

Call Forwarding - Variable (1053)

This capability provides the ESP's client with the ability to forward all calls to a second directory number for handling. As part of the activation of the feature, an associated call is placed to the ESP's forward-to number.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Call Forwarding - Variable	Variable Call Forwarding	CNS

FEATURE OPERATION:

To activate call forwarding variable with the ESP's number as the forward-to number, the ESP's client dials the call forwarding variable activation code. A recall dial tone (stutter dial tone) is provided, and then the ESP's client dials the ESP's number. When the ESP answers the call, activation is complete. (If the ESP does not answer, the customer may repeat the process within a specified amount of time, e.g., one minute, and the feature will be activated.) Depending on the type of central office switch serving the ESP's client, while call forwarding variable is active, the ESP's client's line will receive a reminder ring whenever a call is forwarded.

To deactivate the feature, the ESP's client dials the call forwarding variable deactivation code.

When call forwarding variable is active, the ESP's client's ability to originate calls will be unaffected.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.1.2.1
VIDAR	7.0.1.2
ITT-1210	7.2
DMS-10	208.1
1A ESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS23
#2EAX	1.2.9.1

2. Call Forwarding Variable will override Call Forwarding Don't Answer and Call Forwarding Busy Line if all three features are active at the same time.
3. Calls may be forwarded to any telephone number including DID numbers served by the same or a different central office.

4. References:

- **GR-580 LSSGR: Call Forwarding Variable**, FSD 01-02-1401 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000580 Issue 1 – no technical changes).
- **GR-586 LSSGR: Call Forwarding Subfeatures**, FSD 01-02-1450 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-TSY-000586 Issue 1 & GR-586 Issue 1).

Call Forwarding - Variable - Activation Without Courtesy Call (I054)

This capability provides the ESP's client with the ability to activate the call forwarding variable (forward all calls) feature without completing a call to the ESP's forward-to number.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Call Forwarding - Variable - Activation Without Courtesy Call	Variable Call Forwarding	CNS

FEATURE OPERATION:

To activate call forwarding variable with the ESP's number as the forward-to number, the ESP's client either dials the call forwarding variable activation code of the form *XX or an access number.

1. **Dialing an activation code.** A recall dial tone (stutter dial tone) is provided, and then the ESP's client inputs the ESP's number by dialing it. If the activation can be accomplished for the designated forward-to address, then the switch responds with confirmation tone.
2. **Dialing an Access Number.** The customer dials an access number (e.g., an 800 number or a regular NPANXX-XXXX number) from any station. An announcement is returned asking for the customer directory number and a security code. If the dialed directory number and security code match and the customer subscribes to the service a prompt to select the feature (e.g., CFV) and the specific action (i.e., activation) is returned. After making the change the customer can wait for a confirmation or use, at any time, the verify capability to determine the feature status and forward to number.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
VIDAR	7.1.0.2
SESS	5E2(2)*

* Requires Business and Residence Custom Service (BRCS).

2. When call forwarding variable is active, the ESP's client's ability to originate calls will be unaffected.
3. References:
 - GR-586 LSSGR: Call Forwarding Subfeatures, FSD 01-02-1450 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-TSY-000586 Issue 1 & GR-586 Issue 1)
 - GR-580 LSSGR: Call Forwarding Variable FSD 01-02-1401 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000580 Issue 1 – no technical changes).

Call Forwarding - Variable - Remote Activation/Control (1055)

This capability gives the ESP's client the ability to activate or deactivate the call forwarding variable (forward all calls) feature from remote locations other than their base station. The signaling used to activate or deactivate the call forwarding feature from the remote location must be from a Dual Tone Multi-Frequency (DTMF) set.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Call Forwarding - Variable - Remote Activation/Control	Remote Access - CF Variable	CNS

FEATURE OPERATION:

The ESP's client has two options for changing the forward-to number from a remote station:

