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TOLL FREE RESOURCE EXHAUST RELIEF PLANNING GUIDELINES

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INDUSTRY NUMBERING COMMITTEE

TOLL FREE RESOURCE EXHAUST PLANNING GUIDELINES

1. Introduction

This document is to be used for forecasting the months to exhaust of the current toll-free NPAs. The months to exhaust will, in turn, trigger an announcement to the industry of the relief NPA and the date it will be available. All references to number(s) or NPA(s) in this document are toll-free number(s) or NPA(s).

According to Section 2.4, Service Management System For 800 Numbers, of the OBF/SNAC Guidelines toll free numbers fit into one of nine categories:

NNX Not Open	Spare	Reserved
Assigned	Working	Disconnect
Transitional	Suspend	Unavailable

Spare numbers are defined as follows - The 800 Number is available for assignment by a RESP ORG.

The other eight status's for numbers are for those numbers that are unavailable for assignment. This forecast will estimate the months to exhaust of the Spare numbers.

There are two factors used in estimating the months to exhaust. The first is the actual monthly average demand which is provided by the SMS800 Management Team (SMT)[1], or its successor. The second is an estimated monthly accelerated demand which is determined by the OBF SNAC with input from SMT.

The forecast model uses the actual average demand and the estimated accelerated demand to estimate the months to exhaust of the spare numbers.

The SMT will run the forecast model monthly. When the months to exhaust equals 30 months, the SMT will notify the OBF SNAC of the situation. The OBF SNAC will notify the INC, in writing, that the current toll free resource will exhaust within 30 months. The INC will review the OBF SNAC notification and request NANPA: (1) to assign a new toll-free NPA and (2) to announce its availability in 27 months via a NANPA Planning Letter (PL). The INC will provide to NANPA as much detail as possible, e.g., date of implementation, for inclusion in the PL.

Section 2 of these guidelines gives an example of the forecast model using fictitious numbers. Section 3 provides definitions for the items in the forecast model. The items

[1] The SMS800 Management Team (SMT) is comprised of representatives from each of the Regional Bell Operating Companies and is responsible for managing all aspects of 800SMS service.

in the model have one of three sources; they are provided by SMT, provided by the industry, or are derived from two other values in the model.

2. Forecast Model Example

	ITEM	Value Provided by the SMT Report	Value Provided in this Document	Formula	Derived Value
1.	Spare	8,000,000			
2	Average Demand	100,000			
3.	Accelerated Demand		200,000		
4.	Months of Accelerated Demand		10		
5.	Total Quantity of Accelerated Demand			3X4	2,000,000
6.	Average Demand Pool			1-5	6,000,000
7.	Months of Average Demand			6/2	60
8.	Months to Exhaust			4+7	70

Step 1 The quantity of spare numbers provided by SMT is 8,000,000.

Step 2 Average demand as provided by SMT is 100,000 numbers a month.

Step 3 The OBF SNAC with input from SMT has determined that 200,000 should be used as an estimated monthly accelerated demand.

Step 4 The OBF SNAC with input from SMT has also determined that 10 months should be used as the estimated number of months there will be accelerated demand during the remaining months to exhaust.

Step 5 The total quantity of numbers used during the estimated 10 months of accelerated demand is 2,000,000. (10 months X 200,000)

Step 6 The spare numbers minus the total accelerated demand equals the total quantity of numbers used during the months of average demand.
(8,000,000 - 2,000,000 = 6,000,000)

Step 7 The average demand pool divided by the average demand will give the number of months of average demand. (6,000,000 / 100,000 = 60)

Step 8 The number of months of average demand plus the estimated number of months of accelerated demand equals the total months to exhaust. (60 +10 = 70)

Since there is an estimated 70 months to exhaust, the projected announcement date of the new NPA is 40 months away. The new NPA would be available for assignment to REPS ORS 27 months after the announcement date.

3. Explanation of Forecast Model

1. **Spare** - This is a value tracked monthly by SMT.

   Spare = value provided monthly by SMT

2. **Average Demand** - The Average Demand is the actual average demand provided monthly by SMT.

   Average Demand = value provided monthly by SMT monthly

3. **Accelerated Demand** - Accelerated Demand is an estimate provided by the OF SAC with input from SMT of demand for numbers during a month when there is higher than average demand. This number is used to add a factor above average demand such as would be expected as the current resource is exhausting. One method of deriving the accelerated demand is to use historical data. Examples of this are the average of the previous 10 high months or average of the 5 previous high months.

   Accelerated Demand = provided by OBF SNAC with input from SMT

4. **Months of Accelerated Demand** - This is an estimate provided by the OBF SNAC with input from SMT of the number of months there may be accelerated demand as per item 3.

   Months of Accelerated Demand = provided by OBF SNAC with input from SMT

5. **Total Quantity of Accelerated Demand** - This value is derived by multiplying the quantity of accelerated demand by the months of accelerated demand. This will give the total quantity of numbers utilized during the estimated periods of accelerated demand.

   Total Quantity of Accelerated Demand = months of accelerated demand X accelerated demand =

6. **Average Demand Pool** - The average demand pool is the quantity of numbers used during the periods of average demand. This is derived by subtracting the total quantity of accelerated demand from the spare numbers.

   Average Demand Pool = Spare Numbers - Total Quantity of Accelerated Demand

7. **Months of Average Demand** - The months of average demand is derived by dividing the average demand pool by the average demand.

Months of Average Demand = Average Demand Pool / Average Demand

8 . **Months to Exhaust** - The months to exhaust is derived by adding the months of average demand to the months of accelerated demand.

Months to Exhaust = Months of Average Demand + months of accelerated demand

Announcement Date - The announcement date is the date that the industry announces the relief NPA and its availability date. The announcement is triggered when the Months to Exhaust = 30.

Announcement Date = The date that Months to Exhaust = 30

Availability Date - The availability date is the date that the relief NPA will be able to be disable by end users. The availability date is 27 months after the announcement date. The twenty seven month network preparation interval used in this document was developed using the most current information available at the time and is subject to change. This interval should be adjusted as vendors and service providers develop additional network capabilities for activating subsequent toll free NPAs.

Availability Date = Announcement Date + 27 Months