

**United Nations/United States of America International Workshop on  
The Use and Application of Global Navigation Satellite Systems**

**8-12 December 2003, Vienna, Austria**

**Working Group on Training, Education and Awareness Increase**

The developing countries are trying to adopt GNSS technology in various disciplines, however the situation analysis which had been conducted from various sources reveal that the level of knowledge and skills in the use and application of GNSS is extremely low in some Regions/Country and as such the benefits and its applications can never be realized. There for the guide lines to be followed are given:

**SPECIFIC RECOMMENDATIONS**

**Recommendation No. 1.**

To support, organise, celebrate workshops, conferences in different regions.

**Recommendation No. 2.**

To promote and fund the production and publication of GNSS text books, magazines in native languages.

**Recommendation No. 3.**

A programme of exchanging students

**Recommendation No. 4.**

Taking into account the UN REGIONAL TRAINING CENTERS facilities available in Latin America, Africa, and India OOSA is asked to organize specialization courses (9 months) dedicated to GNSS.

**Recommendation No. 5.**

- Curricula development for local regional needs (supporting undeveloped and under transition countries)
- Collection of information about training/teaching opportunities
- Establishing, structurised database of teaching material of various levels: basic, intermediate, specialized, advanced, ....
- Organizing editorial board for development of model teaching materials (books, web-pages, hand-outs, software, etc)
- Distance e-learning via internet, with on-site practical laboratory courses

**Recommendation No. 6.**

To support developing and publishing of basic books in native languages, as well as a website with some introduction materials on GNSS.

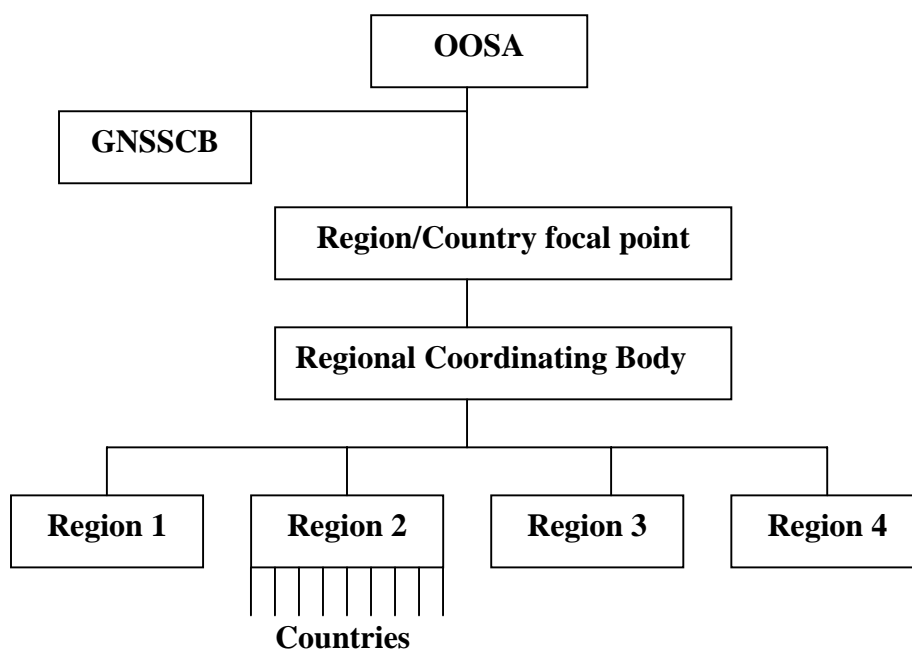
**GENERAL**

**Recommendation No. 7.**

- Structure should be developed at each Region and National levels with the assistance of OOSA
- Guide lines should be developed both for regional and national level to suit the respective countries
- Training programmes i.e. long term (degree level), medium term (6 months duration) and short term (1 to 2 weeks duration) would be organized by OOSA..

- Necessary facilities such as equipment, training material, resource person should be provided at both regional and national level with the help of donor agencies/countries.

## **STRUCTURE**



### *Funding Requirements (for each Region)*

1.	<b>Establishment of the structure</b>	<b>US\$ 500 000 ?</b>
2.	<b>Long Term (4) persons from each Region and (# depends of the Region) persons from countries</b>	<b>US\$ 500 000 ?</b>
3.	<b>Medium Term Training</b>	<b>US\$ 200 000 ?</b>
4.	<b>Short Term Training</b>	<b>US\$ 100 000 ?</b>
5.	<b>Awareness Programme (30)</b>	<b>US\$ 600 000 ?</b>
6.	<b>Training equipment, facilities and material</b>	<b>US\$ 1000 000 ?</b>

### *Implementation Plan (suggestion)*

- |    |                                                                                       |                      |
|----|---------------------------------------------------------------------------------------|----------------------|
| 1. | <b>Approval of project from OOSA</b>                                                  | <b>February 2004</b> |
| 2. | <b>Appointment of Regional focal persons</b>                                          | <b>March 2004</b>    |
| 3. | <b>Appointment of Regional Bodies</b>                                                 | <b>April 2004</b>    |
| 4. | <b>Nomination of national focal point by respective Govt.</b>                         | <b>May 2004</b>      |
| 5. | <b>Planning Meeting by Regional Team</b>                                              | <b>June 2004</b>     |
| 6. | <b>Identification of Institution for Long, Medium and Short Term Training Courses</b> | <b>July 2004</b>     |
| 7. | <b>Awareness programme and Training commence in various countries</b>                 | <b>August 2004</b>   |