PROPOSAL: RECOMMENDATION AX.121NA

NUMBERING PLAN FOR THE AMATEUR RADIO NETWORK IN NORTH AMERICA

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Introduction -B--0-----

The purpose of this Numbering Plan is to facilitate the introduction of amateur data networks and provide for internetworking in the North American region.

- 1.0 Design Considerations
- 1.1 This proposal does not require, nor preclude, governmental involvement in network administration.
- 1.2 The Regional Numbering Plan should permit the identification of a called country as well as a specific network and station.
- 1.3 The Numbering Plan should provide a consistent addressing format when connection is made with or through commercial telephone networks.(i.e. telephone, telex, data networks.)
- 1.4 A national number assigned to a terminal should be unique within a particular network. This national number should form part of the international number which should also be unique on a worldwide basis.
- 1.5 Specific national numbers should be easily determined.
- 1.6 National Numbers should require minimal administrative overhead to network management and users.

2.0 Numbering System

- 2.1 The 10 digit numeric character set O-9 should be used for numbers (or addresses> assigned to terminals in the amateur network. This principle should apply to both national and international numbers.
- 2.2 Use of the numbering system as outlined in 2.1 will make it possible to interwork with terminals

on public telephone, telex and data networks.

- 3.0 Prefix Codes
- 3.1 The Prefix Code will signify the type of network indicated by the remaining digits.
- 3.2 The Prefix Code will be the first digit and should be coded as follows:
- 0 Amateur Packet Switched Network
- 1 Public Packet Switched Network
- 2 \
- 4 ___ Reserved
- 5 /
- 6 / 7 /
- 8 Telex Network
- 9 Telephone
- 4.0 Data Network Identification Codes
- 4.1 All Data Network Identification Codes shall consist of four digits.
- 4.2 Each country in the region shall use the codes listed below.
- 3020 Canada
 3100 United States of America
 3300 Puerto Rico
 3320 Virgin Islands (USA)
 3340 Mexico
- 5.0 National Number
- 5.1 The National Number shall consist of up to 10 digits.
- 5.2 Each National Number shall be unique within the country.
- 5.3 The National Number shall contain a three digit area code.

- 5.4 This number shall correspond to the area code used in the North American Numbering Plan for Telephone Networks.
- 5.5 Additional addressing information may be provided in an address extension facility containing the amateur callsign and SSID.
- 5.6 If full 10-digit addressing is desired, the number corresponding to the local exchange and subscriber line may be used.
- 5.7 If no number is available or if additional numbers are required they should be assigned using exchange numbers in the range of 000 through 199.
- 5.8 The assignment authority for these exchange and subscriber numbers is limited to the Network Coordinating Agent for that area.
- 5.9 Service Codes 011, 111, 211, 311, 411, 511, 611, 711, 811, 911 are reserved pending definition by the local Network Coordinating Agent.
- 5.10 The exchange code 000 is reserved for internal network administration and assignment authority is limited to the National Network Coordinating Agent.
- 5.11 The exchange code 555 is reserved for internal network administration and assignment authority is limited to the local Network Coordinating Agent.
- 5.12 The exchange and subscriber code 555-1212 is reserved for regional directory service. Assignment authority is limited to the local Network Coordinating Agent.

- 6.0 International Number
 - 6.1 The International Number shall consist of the DNIC and the National Number.
 - 6.2 Each National Amateur Network will be capable of interpreting the first four digits of the International Number. This is needed to facilitate routing between networks.
 - 6.3 The use of the DNIC by stations in transit countries would serve as a ready reference for checking thirdparty traffic-handling requirements.
 - 6.4 The International Number may optionally include a prefix code.

7.0 Formats

7.1 Amateur Network Number Format

P-DDDD-AAA-EEE-NNNN = 15

DDDD-AAA-EEE-NNNN = 14

7.2 Amateur Network Number Format (alternate)

P-DDDD-AAA = 8

DDDD-AAA = 7

Where:

P = Prefix digit

- D = Data Network Identication Code
- A = Area Code
- E = Exchange
- N = Number