

Wednesday, 17 July 2002

Session VI	GNSS Applications to Promote Sustainable Development: Applications in Air and Land Transportation Chairperson: G. Solari (European Space Agency)	
14:00 – 14:30	GNSS for air navigation: US FAA plans and progress	N. Graham (USA)
14:30 – 15:00	IATA's GNSS initiatives in Africa	J. Valiquette (Canada)
15:00 – 15:30	Point positioning of navigation beacons at international airports in Zambia	L. Chunga (Zambia)
15:30 – 16:00	ICAO programmes in Africa	ICAO <i>invited</i>
16:00 – 16:30	<i>Coffee/Tea Break</i>	
16:30 – 17:00	GNSS applications for land transportation: "Automatic Vehicle Location systems"	W. Molla (Saudi Arabia)
17:00 – 17:30	Satellite navigation and positioning systems in Morocco	L. Rasmy (Morocco)

Thursday, 18 July 2002

Session VII	Education and training in the use and applications of GNSS technologies Chairperson: L. Combrick (South Africa) <i>invited</i>	
9:00 - 9:30	GNSS education and training in South Africa	C. Merry (South Africa)
9:30 – 10:00	Capacity building in education and training	A. Bassole (Burkina Faso)
10:00 – 10:30	Training of GPS Surveying at Kenya Institute of Surveying and Mapping (KISM)	M. Kamamia (Kenya)
10:30 – 11:00	<i>Coffee/Tea break</i>	
11:00 – 11:30	Progress of OMNITSAR HP trials in Southern Africa	G. Smith (South Africa)
11:30 – 12:30	Short Presentations by Participants	
12:30 – 14:00	<i>Lunch</i>	
14:00 – 17:00	Topical Discussion Groups	

Friday, 19 July 2002

Session VIII	Wrap-Up Session: Recommendations and Follow-up Actions Chairperson: J. Karner (USA)	
9:00 – 11:00	Reports by the Chairpersons Recommendations and Follow-up Actions	
11:00 – 11:30	Closing Ceremony and Closing Remarks	
11:30	GNSS for Earth science	
10:30 – 11:00	Adjourn	
14:00 – 17:00	Technical Tour	

UNITED NATIONS / UNITED STATES OF AMERICA

WORKSHOP ON

“The Use and Applications of Global Navigation Satellite Systems”

**15-19 July 2002
Lusaka, Zambia**

Hosted by the Government of Zambia
Co-sponsored by the European Space Agency



DRAFT PROGRAMME
VER. 10, 1 July 2002

UN/USA WORKSHOP ON

“The Use and Applications of Global Navigation Satellite Systems”

Programme Committee:

United States Department of State: K. Hodgkins, J. Karner
 Government of Zambia: P. Zambezi, N. Imbuwa
 United Nations: S. Camacho, V. Kotelnikov, M. Gerard

Programme

Monday, 15 July 2002

08:00 – 10:00 **Registration:**
 Mulungushi International Center

10:00 – 11:00 **Opening ceremony:**
 Introductory remarks The Honourable A. M. Chambeshi, MP, Zambia
 Welcome address His Excellency L.P. Mwanawasa S.C., President of Zambia
 Opening statements D. W. Mozena, Charge d’Affaires, Embassy of the United States to Zambia
 M. Tabache, International Affairs, European Space Agency
 V. Kotelnikov, United Nations Office for Outer Space Affairs
 M. Gerard (USA)
 Background, objectives, format of the Workshop

Session I Existing and Future GNSS Systems and Their Applications

Chairperson: P. Zambezi, (Zambia)

11:00 – 11:30 Status and development of the Global Positioning System J. Karner (USA)

11:30 – 12:00 Status and development of Glonass S. Revnivych (Russian Federation) *invited*

12:00 – 12:30 Status and development of Galileo A. Landabaso (European Commission)

12:30 – 14:00 *Lunch*

14:00 - 14:30 Status and development of GPS augmentations R. Hamilton (USA)

14:30 – 15:00 Status and development of EGNOS G. Solari (European Space Agency)

15:00 – 15:30 GNSS strategic opportunities: Potential for exploiting spatial technology and its impact on economic diversification and emerging growth sectors in Zambia R. Moyo (Zambia)

15:30 – 16:00 *Break*

16:00 – 16:30 Overview of current and expected GNSS applications J. Karner (USA)

16:30 – 17:00 GPS information systems H. Skalski (USA)

18:00 – 21:30 Cultural Evening

Tuesday, 16 July 2002

Session II GNSS Applications to Promote Sustainable Development: Management of Natural Resources

Chairperson: S. Averin (Russian Federation) *invited*

09:00 – 09:30 Agricultural information systems using GNSS M. Rasher (USA)

09:30 – 10:00 GNSS for mining and geology F. Njamu (Zambia)

10:00 – 10:30 Using GNSS to manage mountain forest resources in East Africa C. Lambrechts (Kenya)

10:30 – 11:00 *Coffee/Tea break*

Session III GNSS Applications to Promote Sustainable Development: Environmental Monitoring and Disaster Management

Chairperson: A. Bassole (Burkina Faso)

11:00 – 11:30 Preliminary report on geodetic measurements in the Kenyan Rift Valley M. Kamamia (Kenya)

11:30 – 12:00 Satellite communications for disaster warning and emergency services A. Leyrer (Austria)

12:00 – 12:30 Using GNSS technology for the monitoring of parks and animal tracking C. Beech (South Africa)

12:30 – 14:00 *Lunch*

Session IV GNSS Applications to Promote Sustainable Development: Surveying, Mapping and Earth Sciences

Chairperson: K. Owolabi (Namibia)

14:00 – 14:30 Status of CODI and implications for SDI geodetic developments in Africa C. Ezigbalike (Ethiopia)

14:30 – 15:00 International GPS Service: Global GNSS framework R. Neilan (USA)

15:00 – 15:30 Progress status on the African Reference Frame (AFREF) M. Chodota (Kenya)

15:30 – 16:00 *Coffee/Tea break*

16:00 – 16:30 Plans for realizing SAREF – Reference frame in Southern Africa R. Wonnacott (South Africa)

16:30 – 17:00 Status of NAREF activities since 2000 – Reference frame in Northern Africa M. Unis (Libya)

17:00 – 17:30 International boundary surveys in Zambia: Integrating regional spatial data infrastructure using GPS technology D. Mubanga (Zambia)

Wednesday, 17 July 2002

Session V GNSS Applications to Promote Sustainable Development: Surveying, Mapping and Earth Sciences (Continued)

Chairperson: C. Ezigbalike (Ethiopia)

09:00 – 09:30 The IGS Station and its role in land delivery in Zambia P. Nsombo (Zambia)

09:30 – 10:00 GPS networks in Egypt S. Mahmoud (Egypt)

10:00 – 10:30 GNSS for Earth science T. Herring (USA)

10:30 – 11:00 The gravity connection to GNSS applications C. Merry (South Africa)

11:00 – 11:30 *Coffee/Tea break*

11:30 – 12:30 **Topical Discussion Groups**

12:30 – 14:00 *Lunch*