

Impact of new approaches to spectrum management on specific categories of users

Geneva

17 February 2004

What new approaches seek to achieve

- Yield benefit for national economy, consumers and citizens
 - Use by those who value it most for uses that offer most value
- Liberalisation of spectrum use
 - Flexibility regarding
 - change of use and
 - Change of ownership
- Ease introduction of innovation services/technologies
 - Greater choice and competition
- Increase spectrum efficiency
- Light administrative procedures and use of market mechanisms

Concerns of international satellite networks and services

- Fragmentation of internationally harmonised spectrum
- Future harmonisation allowing new broadband services
- Interference issues across borders
- International co-ordination procedures
 - Jeopardy of co-operative spirit
 - Hoarding of spectrum
- Ensure environment that is conducive to investment
- Value of services with social benefit on global scale

ITU and spectrum management

- ITU Radio Regulations
 - Procedures for international allocations and coordination
 - Status of Treaty obligations but no enforcement
 - Further technical rules set out in non-binding ITU-R recommendations
- However, countries can allocate spectrum in non-conform way
 - Provided no harmful interference is caused
 - No protection

Particular case of L-band MoU

- Recognised congestion and shortage for MSS at L-band
 - Operators need to use spectrum efficiently
 - Administrations of 8 L-band networks entered into two regional MoUs
- MoUs developed under ITU frequency co-ordination RR procedures
- Yearly meeting to agree on spectrum plans that accommodate short term spectrum requirements of real operational networks
- Satellite networks protected against interference and do not cause unacceptable interference to other satellite or terrestrial networks

Conclusion

- Even with introduction of new methods, the international co-ordination procedure needs to be adhered to
- Satellite systems use spectrum efficiently
- There is a high degree of sharing between satellite systems
 - Change of use (e.g. introduction of terrestrial system) impact on a multitude of satellite systems
- Inclusive procedure to allow new systems
- Achieves already what new methods seek to introduce
- **DON'T MEND WHAT IS NOT BROKEN**