

Digital Single Market

Radio controlled road use

Team responsible

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Radio spectrum has a major role in tomorrow's transport systems: particularly applications that use radio-based technologies in road vehicles. These technologies can help vehicles communicate with roadside transmitters; and support sensing systems to make vehicles safer, more efficient and nicer to drive.

Increasing vehicle safety and cutting road deaths are major goals of EU transport policy. In particular two significant developments in information and communications technologies are helping achieve this goal – both of which require the appropriate radio frequencies to be available:

- First, the [Intelligent Transport Systems and Services](#) [2] (ITS) concept allows vehicles to communicate with each other and with road infrastructure, giving drivers information critical to safety - and perhaps intervening to prevent or mitigate dangerous incidents.
- Second, [short-range radar systems](#) [3] are being developed and deployed to sense other vehicles and structures. Again these can provide safety information to drivers or intervene when they detect danger.

More information

- The [public consultation / call to stakeholders](#) [4] for their views on the proposed amendment to Commission Decision 2005/050/EC (Short Range Radars - SRR) was published on 14 December 2010.
- Commission Communication [COM\(2007\)541](#) [5], "Towards Europe-wide Safer, Cleaner and Efficient Mobility: The First Intelligent Car Report".
- Commission Decision [2005/50/EC](#) [6] of 17 January 2005 on the harmonisation of the 24 GHz range radio spectrum band for the time-limited use by automotive short-range radar equipment in the Community
- Commission Communication [COM\(2003\)542](#) [7] on "Information and Communications Technologies for Safe and Intelligent Vehicles"
- [Get involved](#) [8]

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[1] https://ec.europa.eu/info/departments/communications-networks-content-and-technology_en

[2] <https://ec.europa.eu/digital-single-market/en/content/cars-communicate>

[3] <https://ec.europa.eu/digital-single-market/en/content/radar-your-car>

[4] https://ec.europa.eu/digital-agenda/sites/digital-agenda/files/srr_public_consultation.pdf

[5] <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2007:0541:FIN:EN:PDF>

[6] <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32005D0050:EN:NOT>

[7] <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2003:0542:FIN:EN:PDF>

[8] <https://ec.europa.eu/digital-single-market/en/how-get-involved-eu-radio-spectrum-policy>