

Meeting at EADS Manching, Germany, on Point 2.12 of the WRC'2007 Agenda

The German Society of Telemetry called a meeting at EADS in Manching, Germany on 12 March, 2003.

Those attending represented DLR, EADS, EUROCOPTER and Test Range WTD-61.

Agenda

- 1.) Present situation of spectrum allocation for aeronautical telemetry in Germany
- 2.) Estimate of future requirements for wideband telemetry
- 3.) Draft letter to the Chairman of national (German) preparation of WRC 2003 in support of preliminary WRC'2007 agenda item 2.12.

Conclusion

1.) At present, only 20 MHz of spectrum in the S-Band have been allocated on a permanent base. Other 40 MHz were assigned on demand for a limited period of time (one to two years). 20 MHz of spectrum is still used in the L-Band, but will soon be soon. Consequences of the present restrictions are : two manned carriers, one UAV or one wideband sensor each, can be tested at the same time only. This results in : frequency diversity being non-applicable; a likelihood that the integrity and quality of data may suffer; additional logistic problems in tests; resultant time delays; higher final costs.

2.) Future programs will be more complex and need additional spectrum, e.g. due to higher resolution of sensors and the need to test up to three carriers simultaneously. Based on the present knowledge of coming programs a future band for aeronautical telemetry should comprise at least 150 MHz of spectrum, in the frequency range below 5 GHz preferably. International harmonization is essential, as most of the projects are carried out in international cooperation with the additional use of foreign test ranges.

3.) A letter to the Chairman of the national preparation for the WRC 2003 was drafted, explaining the need for future spectrum to support aeronautical tests and make a case for keeping point 2.12 on the final WRC 2007 agenda.