# Network Disclosure Announcement #306

Public Notice of Network Change(s), pursuant to CFR 47, subsections 51.325 - 51.335.
Qwest Communications Internet address: http://www.qwest.com/disclosures.

## Advanced Intelligent Network Feature Interaction Summary for Remote Access Forwarding (RAF) and Scheduled Forwarding (SF)

## INFORMATIONAL ANNOUNCEMENT

Date: August 20, 1996

**Summary:**

This announcement completely replaces Network Disclosure #282, announces additional deployment information and updates the "Feature Interaction" attachment.

U S WEST will be offering new services which will make use of the Advanced Intelligent Network (AIN). The AIN uses the switching network infra-structure and its internal signaling capabilities. Since the AIN is still evolving, new services will, for a time, adversely impact other features, services, and functionalities currently being offered by U S WEST.

These interactions can not be corrected by making changes to Customer Premises Equipment nor by any change in the manner in which an Enhanced Services Provider interconnects with U S WEST's basic network.

Attached are the known interactions to date for Remote Access Forwarding (RAF) and Scheduled Forwarding (SF). Deployment will occur in the 5ESS, DMS100 and DMS100/200 switches with a Termination Attempt Trigger (TAT) and AIN 0.1. 1AESS locations utilize a Dialed Number Trigger (DNT) and AIN 0.0. U S WEST is in the process of changing the 1AESS trigger to a TAT and AIN 0.1, this is not expected to be complete until sometime in 1997.

**Deployment:**

5ESS and 1AESS switches located in the following states are "technically capable" of providing RAF/SF today:
Colorado
Idaho
Iowa
Minnesota
Nebraska
Oregon
Utah
Washington

In 1996, U S WEST plans to equip 5ESS and 1AESS switches in the following states:
Montana
North Dakota
South Dakota
Wyoming

Also, in 1996, selected DMS100 and DMS100/200 switches will be "technically capable" of providing RAF/SF in the following states:
Colorado
Idaho
Iowa
Minnesota
Nebraska
North Dakota

Oregon
Utah
Washington
Wyoming

**Additional Information:**

For the most current listing of interactions and estimated resolution dates or; to notify U S WEST of any identifiable problem encountered with these AIN services, please contact:

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**Attachment:**

The following is a list of known feature interactions for Remote Access Forwarding (RAF) and Scheduled Forwarding (SF).

This list is subject to change.

1. CPE For numbers served from a 1AESS with a DNT, calls forwarded from RAF/SF display the original calling party only, some Customer Premises Equipment (CPE) may show both the calling number and the number from where calls are redirected. Some CPE devices will not function as expected in this case. For numbers served from a 5ESS or a DMS100 with termination attempt trigger the CPE will function as expected.

2. Message Delivery Service (MDS) provisioned Voice Messaging/Mail Systems (VMS). (DID) provisioned VMS has no interaction problems with either the 1AESS or the 5ESS switches.) 1AESS switch with 3/6/10 trigger:
   o Intra-switch calls

   When a call is routed to the subscriber's voice mail using RAF/SF service, the caller will not receive the subscriber's mailbox, but may instead receive a prompt for their own (the caller's) password, if the caller is also on the same voice mail system.

   o Inter-switch calls

   A call routed to the subscriber's voice mail system will receive a generic message requesting the caller to re-enter the calling telephone number. 5ESS office with termination attempt trigger:

   o Intra-switch calls/Inter-switch calls:
   o Functions normally.

   DMS 100 office with termination attempt trigger:

   o Intra-switch calls:

   Functions the same as the switched based CFV feature.

   o Inter-switch calls.
   o Functions normally

3. Nonsensical destinations or destinations to which the subscriber does not have privileges. If the subscriber to RAF/SF forwards their telephone to destinations that are nonsensical (i.e. numbers that are intercepted, don't exist, etc.) or to destinations that they don't have privileges to call (i.e. if the number is on toll blocking, carrier denied, etc.) the caller will receive unexpected, although completely appropriate responses.

4. ISDN: RAF/SF is not compatible with National ISDN-1.

5. Digital Switch Service/Digital Data Service. Digital Switch Service/Digital Data Service (DSS/DDS). RAF/SF is not available at this time in conjunction with these services.

6. Call Forward Variable. If a new subscriber to RAF currently subscribes to Call Forward Variable (CFV), the CFV service will generally be removed from the subscriber's profile. U S WEST will allow a customer to have both AIN RAF and CFV if the customer is aware of, and understands the interaction problems and limitations. When

activated RAF will always take precedence over CFV. No matter how many changes are made to CFV, RAF will predominate. However, if RAF is deactivated, CFV will function normally.

7. CLASS and switch based vertical services. In most cases CLASS and switchbased vertical services will function as expected. Occasionally, with the multitude of possible combination of services available, a situation will arise where an AIN service will cause an unexpected result. This list is not intended to be inclusive of all possible combinations that can occur in the network, only those that are known at this time. Below are listed those known feature interactions when used in combination with RAF/SF. This AIN service will take precedence over all switched based services.

a) Customer Originated Trace. The number trapped is the original calling party, not the redirected party. (Same as switch based call forwarding.)

b) Priority Call. If RAF/SF is active, the distinctive alerting is not maintained at the forward to destination, but functions properly when in the inactive state.

c) Selective Call Forwarding /Selective Call Rejection: When RAF/SF is activated, the incoming call will be forwarded without encountering the Selective Call Forwarding (SCF)/Selective Call Rejection (SCR) list. When RAF/SF is not activated, SCF/SCR will forward or reject according to each respective list.

d) Last Call Return. Last Call Return (LCR) can not capture calls when forwarding is activated to another number. If a subscriber to RAF/SF has LCR, the LCR feature will only capture calls prior to the RAF/SF activation.

e) Hunting. RAF/SF should be used only on the lead number of the hunt group or on stations with independently addressable terminating numbers.

f) Home Intercom/Intra-Call. On numbers served from a 5ESS this service will function normally. When Home Intercom is used on numbers served from a 1AESS or a DMS 100, the trigger will be encountered and the call will be forwarded if RAF/SF is activated.

g) Other forwarding services. When activated, RAF/SF will take precedence over all switch based call forwarding features, however when inactivate those features will function normally.

8. Message Rate Service
DMS 100 switch with termination attempt trigger
Does not function.