1. The remote activation of call forwarding variable feature provides a dedicated directory number that can be used for remote activation. A caller may place a call to this remote activation directory number from any station. Calls to this number are answered with a tone or announcement. The caller then dials, on a DTMF station from his/her remote location, his/her home (base station) directory number and a security code. If the dialed directory number and security code match and that customer subscribes to remote activation, confirmation tone followed by dial tone is returned. The customer then proceeds through the call forwarding activation/deactivation procedure as if at home (at the base station).
2. Dialing an Access Number. The customer dials an access number (e.g., an 800 number or a regular NPANXX-XXXX number) from any station. An announcement is returned asking for the customer directory number and a security code. If the dialed directory number and security code match and the customer subscribes to remote activation, a prompt to select the feature (e.g., CFV) and the specific action (e.g., activation or deactivation) is returned. After entering their selection, the customer can wait for a confirmation or use, at any time, the verify capability to determine the feature status and the forward to number.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
EWSD	7
GTD-5	1.6.4.1
DMS-10	404.2
1A ESS *	1AE10
5ESS *	5E5
DMS-100 *	BCS28

Note: * This service may be provided via a switching feature in the switch or via an adjunct processor.

2. Reference:

- SR-504 SPCS Capabilities and Features (A Module of LSSGR, FR-64), Issue 1, March 1996 (formerly TR-NWT-000504)

Call Waiting - Cancel (1056)

Cancel Call Waiting allows a subscriber with the Call Waiting feature to inhibit reception of the Call Waiting Tone for the duration of a single call. This prevents interruption of data traffic or interruption during an important telephone call.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Call Waiting - Cancel	Cancel Call Waiting	CNS
	Call Waiting/Cancel Call Waiting	CNS

FEATURE OPERATION:

1. When a subscriber with the Call Waiting Feature wishes to cancel the Call Waiting feature during the call, they must depress the receiver button, listen for dial tone, and dial Star (*) plus 70 for touchtone (DTMF) phones or dial 1170 for rotary dial (DP) phones (Cancel Call Waiting Code) for a POTS line or a Business Group line. After dialing the code, the subscriber listens for confirmation tone and is then automatically reconnected to the call in progress. The Call Waiting Feature has then been deactivated and no interruptions are allowed during the call.
2. When a subscriber with the Call Waiting Feature wishes to cancel the Call Waiting Feature prior to making a call, they must lift the receiver, listen for dial tone, and dial Star (*) plus 70 for touchtone (DTMF) phones or dial 1170 for rotary (DP) phones (Cancel Call Waiting Code) for a POTS line or a Business Group line. After dialing the code, the subscriber listens for confirmation tone followed by dial tone. The Call Waiting Feature has then been deactivated and no interruptions are allowed during the call.
3. Call Waiting will be re-established when the call is terminated.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1 6.2.1
VIDAR	8
DMS-10	402.52
1A ESS	1A E8A
5ESS	5E2(2)
DMS-100	BCS24
#2EAX	1.3.5.1

2. Call Forwarding Variable is compatible with Call Waiting and Cancel Call Waiting service
3. Call Hold and Call Waiting with the Cancel option can be assigned to the same line.
4. Call Pickup and Call Waiting with the Cancel option can be assigned to the same line.
5. Speed Calling and Call Waiting with the Cancel option can be assigned to the same line.
6. Call Waiting with the Cancel option may be assigned to either or both parties on a TwoParty Line.
7. Cancel Call Waiting may not be provided on the following lines:
 - Coin Lines
 - Denied Originating Lines
 - Four and Eight Party Lines
 - PBX Lines
 - Hotel/Motel Calls Routed to TSPS
8. References:
 - GR-572 LSSGR: Cancel Call Waiting, FSD 01-02-1704 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000572 Issue 1 & Revision 1 -- no technical changes).

