



TREGA PROJECT



A project funded by the European Union

TREGA Intensive All-included Training

Training on EGNOS-GNSS in Africa:

Service Provision, user support and promotion of EGNOS use in Africa

Venue: Giambiagi Lecture Hall, Adriatico Guest House, ICTP, Trieste

19/2/2014 - 11/3/2014

Programme

Wednesday, 19 February 2014

- 09:00 - 10:30** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
EGNOS system Overview (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
EGNOS system Overview (II)
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
EGNOS Mission Requirements and Services(I)
- 15:30 - 15:45** --- Coffee Break ---
- 15:45 - 17:00** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
EGNOS Mission Requirements and Services (II)

Thursday, 20 February 2014

- 09:00 - 10:30** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
EGNOS releases commissioning process
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** Mercedes Reche / *Pildo Labs, Barcelona, Spain*
Evolution of different EGNOS releases

- 12:30 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
EGNOS Service Validation and Certification process (I)
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
EGNOS Service Validation and Certification process (II)

Friday, 21 February 2014

- 09:00 - 10:30 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
EGNOS Operations and Service Provision (I)
- 10:30 - 11:00 --- Coffee Break ---
- 11:00 - 12:30 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
EGNOS Operations and Service Provision (II)
- 12:30 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
Weekly Questionnaire: Questions/Answers (I)
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Mercedes Reche / Pildo Labs, Barcelona, Spain**
Weekly Questionnaire: Questions/Answers (II)

Monday, 24 February 2014

- 09:00 - 10:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS Signal-in-Space structure (Message Types)
- 10:30 - 11:00 --- Coffee Break ---
- 11:00 - 12:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
GNSS receiver installation set up and data logging
- 12:30 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS PVT solution
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Antenna receiver positioning (dual frequency)

Tuesday, 25 February 2014

- 09:00 - 10:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS Data Processing software toolsets (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS Data Processing software toolsets (II)
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS SIS practical cases (I)
- 15:30 - 15:45** --- Coffee Break ---
- 15:45 - 17:00** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
EGNOS SIS practical cases (II)

Wednesday, 26 February 2014

- 09:00 - 10:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
GNSS Performance monitoring and legal recording requirements (ICAO Annex 10) (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
GNSS Performance monitoring and legal recording requirements (ICAO Annex 10) (II)
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
GNSS Monitoring Networks and TREGA Backbone (I)
- 15:30 - 15:45** --- Coffee Break ---
- 15:45 - 17:00** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
GNSS Monitoring Networks and TREGA Backbone (II)

Thursday, 27 February 2014

- 09:00 - 10:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Key Performance indicators: Accuracy, Integrity, Availability and Continuity (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Key Performance indicators: Accuracy, Integrity, Availability and Continuity (II)
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Key Performance Indicators practical cases (I)

15:30 - 15:45 --- Coffee Break ---

15:45 - 17:00 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Local performance assessment and anomaly investigation (accuracy and integrity)

Friday, 28 February 2014

09:00 - 10:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Regional Service Provision preliminary studies and demonstrations (I)

10:30 - 11:00 --- Coffee Break ---

11:00 - 12:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Regional Service Provision preliminary studies and demonstrations (II)

12:30 - 14:00 --- Lunch Break ---

14:00 - 15:30 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Key Performance Indicators practical cases (II)

15:30 - 15:45 --- Coffee Break ---

15:45 - 17:00 **Mathew Churchman / Natali Caccioppoli - Pildo Labs, Barcelona, Spain**
Global performance assessment and anomaly investigation (availability and continuity)

Monday, 3 March 2014

09:00 - 10:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Standard Performance Report (I)

10:30 - 11:00 --- Coffee Break ---

11:00 - 12:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Standard Performance Report (II)

12:30 - 14:00 --- Lunch Break ---

14:00 - 15:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
TREGA backbone practical cases (I)

15:30 - 15:45 --- Coffee Break ---

15:45 - 17:00 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
TREGA backbone practical cases (II)

Tuesday, 4 March 2014

09:00 - 10:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
EDAS (I)

10:30 - 11:00 --- Coffee Break ---

11:00 - 12:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
EDAS (II)

- 12:30 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
NOTAM Service (I)
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
NOTAM Service (II)

Wednesday, 5 March 2014

- 09:00 - 10:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
European FP7 initiatives - Aviation projects (I)
- 10:30 - 11:00 --- Coffee Break ---
- 11:00 - 12:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
European FP7 initiatives - Aviation projects (II)
- 12:30 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Regional initiatives (I)
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Regional initiatives (II)

Thursday, 6 March 2014

- 09:00 - 10:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
EGNOS applications (aviation): Operational implementation in aviation / PBN concept and implementation guidelines (I)
- 10:30 - 11:00 --- Coffee Break ---
- 11:00 - 12:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
EGNOS applications (aviation): Operational implementation in aviation / PBN concept and implementation guidelines (II)
- 12:00 - 14:00 --- Lunch Break ---
- 14:00 - 15:30 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Other EGNOS applications - Maritime, precise agriculture, others (I)
- 15:30 - 15:45 --- Coffee Break ---
- 15:45 - 17:00 **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Other EGNOS applications - Maritime, precise agriculture, others (II)

Friday, 7 March 2014

- 09:00 - 10:30** **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Implementation Plan and strategy
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Market Analysis
Business case
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Weekly Questionnaire: Questions/Answers (I)
- 15:30 - 15:45** --- Coffee Break ---
- 15:45 - 17:00** **Natali Caccioppoli / Pildo Labs, Barcelona, Spain**
Weekly Questionnaire: Questions/Answers (II)

Monday, 10 March 2014

- 09:00 - 10:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Operational enablers (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Operational enablers (II)
- 12:30 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Operational enablers (III)
- 15:30 - 15:45** --- Coffee Break ---
- 15:45 - 17:00** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Operational enablers (IV)

Tuesday, 11 March 2014

- 09:00 - 10:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Installation and Operational Approval (MOPS Requirements, ETSO) (I)
- 10:30 - 11:00** --- Coffee Break ---
- 11:00 - 12:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**
Installation and Operational Approval (MOPS Requirements, ETSO) (II)
- 12:00 - 14:00** --- Lunch Break ---
- 14:00 - 15:30** **Ramon Solé / Pildo Labs, Barcelona, Spain**

Overall assessment: Questions/Answers (I)

15:30 - 15:45 --- Coffee Break ---

15:45 - 17:00 **Ramon Solé / Pildo Labs, Barcelona, Spain**
Overall assessment: Questions/Answers (II)