



To eSafety Communications WG

The communications Standards for ITS wireless media, and their status as at October 2005, is listed below

Type	Frequency range	Reference	Status
Cellular/GPRS		GSM	Approved but still being extended. Ubiquitous implementation but not all features operational in all instantiations
Cellular/3G		3GPP	Approved but still being extended
CEN DSRC		EN 12384, EN 12795, EN 15625	Approved. Conformance Standards currently being developed in ETSI. NOTE. This is a point communication, not a continuous communication
CALM via Cellular/GPRS		ISO 21212	CD Approved in DIS Ballot
CALM via Cellular/3G		ISO 21213	CD Approved in DIS Ballot
CALM via Infra Red		ISO 21214	Approved International Standard. Does not require spectrum regulation change
CALM via 5 GHz		ISO 21215	Developed linked with development of IEEE802.11P. Largely developed. WIP SRD completed by ETSI and 20 MHz band allocation requested from CEPT
CALM via 60 GHz		ISO 21216	Work in Progress. SRD largely developed (final mods) after which it will go to CEPT for band allocation 62-63 GHz (2 GHz allocation)
CALM via Mobile Wireless Broadband –IEEE 802.20		ISO 25111	Work in progress
CALM via Mobile Wireless Broadband –IEEE 802.16		ISO 25112	Work in progress
CALM via Mobile Wireless		ISO 25113	Work in progress



Broadband – HC-SDMA		
CALM via ISO 15628		Work in Progress. This will provide legacy system access for DSRC technology, Italian DSRC, Japanese DSRC (indeed any media that can comply to ISO 15628
CALM PAN Access		Work in Progress. Will provide Bluetooth type link with vehicle
CALM via 802.11 b/g		Work under consideration
Other linked Standards		
CALM Architecture	ISO 21217	Approved CD en route for DIS ballot
CALM Networking	ISO21210	Approved CD being enhanced before DIS ballot
CALM Lower Layer SAPs	ISO 21218	Work in progress
CALM Interface Manager	ISO 24102	Work in progress
CALM Application Manager	ISO 24101	Work in progress