Called Directory Number Delivery via DID (1057)

This service allows the central office switch to deliver all or part of the destination address to the ESP at the time the call is established. Usually, the destination address delivered is the same as the number originally dialed. When number translations have occurred, e.g., 800 calls, the DID number delivered is not the called number.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Called Directory Number Delivery via DID	Direct Inward Dialing	BSE

FEATURE OPERATION:

1. Customers order this service from the telephone company. A client calling a customer is generally unaware that the customer has Direct Inward Dialing (DID) service. The client is not required to perform any additional actions to have the call delivered via a DID trunk group.
2. In a PBX type application, the service allows a client to reach a specific PBX station without the assistance of an attendant or other intermediary.
3. The number of digits forwarded by the central office switch is determined at the time the service is ordered. The customer must also arrange for a block of telephone numbers to be associated with the DID trunks.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
PCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	7.0.1.2
ITT-1210	7.2
1A ESS	1AE8A
3ESS	3E2(2)
DMS-100	BCS17
*2EAX	1.2.9.1

2. A customer may elect to receive Dial Pulse or Dual Tone Multifrequency (DTMF) signaling when using analog facilities. Some companies may offer Multifrequency (MF) outpulsing/signaling to the ESP community. If both the

central office switch and the customer's equipment are digital, the customer may be able to order DID trunks with digital connectivity.

3. This service is an incoming service (to the customer's CPE) and is typically a "trunk side" service.

4. References:

- GR-524 LSSGR: Attendant and Customer Switching System Features and Customer Interfaces, FSD 04-01-0000 through 04-05-0000 (A Module of LSSGR FR-64), Issue 1, June 2000 (replaces TR-TSY-000524 Issue 2 & Revision I – no technical changes).

This service, if offered as a BSE, may be associated with the Circuit Switched Line or Trunk basic serving arrangement, as stated in the individual ONA plans.

Calling Billing Number Delivery - FG B Protocol (1060)

This arrangement allows the ESP to receive the billing number (ANI- 7 digit) of the party who originated the call to the ESP with the signaling information that is transmitted to the ESP during call setup. This signaling information will be transmitted using a Feature Group B protocol over a direct circuit switched trunk side connection.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Calling Billing Number Delivery- FG B Protocol	Automatic Number Identification	BSE
	Calling Station Billing Numbers ANI	BSE
	ANI - Automatic Number Identification	BSE

FEATURE OPERATION:

1. An ESP's client will dial (1)+950+0XXX or (1)+950+1XXX to reach the ESP. The XXX is the ESP's Carrier Identification Code (CIC).
2. ESP equipment may need to prompt the end user (e.g., via second dial tone) for additional information in order for the ESP to process the call.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	8.1.7.5
1A ESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS19
#2EAX	1.2.9.1

2. ESPs that purchase trunk side access service utilizing FG B protocol will be assigned a Carrier Identification Code (CIC) and must establish a Point of Presence (POP) in each LATA served. The CIC code will be the same for both FG B protocol and FG D protocol. However, in the future, CIC codes for trunk side access services utilizing FG B protocol and FG D protocol may be assigned independently.

3. ESPs must order direct trunks between each FG B protocol end office switch they wish to serve and their POP. The ANI optional feature must be ordered on all trunks. (Calling Billing Number Delivery- FG B Protocol cannot be provided using tandem arrangements, as the tandems utilizing FG B protocol do not have the ability to pass ANI.)
4. The ANI data forwarded to the ESP consists of the seven (7) digit billing number of the station originating the call and one ANI information digit.
5. Destination code information, such as the called number, may be transmitted to the ESP from rotary stations provided the ESP orders the Rotary Dial Station Signaling option. This feature is available only from suitably equipped end offices.
6. Calls may be forwarded to ESPs using call forwarding services.
7. This service may be available in other switches equipped for Equal Access service.
8. References:
 - GR-698 LSSGR: Feature Group B FSD 20-24-0300 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000698 Issue 1 & Revision 1 – no technical changes).
 - TR-NPL-000175 Compatibility Information for Feature Group B Switched Access Service, Issue 1, July 1985. [No longer listed]
 - GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, July 1994.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk basic serving arrangement.

