.aero Update

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Rome

"To create a structured, open and constantly evolving Internet naming architecture which helps the aviation community to integrate systems and services, and streamline communications within the community and with its partners"

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SITA's heritage and evolution

- Created in 1949, by 11 airlines
- A vision shared with the industry
- Built "proto-Internet"
  - Telex

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History of .aero

Dec-00   .aero is one of seven new TLD selected by ICANN

IATA Passenger services conference agrees on the first secto-0.001 Tc 0.001 Tw 0

Oct-03   Pilot flight status service launched in co-operation with Geneva International
          Airport, service offered to participants of ITU Telecom 2003

Who can register .aero names ?

- airlines and commercial aircraft operators

- airport operators

- air navigation services providers

- aerospace companies

- air freight & air logistics companies

- aviation suppliers and service providers

- … and 12 other aviation groups

4,000 domain names registered by 1,600 members of the community

Dot Aero Council

- Policy advisory body, members represent organisations and associations from key sectors of the community
- Open to new members
- Twice a year face to face meeting
- Regular correspondence
- Consulted in all major policy and development matters
- Promote .aero and its development in their respective communities
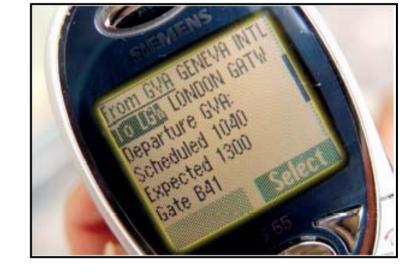- Dedicated task forces to deal with specific topics

- IATA (International Air Transport Association)
- ICAO (International Civil Aviation Organization)
- ACI (Airports Council International)
- CANSO (Civil Air Navigation Services Organization)
- NBAA (National Business Aviation Association)
- FAI (Fédération Aéronautique Internationale)
- FAGSA (Federation of Airline General Sales Agents)
- SITA (Societé Internationale de Telecommunications Aeronautiques)

Example 1: Flight Status Service

- Naming convention to access to flight information for any airport/any airline at anytime from anywhere

- Presentation on web enabled devices like a mobile phone, PDA or a PC

- Information about the flight status, boarding gate etc.

- Special task force set up by DAC agrees domain allocation policy

- In effect, we have allocated domain names to objects

Example 2: Airline business communications

- RP1784 adopted by IATA and ATA members at PSC in Oct 2002
  - Stipulates the use of the two character airline designator and two character office function designator codes on the Internet
  - All two character airline codes already reserved
- Convention for third level domain names
  - Certain names reserved for industry Office Function Designators
- Convention for e-mail addresses
  - using three letter location identifiers and two letter office function designators
  - in conjunction with the two letter airline codes (BA.AERO)
  - Examples:
    - JFKLL@UA.AERO
    - GVAHQ@XS.AERO

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What are we aiming for…

PASSENGERS, INDUSTRY PROFESSIONALS	BUSINESS TO BUSINESS TRANSACTIONS
Names which make sense Names which are simple, short, memorable Names which are easy to guess	Fully predictable structures Can operate systems which discover services/products automatically Easy access to geographically distributed resources

THE COMMUNTY

Stability and secure infrastructure
Clear delegation rules (delegation of a name is delegation of authority)

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Taking aviation from its "proto-Internet" into the real Internet

- Enter names in the zone without or prior to delegation to 3rd parties
  - Enhancing predictability of the name space for the community
  - Building an infrastructure for air transport
  - Demonstration of use by the industry
  - Increasing the awareness of .aero and its developments
- Flexibility to develop specific community uses as necessary
- Introduced only following endorsement by the community through recommendations of the Dot Aero Council
- Once the industry is on the real Internet, the opportunity for all parts of the Internet community will increase

Activation of all airline and airport codes

- Specifically, we seek the ability to load all airline and airport codes to zone file as soon as possible
  - Requested by the community
  - Avoids confusion and conflict
  - Gives equal chances to large and small airlines and airports
  - Facilitates policy development and intra-industry communication

- First step to putting all parts of air transportation on the Internet

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Conclusion

- We believe that our ability to activate infrastructure names directly will:
    - increase the value of .aero to the community and its business partners and users;
    - increase the awareness of .aero in the most efficient manner;
    - benefit the registrars, because delegation will occur at the right time,
    - demonstrate the capability of a sponsored TLDs to innovate;
    - ultimately increase the competitive environment within TLDs.

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