

European Test Centre for GNSS Receiver Performance EUTERPE

2nd EGNOS Receiver Workshop
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? WHY EUTERPE ? (I)

“The availability of receivers is vital for the success of Galileo and EGNOS”

- ▶ A receiver *SoC* given by a European industry-independent laboratory, will be a major asset for the *introduction of new services*
- ▶ The test center will evolve to a European support *centre of excellence* for GNSS receiver technology
- ▶ Need is clearly shown by the *hundreds of questions* already raised to the EGNOS Helpdesk (many related to receivers) over the past five years

? WHY EUTERPE ? (II)

- ▶ EUTERPE will support:
 - Receiver **manufacturers**
 - Application **developers**
 - And finally the **users**
- ▶ Optionally it could also support on request:
 - **E.C. and Galileo Supervisor Authority**
 - **EGNOS and Galileo Service Operator**



Statement of Compliance



- ▶ The **SoC** against a set of **functional EGNOS capabilities** of the receiver
- ▶ Besides that characterisation of **navigation performance** based on SIS
- ▶ Focus initially on all **non Safety-of-Life** type of receivers
- ▶ **As a starting point** no EMC, vibration, temperature, etc. testing.

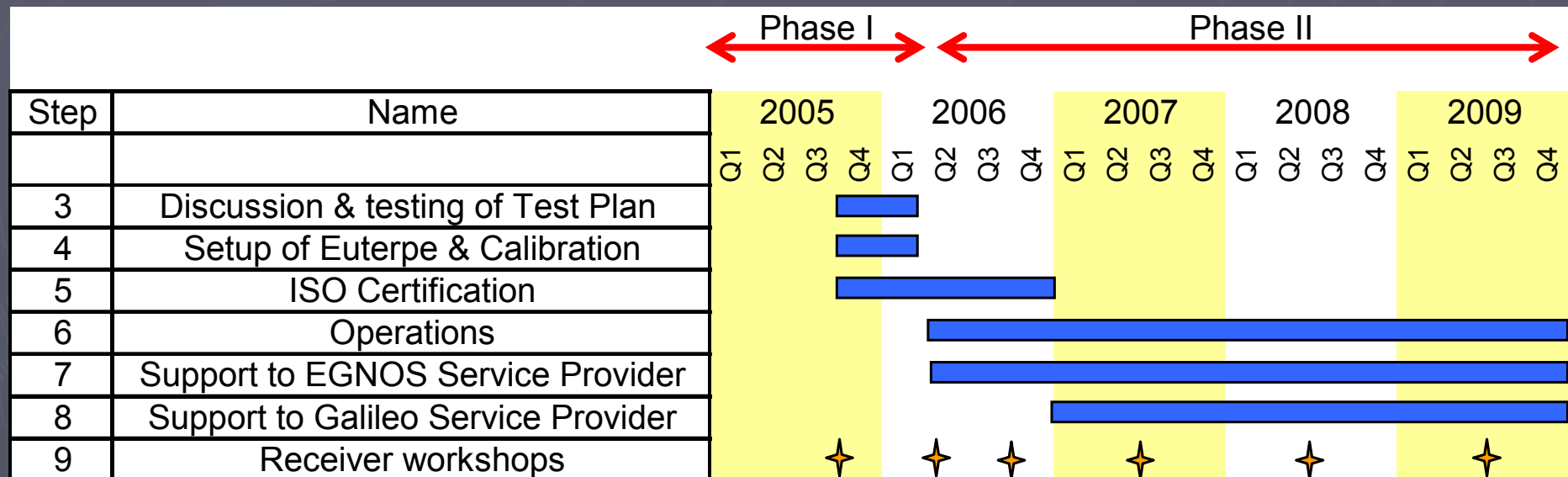
Publication

- ▶ Results of tests will only be published after **agreement** with receiver manufacturer!
- ▶ Manufacturer can use the **stamp** on their products
- ▶ Test results will be published through **ESA internet**
- ▶ An official **Euterpe helpdesk** will be created
- ▶ A (semi)yearly **EGNOS receiver workshop** will be organised

Preparations

- ▶ Establish **agreed test plan and publication means** with volunteering European receiver/chip manufacturers
- ▶ A **dedicated lab area** will be assigned and equipped with necessary simulators and peripherals
- ▶ **ISO 9000 Certification** process will be started and finished in 2006.
- ▶ Test equipment will be **calibrated** on a regular basis

Schedule



Questions to you

- ▶ What is **your need** to have such a test centre?
- ▶ Should Euterpe go into **application specific** tests, like EMC, waterproof, etc.?
- ▶ What is an **acceptable fee** for testing a receiver?
- ▶ When should Euterpe **start operations**?

Conclusions

- ▶ EUTERPE will be a major asset for the successful introduction of Galileo and EGNOS services
- ▶ EUTERPE will become a European industry-independent center of expertise
- ▶ Guaranteed quality of tests
- ▶ Start official operations planned Q2 of 2006