interoffice)

This is a request for an attribute of a service that requires development.

107. Billing Number Delivery

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Calling Billing Number Delivery - FG B Protocol
- Calling Billing Number Delivery - FG D Protocol

108. Privacy (Classes Of Non-Published Service)

This is a request for a service that requires development.

109. Delivery Of Traveling Class Mark

This is a request for an attribute of a service. It is related to request number 107. It is being met or partially met by some regional companies by offering the following ONA services:

- Calling Billing Number Delivery - FG D Protocol
- Flexible ANI Information Digits

110. User ID Associated With Calling Number And/Or Service ID Code

This is a request for a service that requires development.

111. Warm Line

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Warm Line

112. Closed User Group (Packet)

This is a request for a service. It is being met by offering the following ONA service:

- Closed User Groups - Packet

113. Fast Select (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Fast Select Acceptance - Packet
- Fast Select Request - Packet

114. Hunt Group (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Hunt Groups - Packet

115. Call Redirection (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Call Redirection - Packet

116. Direct Call (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Direct Call - Packet

117. Programmed Default Call Forwarding

This is a request for a service that requires development.

118. Restriction of Outgoing Calls (Packet)

This is a request for a service that requires development.

Appendix B: Individual Regional Company Responses to the 118 ESP Requests

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| 1. Call Forwarding Busy Line/Don't Answer | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 2. Activation Of CF Variable Without Call Completion | CNS | CNS | CNS | CNS | CNS | | CNS |
| 3. Call Forward Don't Answer Interoffice | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 4. Multiple Calls Forwarded To DID Interoffice | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 5. Call Forwarding With Status Information To Answering Bureau | BSE | BSE | BSE | BSE | BSE | | BSE |
| 6. Activation of Call Forwarding Variable With Call Completion | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 7. Call Forwarding With Call Screening | | CNS | CNS | | CNS/ BSE | CNS | CNS |
| 8. Call Forwarding With Call Waiting | | | CNS | CNS | CNS | | CNS |
| 9. Call Forwarding With Called and Calling Number | BSE | BSE | BSE | BSE | BSE | | BSE |
| 10. Call Forward Don't Answer With Variable Ring Counts | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 11. Customer Control of CFBL/CFDA | CNS | | CNS | CNS | CNS | | CNS |
| 12. Monitor & Barge In | | | | | | | |
| 13. SMDI | BSE | BSE | BSE | BSE | BSE | | BSE |
| 14. SMDI With Automatic Ringback | | | | | | | CNS |
| 15. 3-Way Call Transfer | BSE | BSE | BSE/ CNS | BSE | BSE | | BSE |
| 16. Speed Calling | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 17. Remote Activation of Custom Calling Services | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 18. ESP Notification Of ESP's Client Or BOC Control Action | | | | | | | |
| 19. Call Distribution Functions Including Queue | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 20. Derived Local Channels | CNS/ BSE | CNS/ BSA | CNS | BSA | CNS/ BSE | CNS/ BSA | BSA |
| 21. Screening | CNS | CNS | CNS | | CNS/ BSE | CNS | CNS |
| 22. Calling Directory Number Delivery | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | CNS | BSE |
| 23. Delivery of Dialed Number | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSA | BSE |
| 24. Uniform Abbreviated Dialing | | CNS | | | CNS | | CNS |
| 25. Multiline Hunt Groups | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 26. Unlimited Size Hunt Groups | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 27. Individual Access To Each Port In A Hunt Group | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 28. CLASS Features Interoffice | CNS | CNS | CNS/ BSE | CNS | CNS/ BSE | CNS | CNS/ BSE |
| 29. Suppressed Ringing | | | | | | | |
| 30. Trunk Side Access | BSA |
| 31. Trunk Side Connection With Power Ringing | | | | | | | |
| 32. Access to Extended Superframe Data Channel | BSE | BSA | BSA | BSA | BSA | BSE | BSA |
| 33. Trunk Group Make Busy | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 34. Message Waiting Indication | BSE/ CNS |
| 35. Answer Supervision (Connect/Disconnect Indications) - Line | BSE | BSE | BSE | | BSE | | BSE |
| 36. Night Transfer | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 37. Faster Signaling On DID | | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSA | BSA |
| 38. Post Dialing DTMF Signaling From Paystations | YES | YES | BSA | CNS | YES | CNS | BSA |
| 39. Selected Number Reverse Billing Rate Period Specific | BSE | BSE | | | BSE | BSE | BSE |
| 40. Single Number Access For Multiple Locations | | BSE | CNS | | | | BSA |
| 41. Ability To Notify Or Interrupt A Customer | BSE/ CNS | BSE/ CNS | BSE | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS |
| 42. Ability To Return Held Call To Customer | | | | | | | |
| 43. Interconnection For Specialized Terminal Equipment | BSA |
| 44. Provision For Sharing An ESP Client Among ESPs | | | | | | | |
| 45. Custom Service Areas | BSA | BSE | BSE | BSA | BSA | | BSE |
| 46. Statistical Multiplexer at Central Office | BSA | BSA/ BSE | | | BSA | BSA | BSA |
| 47. X.25 Interface To Packet Switch | BSA |
| 48. X.75 Interface To Packet Switch | BSA |
| 49. Access To Data Services | CNS | CNS/ BSE | CNS | BSE/ CNS | CNS/ BSE | CNS | CNS |
| 50. B-Channel Switched and Dedicated Access | | | | | | | |
| 51. D-Channel Data Delivered on B-Channel | | | | | | | |
| 52. Multiple D-Channels on B-Channel | | | | | | | |