Calling Billing Number Delivery - FG D Protocol (1061)

This arrangement allows the ESP to receive the billing number (ANI- 10 digit) of the party who originated the call to the ESP with the signaling information that is transmitted to the ESP during call setup. This signaling information will be transmitted using a Feature Group D protocol over a circuit switched trunk side connection.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Calling Billing Number Delivery- FG D Protocol	Automatic Number Identification	BSE
	ANI- Automatic Number Identification	BSE

FEATURE OPERATION:

1. An ESP's client that is presubscribed to that ESP will dial (1) + 7/10 digits to reach the ESP. If the ESP's client chooses another carrier as his/her presubscribed carrier, the ESP's client would dial 10XXX (and/or 101XXXX) + (1) + 7/10 digits or 10XXX (and/or 101XXXX)+# to reach the ESP. The XXX (and/or XXXX) would be the ESP's Carrier Identification Code (CIC).

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. ESPs that purchase trunk side access service utilizing FG D protocol will be assigned a Carrier Identification Code (CIC) and must establish a Point of Presence (POP) in each LATA served.
2. ESPs may order (1) direct trunks between each equal access switch and the ESP's POP, or (2) trunks between FG D protocol equal access tandems and the ESP's POP, or (3) a combination of direct and tandem trunks. The trunks must be ordered with the ANI feature where ANI is an optional feature, in order for the ESP to receive the calling billing number.
3. Calls may be forwarded to the ESP using call forwarding services.
4. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	8.1.7.5
DMS-10	210.4
1A ESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS19
#2EAX	1.2.9.1

5. The service may be available in other switches equipped for Equal Access service.
6. This service may be available with CCS7 protocol.

7. References:

- GR-690 Exchange Access Interconnection FSD 20-24-0000 (A Module of LSSGR, FR-64), Issue 2, September 1995, Rev 1 - November 1996.
- TR-NPL-000258 Compatibility Information for Feature Group D Switched Access Service, Issue 1, October 1985.
- GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994.

8. References for CCS7:

- GR-905 Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and ISDN User Part (ISDNUP), Issue 11 – December 2008 (replaces GR-905, Issue 10).
- GR-394 Switching System Generic Requirements for Interexchange Carrier Interconnection (ICI) Using the Integrated Services Digital Network User Part (ISDNUP), (A Module of LSSGR, FR-64), Issue 8 – November 2007 (replaces Issue 7).

This service, if offered as a BSE, is associated with the Circuit Switched Trunk basic serving arrangement.

Calling Directory Number Delivery - via ICLID (1064)

Calling Directory Number Delivery via Calling Number Delivery (CND) (CLASSSM) allows the subscriber to receive the telephone number of the caller prior to answering the call.

When Calling Number Delivery (CND) is assigned to the subscriber's line, the directory number of the calling party, the time of the call and the date are sent to, and displayed on, the called party's Customer Premises Equipment (CPE) during the first long silent interval of the ringing cycle (between the first and second rings). If the calling party is outside the area in which the service works, the called party's CPE will receive an "O" which in most cases is displayed as "Out of Area" (actual display is the function of the CPE used).

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Calling Directory Number Delivery- via ICLID	Caller ID	BSE
	Caller Identification Number-ICLID	BSE
	Caller ID - Number Only	BSE

FEATURE OPERATION:

The customer must contact the telephone company to have the Calling Directory Number Delivery service activated. Once the translation changes have been made to the customer's line and the customer has installed the appropriate CPE, the calling number, date and time of the call is automatically transmitted to the customer's CPE. If the service is offered on a usage-sensitive basis, the customer has the option of turning the display device on and off by using the service access codes *65 or 1165 for activation and *85 or 1185 for deactivation. If the service is offered on a flat-rate basis, the display device cannot be turned on and off using the access codes.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
EWSD	9
GTD-5	1.6.2.1
DMS-10	404.4
1A ESS	1AE10*
5ESS	5E5
DMS-100	BCS28

NOTE: * Available on intraoffice basis with generic 1AE9.

2. The serving central office switch must be equipped with the appropriate CLASS Calling Number Delivery software and hardware. In order for this service to work on an interoffice basis, both the originating and terminating switches

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must be equipped with the CLASSSM and the Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7.

