

Network Working Group
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The North American Directory Forum
February 1993

NADF Standing Documents:
A Brief Overview

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard. Distribution of this memo is unlimited.

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1. Introduction

The North American Directory Forum (NADF) is a collection of service providers which plans to cooperatively offer a Public Directory Service in North America using the CCITT X.500 Recommendations. Although many groups are working on realizing X.500, the NADF is unique in that it must achieve a cooperative service offered by competing providers.

The purpose of this document is to provide a brief overview of the NADF's Standing Document series. As of this writing, the standing documents are:

No	Title
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SD-0	NADF Standing Documents: A Brief Overview
SD-1	Terms of Reference
SD-2	Program Plan
SD-3	Service Description
SD-4	The Directory Schema
SD-5	An X.500 Naming Scheme for National DIT Subtrees and Its Application for c=CA and c=US
SD-6	Guidelines on Naming and Subtrees
SD-7	Mapping the North American DIT onto Directory Management Domains
SD-8	The Experimental Pilot Plan
SD-9	Charter, Procedures and Operations of the Central Administration for NADF
SD-10	Security & Privacy: Policy & Services
SD-11	Directory Security: Mechanisms and Practicality
SD-12	Registry of ADDMD Names

SD-1 defines the scope of the NADF, whilst SD-2 describes issue of interest to the NADF.

The remaining documents describe the agreements necessary to achieve a cooperative Public Directory Service offered by competing providers. In this context, it should be observed that the NADF relies on X.500(88) to the largest extent possible.

SD-3 contains agreements concerning the Directory "service", e.g., quality of service, whilst SD-4 contains agreements concerning the Directory schema.

SD-5 concerns itself with how a national authority should structure its DIT subtree, and then applies these principles to define the naming scheme for the c=CA and c=US parts of the DIT. The NADF's approach is to divide a national DIT subtree into two portions: the public name-space, which corresponds to information objects having some sort of public recognition (e.g., states, counties, businesses, etc.), and several private name-spaces, each unilaterally managed by a public provider of Directory services. (SD-12 defines the registry of these providers.) Based on the civil standing of an entity, that entity may opt to list as one or more entries in the public name-space. That is, registration, per se, occurs outside of the Directory. This is an important concept as it allows an entity to list where others are likely to search.

SD-6 provides guidelines as to how organizations might wish to organize their private name-space, and also discusses how multi-nationals might choose to list themselves.

SD-7 contains agreements concerning how the DIT is mapped onto multiple DMDs. Knowledge maintenance procedures are absent from X.500(88), and products which support X.500(92) are years away. Further, the competitive relationships between the North American Directory providers invalidate any possibility of a single entity having exclusive management rights to the public name-space. The NADF approach is to cooperatively manage the public name-space by allowing each service provider to provide linkage from the public name-space into their own private name-space. This information is limited to knowledge references and naming links; there is little, if any, payload present. SD-9 discusses how a central authority (termed the CAN) coordinates and disseminates this information. In effect, the CAN publishes a roadmap for North American Public Directory Service.

SD-8 describes agreements reached for the NADF Pilot.

SD-10 describes the NADF policy toward security and privacy. Attachment 1 of SD-10 contains the "User Bill of Rights for entries and listings in the Public Directory". In contrast, SD-11 describes the security facilities available in the Directory, and then specifies which mechanisms which will be used in the Public Directory service.

1.1. Document Availability

At the present time, the NADF standing documents are available only in hardcopy and PostScript form. Since they do not exist in ASCII form, the NADF standing documents can not be distributed as informational RFCs. Following are the various distribution mechanisms available.

1.1.1. Hardcopy

Postal: NADF Secretariat
c/o Rapport Communication
3055 Q Street NW
Washington, DC 20007
US

Tel: +1 202 342 2727
Fax: +1 202 625 4101

E-Mail: Ted Myer <4454742@mcimail.com>

1.1.2. Anonymous FTP

```
host:  ftp.ics.uci.edu
area:  mrose/nadf/
files: sd-*.ps
mode:  ascii
```

1.1.3. Electronic Mail

```
addr:  archive-server@ftp.ics.uci.edu
body:  mimesend mrose/nadf/sd-NN.ps
      (where "NN" is the desired SD)
```

Security Considerations

Security issues are not discussed in this memo.

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