RESTORATION SEQUENCE

MESSAGE AND SPECIAL SERVICE CIRCUITS

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1. GENERAL

1.01 This section designates the restoration sequence to be used when facility failures affect Special Services and/or Network Message circuits.

1.02 Services to be included in the restoration sequence are:

(a) Plant Order Wires and Official Telephone Company circuits.

(b) Network Message circuits.

(c) Special Service circuits.

1.03 For the day-to-day restoral of individual circuits spare facilities and reroutes should be used. If these are not available, the restoration sequence specified in this section may be used as a guideline if the facilities assigned to a working circuit of lower precedence are to be used for restoral. Lowest precedence circuits should be used first, and the user should always be notified of the preemption of his circuit.

2. DEFINITIONS

2.01 Special Services: Those Special Services that are described in Section 660-225-011.

2.02 Priorities 1, 2, 3 and 4 Special Services: Those Special Services that are described in Section 660-207-020. They include Bell System circuits and those of other common carriers using Bell System leased facilities. Alpha subpriorities have been established for each numerical priority to determine the restoration sequence within the numerical classification.

2.03 Switched Services Network (SSN): SSN intermachine circuits and access lines are described in Section 309-200-100 and are considered as Special Service circuits.

2.04 Emergency Calls: The special class of calls as described in Traffic Operating Practice, Division C, Section 21. The three levels of precedence are:

(a) Flash Emergency: Calls essential to national survival during or immediately preceding the possibility of an attack or in other critical national emergency situations.

(b) Immediate Emergency: Essential calls when attack threatens, or during a post attack period.

(c) Priority Emergency: Calls requiring prompt completion during widesprread emergency conditions caused by natural disasters such as earthquakes, hurricanes, floods, etc.

3. RESTORATION SEQUENCE

3.01 The following paragraphs and tables designate the restoration sequence during periods of facility failures.

STEP 1 Restore:

All Plant Order Wires and official Telephone Company circuits essential for restoration, including other common carrier order wires using Bell System leased facilities.

STEP 2 Restore:

(a) Network message circuits to handle Flash Emergency Calls, Table 1 Step 1.

(b) Priority 1 Special Services plus SSN intermachine circuits, Table 2, Step 1.

STEP 3 Restore:

(a) Priority 2 Special Services plus SSN intermachine circuits, Table 2, Step 2.

STEP 4 Restore:

(a) Network message circuits to handle Immediate Emergency Calls, Table 1, Step 2.

(b) Priority 3 Special Services, plus SSN intermachine circuits, Table 2, Step 3.

STEP 5 Restore:

(a) Network message circuits to handle Priority Emergency Calls, Table 1, Step 3.

(b) Priority 4 Special Services, plus SSN intermachine circuits, Table 2, Step 4.

STEP 6 Restore:

(a) Services necessary to remove Federal Aviation Administration isolations.

(b) Network circuits necessary to remove isolations.

(c) Government services required for the purpose of maintaining law and order, the health and safety of the population, and critical damage control functions.

(d) Dispatch-type services for public utilities, common carriers, and pipeline companies.

(e) Radio, Television and Press services.

STEP 7 Restore:

(a) Network message circuits in sufficient quantity to reduce overflows on final groups to below the 50 percent level.

(b) All other Special Services, both industrial and government, including those leased to other common carriers.

STEP 8 Restore:

All remaining network message circuits.

3.02 The quantity of network message circuits needed to handle Emergency Calls should be specified by the Network Manager or the Traffic Department. In the absence of such instructions, Plant should use Table 1 as a guideline.

3.03 The quantity of SSN intermachine trunks needed to handle the traffic from restored priority access lines is specified in Table 2. Intermachine trunks are not assigned a specific priority and it is the responsibility of the Plant Control Office for each trunk group to designate the specific trunks to be restored. If other SSN's besides the two specified in Table 2, have priority access lines, the office restoring the access line should insure that sufficient intermachine trunks are available.

3.04 Certain Voice Frequency Carrier Telegraph (VFCT) Systems have individual priority circuits assigned to channels within the system. The restoration sequence of these systems will be determined by the priority assignments of the individual circuits in that system.

In the case of systems carrying circuits with identical priority assignments, the system carrying the greatest number of priority circuits will take precedence and system restoration will take precedence over channel restoration. If facilities are not available to restore systems, individual telegraph channels will be restored according to the priority of the circuit using the channel.

3.05 Facilities may be used for circuits lower in the restoration sequence, if they are unsuitable for higher ones still out of service.

3.06 When cables, carrier, radio, or coaxial systems are restored, groups of circuits are restored at one time. Lower sequence circuits, so restored, may be turned up when this does not delay restoration of higher sequence services or deprive them of facilities.

3.07 If facilities are not available to restore all services in a particular step, it may be necessary for the circuits in that step to share the available facilities. Action to ensure the immediate use of the facilities should be taken, followed by discussion between the District Plant Manager and his Sales co-

ordinate regarding the sharing of facilities. Priority circuits in a particular step are restored according to the alpha subcategory and facilities are shared only when it is impossible to restore all the circuits in the subcategory.

3.08 The diverse routing of circuits marked CRD (Customer Requested Diversity) does not have to be considered during the restoration process. However, priority must be given to reinstating CRD by returning the restored circuits to their assigned facilities at the earliest opportunity.

4. RESTORATION OF OVERSEAS SERVICES

4.01 The landline portion of overseas circuits shall not ordinarily be considered available for restoring failed domestic landline circuits. If the Priorities 1 through 4 requirements of landline circuits cannot be satisfied except by seizure of lower priority or of nonpriority overseas circuits, the concurrence of the Executive Assistant, Overseas Operations, Long Lines Headquarters should be obtained before interrupting the overseas circuits. Eligible landline circuits should be used, when required, for making good a sufficient number of overseas circuits to meet the three levels of message precedence and Priorities 1 through 4 requirements.

TABLE 1

MESSAGE CIRCUITS

Number of Circuits in 2-Way Group	Number of Circuits to Be Restored STEPS		
	1 Flash Emergency	2 Immediate Emergency	3 Priority Emergency
1 through 10	1	2	3
11 through 25	2	4	6
26 through 50	3	6	9
51 through 75	4	8	12
76 and over	5	10	15

TABLE 2

SSN INTERMACHINE CIRCUITS

Name of Network	Percent of Circuits to Be Restored * STEPS			
	1	2	3	4
FTS	-	5%	20%	15%
AUTOVON	5%	15%	20%	5%

*Percentages are cumulative (Example: AUTOVON.)

Step 1 - Restore 5%

Step 2 - Restore an additional 15% for a total of 20%.