3. This service is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to multiparty lines, coin terminating and 1A ESS remote switching system (RSS) lines. This service requires on-hook transmission, therefore there may be instances (MFT, Channel Banks) where this service may not work.
4. The subscriber must have a station set or a display device adjunct to the station set capable of receiving and displaying the calling directory number. The subscriber is responsible for the purchase and installation of this display device.
5. If the subscriber answers the telephone during the first ringing interval, the calling directory number will not be displayed at the CPE.
6. References:
 - GR-31 LSSGR: CLASSSM Feature: Calling Number Delivery, FSD 01-02-1051 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-NWT-000031 Issue 4 – no technical changes).
 - GR-30 LSSGR Voiceband Data Transmission Interface Section 6.6 (A Module of LSSGR, FR-64), Issue 2, December 1998 (replaces TR-NWT-000030, Issue 2).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Carrier Selection On Reverse Charge (1065)

800 Service is a telecommunications service in which any charges for the call are paid by the called party rather than the calling party. Dial access for the service is in the form of 1-800-NXX-XXXX. [Note: 888, 877, 866 and 855 are now equivalent to 800.]

The 800 Service subscriber purchases service from particular areas and incurs all the costs associated with processing calls for the calling parties. The unique reverse billing feature provides the calling party with "free" calls, while allowing the 800 Service customer, the called party, to encourage calls from parties of choice.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Carrier Selection On Reverse Charge	800 Service	BSE
	800/877/888 DataBase Query	BSE

FEATURE OPERATION:

800 Service provides for the assignment of a single ten digit 800 Number (i.e., 800+XXX+XXXX) to the customer which can be used on a statewide basis for intraLATA calling. The service can be selected for an area consisting of less than an entire state by specifying a desired area of service.

The basic 800 Service to an individual customer consists of the following capabilities:

1. The assignment of a single 800 number, which allows but does not require the subscriber to use one 800 number nationwide.
2. A termination that connects a location specified by the customer to the LEC's switched facilities.
3. Access to a single exchange or interexchange carrier for intraLATA transport.
4. Carrier selection.
5. Customer defined area of service.
6. The offering of national directory assistance listings to be passed to the national directory assistance provider.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	7.0.1.2
ITT-1210	7.2
1A ESS	1AE10.10.2
5ESS	5E4
DMS-100	BCS30
#2EAX	1.2.9.1

2. References:

- SR-2275 Telcordia Notes on the Networks, Issue 4, October 2000 (replaces SR-TSV-002275, Issue 3)
- LSSGR (FR-NWT-000064), Section 8.1
- LSSGR (FR-NWT-000064), Section 4.2. FSD 02-01-0020, 800 Service (INWATS), Issue 1, April 1991, Module TR-TSY-000504, SR-504 Issue 2 March 1996.
- GR-533 LSSGR:Database Services – Service Switching Points, Toll Free Service, (FSD 31-01-0000), (A Module of LSSGR, FR-64), Issue 2, June 2001 (replaces TR-NWT-000533, Issue 3)

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Customer Originated Trace (1066)

Customer Originated Trace (CLASSSM) capability allows a customer to have the last incoming number automatically traced. The results of the trace are not provided directly to the customer; they are output to an authorized agency. This capability requires that both the originating and terminating central offices be equipped with Common Channel Signaling (CCS) SS7 and be interconnected by SS7.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Customer Originated Trace	Call Tracing Service	CNS
	Call Trace	CNS

FEATURE OPERATION:

Depending on the Local Exchange Company's implementation of this service, the customer either contacts the telephone company to request the service, which requires a service order, or the service is automatically available on an office basis to everyone. In either scenario, once the appropriate translations are done to the line(s), the customer can initiate a trace of the last incoming call (after hanging up) by going offhook and dialing *57 (1157 for rotary dial). The customer then receives one of the following type announcements depending on how the service is implemented:

- One-Level Announcement

If the calling number is valid, an announcement is given informing the customer that the trace was successful and instructs the customer what to do next. If the calling number is invalid, an announcement is given indicating why the trace cannot be done and dial tone is returned to the customer.

