

**OVERVIEW**

Directory Number (DN), sometimes called an “extension number,” is the number someone must call to reach a destination within the system. Each telephone is assigned a DN as the main directory number. To maximize call coverage flexibility any DN can appear on multiple telephones. Also, individual telephones can have multiple DN buttons with different Directory Numbers.

The system provides Primary and Phantom DN buttons on telephones. All DN buttons can be used to originate and answer calls.

**Directory Numbers**

**Primary DN Buttons** Primary Directory Number (PDN) buttons are needed to make and receive calls. It is a telephone's main extension number. Each telephone is assigned only one PDN and that telephone is designated as the owner of the PDN. This PDN button can be made to appear multiple times on other telephones (see Secondary DN Buttons). Features, Class of Service, etc., are associated only with the station assigned as the owner of the PDN. PDNs that appear on telephones other than the owner telephone are referred to as Secondary DNs or SDNs.

**Phantom DN Buttons** Phantom DN (PhDN) buttons are additional directory numbers appearing on telephones as extension buttons. PhDNs can be used as independent extensions on the phone or can appear on multiple phones to be used to allow call handling for departments or groups of telephones.

PhDNs can be used to make a telephone appear to have multiple PDN extension buttons. When assigning a PhDN for use as another appearance of the PDN, the display properties are set the same as the PDN and a hunting sequence is set up to roll the calls from the PDN over to the other PhDNs associated with the PDN. With this arrangement, Call Forward sends calls to the PDN's destinations and Voice Mailbox.

**Pilot DN** A Pilot DN is a pseudo-location that is assigned a DN where calls may be directed. Unlike PDNs and PhDNs, a Pilot DN is *not* a button on any telephone. A Pilot DN is used as a device where calls can ring and be held while an external application using the Computer Telephony Integration (CTI) can control the call. To ensure calls do not get lost in the IPedge Net, a time-out and overflow service is provided to redirect the call when the link is down. Calls being held on the Pilot DN using the CTI link can specify any of the 15 on-hold music sources that are possible on the IPedge Net.

Pilot DNs are also assigned to Station Hunt Groups (for details, refer to Station Hunting).

**Directory Numbers**

Network DN	When a new network Directory Number is added to a node in a networked system, that DN is added to all of the other nodes. The administrator does not have to login to each of the other nodes to add the DN.
Voice Mail	Register the station hunting pilot associated with each voice mail port as the Display DN in Station Assignments. When the hunting group pilot of Voice Mail is dialed and a certain port answers or when the DN of the voice mail port is directly dialed and called, or when a callback comes from the port associated with Voice Mail or when Message Waiting is registered, the Hunt Group Pilot Number of Voice Mail is displayed in any case.
Multiple Directory Numbers	The Display DN must coincide with the DN that can be dialed in and out of the system. If the number that does not exist in the system is set for the DN for representation, it is handled as a wrong dial. Refer to the Multiple Directory Numbers feature description document.

**PROGRAMMING**

This feature displays the directory number different from the extension key used for conversation on the destination terminal. Callback to Message Waiting is to the Display DN of the station, if assigned.

**CAPACITY**

The DN for presentation is applied to Directory Number (PDN, PhDN, Station Hunting Pilot Number, ACD Pilot Number). The DN for presentation is notified to other nodes as an originator number in Networking as well as indicated on DKT terminal and simplified attendant console.

**AVAILABILITY**

N/A

**RESTRICTIONS**

N/A

**HARDWARE**

No additional hardware is necessary for this feature.

**FEATURE INTERACTION**

Multiple Directory Numbers	Multiple Directory Numbers compose Station Hunting from PDN and PhDN, and provides the function by setting the same DN for presentation for each DN. For the detail, refer to Multiple Directory Numbers.
Networking	Like other DN, the DN for representation is converted and notified to other nodes as an originator number or a destination number.
Voice Mail	For each voice mail port, set the pilot number of Station Hunting associated with each port as DN for representation.