



for further reading

The ICAO as an "ISO identified-organisation" has the competence to register their own Object Identifiers (OIDs). This competence is used to define, among others, AP-titles, AE-qualifiers and Application Context names for ATN applications. The AMHS as one of the ATN applications is subject to such ATN specific registrations.

ATN / AMHS Application-layer naming (see above figure)

Application Process title (AP-title): The presented construction is already adapted to *ground* ATN end systems. The *end-system-id* identifies the "location" of the application process and its ownership of an aeronautical industry organisation (where applicable). The ATN SARPs, SV IV, specify an algorithm for encoding the *end-system-id* as INTEGER value (*n*). The component *app-type* specifies the type of the AMHS system component.

Application Entity title (AE-title): The used *AE-qualifier* is expressed by location- and system-attributes taken from the ATN NSAP address which has been allocated to the ATN end system. (When using an IP infrastructure equivalent definitions have to be made.) Again, the ATN SARPs, SV IV, provides an algorithm for encoding the character sequence as an INTEGER value (*k*).

ICAO competence

AP-title

AE-title

Application Context name: There is no need to list used ASEs as the construction of ATN AEs is defined by the SARPs. The parameter is just used to indicate the current operated version of an AE.

EUR AMHS Profile

The profile simply requests that systems shall possess the capability to configure the above three parameters *AP-title*, *AE-title* and *Application Context Name* (in consideration of their optional use with the ACSE). Concerning parameter values reference is made to the conventions laid down in ICAO Doc 9705 (see below given reference).

Application Context name

EUR AMHS

references

- ICAO DOC 9705-AN/956, SV III, Section 3.1.2.1.5.2 (Upper layer naming and addressing); SV IV, Section 4.3.2 (Application level naming and context definition); SV V, Section 5.4.3.6 (ATN NSAP address format)
- EUR AMHS Manual: Version 2.0, 26/04/2007 - Appendix B (European ATS Messaging Service Profile): Annex N (OSI addressing principles and registered values for AMHS)