- Two-Level Announcements

The customer receives an announcement explaining that they have accessed the Customer Originated Trace service. Then, if the calling number is valid, the customer is instructed to dial "1" if they wish to activate the service and trace the call or to hang up to abort. If the customer dials "1", an announcement is given informing the customer that the trace was successful and instructs the customer what to do next. If the calling number is invalid, an announcement is given indicating why the trace cannot be performed and dial tone is returned to the customer.

The results of the trace are not given to the customer. They are released to the appropriate law enforcement agency only upon a further request by the customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	17.2
EWSD	11
GTD-5	1.6.3.3
DMS-10	404.4
1A ESS	1AE10*
5ESS	5E5
DMS-100	BCS28

Note: * Available on an intraoffice basis with 1AE9.

2. The serving central office switch must be equipped with the appropriate CLASSSM Customer Originated Trace software and hardware. In order for this service to work on an interoffice basis, both the originating and terminating switches must be equipped with the CLASSSM and the Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7. This service is only offered on an intraLATA basis at this time.
3. This is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to multiparty lines and 1A ESS remote switching system (RSS) lines. In addition, this service is unavailable to customers that have denied originating and denied terminating treatment.
4. The information delivered to the authorized agency includes: the called telephone number, the calling telephone number, the date, and the time of the call.
5. If the customer has Call Waiting and if the Call Waiting is activated during a call, the call waited number is the number that will be traced if Customer Originated Trace is activated.
6. References:
 - GR-216 LSSGR: CLASSSM Feature: Customer Originated Trace, FSD 01-02-1052 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-TSY-000216 Issue 2 & Revision 1 & Bulletin 1 & GR-216 Issue 1).

Distinctive Ringing (1068)

Distinctive Ringing (CLASSSM) alerts a customer via a special ringing pattern when receiving a call from a pre-specified list of directory numbers. If the customer is also a subscriber to Call Waiting service, and is offhook on a call, a special Call Waiting tone will be sent to the customer if the calling party's number is on the pre-specified list.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Distinctive Ringing	Priority Call	CNS

FEATURE OPERATION:

The customer must contact the telephone company to initiate Distinctive Ringing service. A service order is required. The customer initiates control of the Distinctive Ringing screening list contents as well as activation and deactivation of the service by dialing access codes as described below. Once the appropriate translations have been made to the customer's line the customer may activate, deactivate and/or use the service as follows:

1. 1A ESS: To activate the Distinctive Ringing service, the customer must go offhook and dial *61 (1161 for rotary dial). The customer will then receive an announcement providing the following information:
 - The name of the service.
 - The service is now active.
 - The number of entries on the list.
 - The instructions for creating/adding numbers to the list; removing subscriber's entries from the list; reviewing the list.

To deactivate the service, the customer must go offhook and dial *81 (1181 for rotary dial). The customer will then receive an announcement providing the following information:

 - The name of the service.
 - The service is now off.
 - The number of entries on the list.
 - The instructions for removing any subscriber list entry; removing all subscriber entered numbers.
2. 5ESS and DMS-100: To activate or deactivate the Distinctive Ringing service, the customer must go offhook and dial either *61 or *81 (1161 or 1181 for rotary dial). Once either access code has been successfully entered, the customer should receive an announcement providing the following information:

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- The name of the service.
- The status of the service (active or inactive).
- The number of entries on the list.
- The instructions for creating/adding, removing, reviewing the list, changing of service status (active to inactive, inactive to active).

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	17.2
EWSD	7
GTD-5	1.6.2.1
DMS-10	404.4
1A ESS	1AE10*
5ESS	5E6
DMS-100	BCS31**

NOTE * Available on no toll office lines with 1AE9.

** References to switching system generic releases that have not yet been released by the vendor are based on our current information about which features are planned for inclusion in those generic releases. If the vendors change the availability of any features in future generic releases that are referenced in this document, the availability of some services may be affected.

