



AMHS Naming

Presented by
James Moulton
AOS-900/ONS



AMHS Naming

- ☞ Naming in AMHS may take 2 values
 - O/R addresses
 - Directory Names
- ☞ Basic AMHS service mandates O/R addresses



AMHS Naming Overview



- ☞ ATN SARPs were modified in June 2001 to define a new Common AMHS Addressing Scheme, and to modify the XF-address format
- ☞ SARPs recommend the Common AMHS Addressing Scheme



AMHS Naming

- ☞ ATN AMHS supports 2 types of names
 - Common MF-addresses
 - XF- addresses
- ☞ XF- addresses are special purpose MF-addresses for AFTN address translation
- ☞ Other MF-addresses may be defined locally



XF- Address

- ☞ Consists of a set of attributes:
- country
 - administration management domain
 - private management domain
 - organization
 - organizational unit name



XF-address Attributes

☞ Country

– C=

- ◆ XX (ITU-T defined non-zoned identifier)
(preferred)

☞ Administration Management Domain

– ADMD=

- ◆ ICAO



XF-address Attributes

☞ Private Management Domain

– PRMD=

- ◆ 1 or 2 char country identifier from ICAO Doc 7910

☞ Organization

– O=

- ◆ AFTN

☞ Organizational Unit

– OU1=

- ◆ AFTN 8 character location identifier



MF-Address

- ☞ MF-Address is the general purpose AMHS addressing scheme
- ☞ A standardized MF-Address for AMHS was adopted at last ATN WG A meeting



AMHS MF-Address



- ☞ C=XX (uses ITU-T approved non-country code for country field)
- ☞ ADMD=ICAO (uses ITU-T approved organization code)



AMHS MF-Address (2)



☞ PRMD=

- AA - first 2 characters of AFTN address as assigned by ICAO, or
- BBBB - four character designator identifying a location as specified in ICAO Doc 7910 (char 1-4 of AF-address)



AMHS MF-Address (3)



☞ PRMD=

- AACCC - first 2 char of AF-address as defined in ICAO Doc 7910 with a 3 letter designator as specified in ICAO Doc 8585 for organizations within a country
- BBBCCC - first 4 char as defined in ICAO Doc 7910 with a 3 letter designator as specified in ICAO Doc 8585 for organizations at a location



AMHS MF-Address (4)



- ☞ O=representing a geographical location
- ☞ OU1=AAAA (4 character of the ICAO location identifier)
- ☞ CN=either:
 - 8 char AFTN address
 - 5 char CIDN user
 - user name



Asia/Pacific AMHS Naming



- Follows the new AMHS MF-address format
- Consistent with approaches from other Regions
- Recommends establishing Regional register