| 53. ESP Access to D-Channel Signaling | | | | | | | |
| 54. Feature Node Service Interface (FN/SI) | | | | | | | |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-----|-------------|-----|-------|
| 55. Service Control Point (SCP) Databases | | | | | | | |
| 56. Term Sets and Inband Signaling on Analog Channels | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 57. Access to Future Intelligent Functions of ISDN | | | | | | | |
| 58. Compatibility to Existing Terminals | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 59. Mapping ANI to User ID (X.75) | | | | | | | |
| 60. Calls Accepted With BOC's DNIC or ESP's DNIC | BSA | BSA | | | BSA | BSA | BSA |
| 61. Equal Access to Exchange Ntwk Switching and Transmission | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 62. Peak Traffic Handling Within Exchange Network | | | | | | | |
| 63. ESP Defined Dynamic Routing | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 64. Common Channel Signaling Access | BSA | | | BSA | BSA | | BSA |
| 65. Dynamic Allocation of Transmission Capacity | | | BSE/ CNS | | | | |
| 66. Provision of BOC Network Status Information | | | | | | | |
| 67. Real Time Access To Exchange Network Testing Facilities | | | BSE/ CNS | | | | |
| 68. Derived Channels That Comply With UL and NFPA | CNS/ BSE | CNS | BSA | CNS | BSE/ CNS | | CNS |
| 69. One Way Alarm Transmission | CNS | BSA/ CNS | BSA | BSA | BSA | BSA | CNS |
| 70. Derived Channels Compatible with ISDN | | | | | | | |
| 71. Digital Private Lines (DDS) | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 72. Diagnostic Channel on DS0 and Subrate Lines | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 73. Error Detection / Error Correction | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 74. Ability to Detect Breaks in Telco Line Within 60 Seconds | CNS/ BSE | CNS/ BSA | | BSA | CNS/ BSE | | CNS |
| 75. Broadband Link(s) for Video Transmission | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 76. Ability To Reconfigure Networks | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 77. Route Diversity | BSA/ BSE | BSA | BSE/ CNS | BSE | BSA | BSE | BSE |
| 78. Automatic Protection Switching | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 79. Private Line Conditioning | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 80. Multiple Monitors per Loop | BSE/ CNS | | | CNS | CNS | | CNS |
| 81. Clear Access To Data Portion of Derived Channels | BSA | BSA | BSA | BSA | BSA | | BSA |
| 82. Distinctive Ringing | CNS | CNS | CNS | | CNS | CNS | CNS |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-----|-------------|--------------------|-----|------------|-------|
| 83. 4-Wire Interconnection/Switching | BSA | BSA | | BSA | BSA | BSA | BSA |
| 84. Access to Clear Channel Transmission | BSE/ BSA | BSE | BSA | BSE | BSE | BSE | BSE |
| 85. User Initiated Diagnostics | | | BSE/ CNS | | | | |
| 86. Pass Through Diagnostics To User | | | BSE/ CNS | | | | |
| 87. Inband Signaling | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 88. Bridging | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 89. Monthly Detailed Recording | | BSE | BSE | AN/ BSE/ CNS | | AN/ BSE | BSE |
| 90. Auto Disable Of Call Wtng Tone During Dial-Up Data Call | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 91. Enable / Disable Network DTMF Signaling | | | | | | | |
| 92. Passive In-Band DTMF Tone Transmission | | | | | | | |
| 93. Extend DTMF Tone Set | | | | | | | |
| 94. Tone to Digital Translation | | | | | | | |
| 95. Multiple Call Forwarding | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 96. Virtual Dial Tone | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 97. Remote Access to User Programmable Functions (Packet) | | | | | | | |
| 98. Remote Speed Call Menu Builder (Packet) | | | | | | | |
| 99. Speed Call Menu Builder (Packet) | | | | | | | |
| 100. Remote Speed Call Menu Access Translator (Packet) | | | | | | | BSE |
| 101. Carrier Selection on Reverse Charge | BSA | BSE | BSA | BSE | BSE | | BSA |
| 102. Network Control By Customer From Customer Premises | | | | | | | |
| 103. Real Time Traffic Usage Data | | | BSE/ CNS | | | | |
| 104. Central Office Announcements | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 105. Name & Address of the Calling Party | | | CNS | | | | |
| 106. Suppression of Audible Click on Call Fwding Interoffice | | | | | | | |
| 107. Billing Number Delivery | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 108. Privacy (Classes Of Non-Published Service) | | | | | | | |
| 109. Delivery Of Traveling Class Mark | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 110. User Nmbr Assoc. With Calling Nmbr and/or Svc ID Code | | | | | | | |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|---|-------------|-------------|-------------|-------------|-------------|-----|-------|
| 111. Warm Line | CNS | CNS | CNS | BSE/ CNS | CNS | CNS | CNS |
| 112. Closed User Group (Packet) | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 113. Fast Select (Packet) | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSE |
| 114. Hunt Group (Packet) | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 115. Call Redirection (Packet) | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 116. Direct Call (Packet) | CNS | CNS | CNS/ BSE | BSE/ CNS | CNS | CNS | CNS |
| 117. Programmed Default Call Forwarding | | | | | | | |
| 118. Restriction of Outgoing Calls (Packet) | | | | | | | |

AN = ancillary service

Please note – recently, various BOCs have completed, or are in the process of completing, corporate mergers. For Appendix A and Appendix B of BOC ONA Special Report #5, the old company names will continue to be used (for example, Bell Atlantic and NYNEX are listed separately, rather than being combined under the Verizon name; Southwestern Bell and Pacific Bell and Ameritech are listed separately).

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