GALILEO

Extending cooperation with non EU countries

Wien, 10 Dezember 2003

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Contents

• Philosophy

• Practice

• Participants
Philosophy

- Global, interoperable, improved services
- For civilians
- Public-Private Partnership

How?

Inclusive approach
Practice 1/2

• Political
  – Cooperation agreements, statements
  – Coordinating positions
  – Information exchange on GNSS policy
Practice 2/2

- Technical
  - Science
  - Training, trials
  - Involvement in definition
  - Involvement in design, development (JU)
  - Involvement in operations (consession)

(applications, system)
International cooperation

- United States
- Russian Federation
- P.R. of China

- Canada
- India
- African states*
- Mediterranean partners*
- Australia
- Brazil
- Colombia
- South Korea
- Ukraine
Case 1: Africa/Indian Ocean
GNSS strategy

• Aviation in lead
• AFI strategy 1999 on GNSS implementation
  – Phase 1: GPS
  – Phase 2: African SBAS
  – Phase 3: GALILEO+GPS+SBAS
• (Yaounde, Cameroon, 23-27 June 2003)
• Background: GNSS feasibility studies 1998-2001
Workplan Phase 2

• 14th ICAO APIRG (June 2003): SBAS will be implemented in African region

• Pre-operational testbed (ESTB trials)
• Operational AFI SBAS system (2007-2008)
EGNOS test activities in support of AFI SBAS Phase 2

• EGNOS tests and trials in Zone A (West Africa) Dakar, Senegal summer 2003
  – No integrity problems, APV 1 compliance
• Tests in Zone B (Southern Africa) first half 2004
• Tests in Zone C (Eastern Africa) second half of 2004
Organisation of work

• ICAO, IATA Nairobi, ASECNA, Egypt, Senegal, South Africa, Nigeria, Tunisia...

• GNSS Africa Implementation Task force
  – March 2004 next meeting
Case 2: Mediterranean partners

- Euro-Mediterranean partnership
- GNSS Training centre (Cairo mtg 2003)
- SBAS extension ca 2005
Summary

• Galileo/EGNOS inclusive, open to international cooperation
• Political instruments and technical/training activities
• Practical examples on all continents