2. The maximum directory number list size is predetermined by the telephone company on a company basis and can range from 2 to 31.
3. The serving central office switch must be equipped with the appropriate CLASSSM Distinctive Ringing/Call Waiting software and hardware. In order for this service to work on an interoffice basis, both the originating and terminating switches must be equipped with the CLASS and Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7.
4. This service is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to customers with the following types of lines: multiparty, hotel/ motel, coin and coinless public, 1A ESS remote switching system lines (RSS) and Centrex attendant with console. In addition, because of the special ringing, this service may not work where channel banks (FX service), MFTs or bridge lifters are used (depending on circuit design).
5. The ringing tone and the call waiting tone that a customer hears have a short-long-short pattern. Some telephone companies use this pattern for more than one service.

6. There are certain digital loop carrier plug-ins that will not transmit the required distinctive ringing.

7. References:

- GR-219 LSSGR: CLASSSM Feature: Distinctive Ringing/Call Waiting, FSD 01-01-1110 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-TSY-000219 Issue 1 & Revision 1 & Bulletin 2 & GR-219 Issue 1).
- GR-220 LSSGR: CLASSSM Feature: Screening List Editing, FSD 10-28-0000 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-NWT-000220 Issue 1 & GR-220 Issue 1).

Distinctive Ringing - Terminating Screening (1069)

Distinctive Ringing - Terminating Screening (non-CLASSSM) provides individual ringing signals for customers who have multiple directory numbers (DNs) assigned to a single line appearance of a circuit switch. One DN is designated as the "master" DN and receives regular ringing. Additional DN's associated with the single line appearance receive distinctive ringing signals.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Distinctive Ringing - Terminating Screening	Distinctive Ring	CNS

FEATURE OPERATION:

1. A customer may request from the telephone company that up to four Directory Numbers (a primary and three secondary) be assigned to their line. A service order is required.
2. Once provisioned, a unique ringing pattern is applied to the customer's line for each of the assigned directory numbers dialed by the calling party. The calling party always hears a normal audible ringing pattern.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCD	17
EWSD	9
GTD-5	1.6.2.1
DMS-10	403.21
1A ESS	1AE9
5ESS	5E4
DMS-100	BCS25
#2EAX	1.3.5.1

2. This service is only available on single party lines with superimposed ringing.

3. The primary number (PDN) receives normal ringing. Ringing patterns for the secondary numbers (SDNs) is as follows:

SDN1 - 2 long rings

SDN2 - 2 short rings, 1 long ring

SDN3 - 1 short ring, 1 long ring, 1 short ring

4. Customers with Call Waiting will receive a unique Call Waiting tone for each directory number dialed.
5. Customers with Call Forwarding - Variable may have the option at subscription of being able to forward only the primary number or forwarding all directory numbers upon service activation.
6. If other Call Forwarding features are assigned to the primary number, they are also provided for the secondary numbers.
7. Originating Custom Calling features such as Three Way Calling or Speed Calling can be assigned to the primary number only.

8. References:

- GR-520 LSSGR: Features Common To Residence and Business Customers I, FSD 00-00-0000 to FSD 01-01-1000 (A Module of LSSGR, FR-64), Issue 1, June 2000 [See FSD 01-01-1000] (replaces TR-TSY-000520 Issue 2 – no technical changes)

Hot Line (1070)

This automatic dialing feature provides the customer with the ability to automatically be connected with another line on the circuit switched network. When the customer's station goes offhook, a switched connection is set up without any further user action.

Generic Name of ONA Service	VERIZON Product Name	BSE or CNS
Hot Line	Automatic Ring Down Circuit Signaling	CNS
	Auto Ringdown Signaling	CNS
	Auto Ringdown Signaling (ARD)	CNS

FEATURE OPERATION:

1. A subscriber to this service, upon going offhook to initiate a call, will be automatically connected to a single predetermined number. No digits dialed by the subscriber will be accepted by the Central Office switch.
2. The service, including the predetermined number, is activated via a service order with the telephone company. Changes in the predetermined number can only be made via an additional service order.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1.1.2.1
VIDAR	7.1.0.2
ITT-1210	7.2
1A ESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS23
#2EAX	1.2.9.1

2. The predetermined number can be any valid seven to fifteen digit number.
3. Incoming calls are unaffected by this service.