

# Emergency communications in amateur and non-amateur radio service

## in Europe

Country	Emcom organiza-tion	indi-pen-dent? *)	IARU Association	URL	used frequencies		supported organizations, cooperation with?	notice	contact
					amateur	non-amateur			
Austria	A.R.E.N.A.	no	OeVSV	<a href="http://arena.oevsv.at">http://arena.oevsv.at</a>	yes	no	Actual no general agreements with public authorities or civ.prot. agencies or NGO's.	Part of OeVSV, cooperation with officials only regional, non-organized groups of OeVSV. Actually no official agreements with federal agencies.	emcom@oevsv.at
Austria	SKKM	yes	x	<a href="http://www.bmi.gv.at/cms/BMI_Zivilschutz/mehr_zum_thema/SKKM.aspx">http://www.bmi.gv.at/cms/BMI_Zivilschutz/mehr_zum_thema/SKKM.aspx</a>	yes	yes	Serviced agencies are: Austrian Red Cross, Die Johanniter, ministry of interior, federal disaster management and disaster management authorities in the countries.	Dedicated hf-radio network on special frequencies with special call signs. It's a fallback system for voice and data (WL2k-compatible) if the normal communication is unavailable or massive restricted. Frequencies are not public.	X
Belgium	B-EARS	no	UBA	<a href="http://www.uba.be/fr/uba/b-ears">http://www.uba.be/fr/uba/b-ears</a>	yes	no		Since 2009 part of UBA (natl. Amateur radio association).	b-ears@uba.be
Cech	?	?		?	?	?	?	<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b>	?
Croatia	RMZO (ex HRSVKS)	yes	(HRS)	<a href="http://www.hrsvks.com">http://www.hrsvks.com</a>	yes	yes **)	Commissioned directly by the central disaster management agency (DUZS) and the croatian Red Cross (CRC).	Partly equipped by DUZS. Operating the CEN (croatian emergency network) on hf-radio with ALE. Active on 5 MHz also.	info@hrsvks.com
Cyprus	CARES	?	CARS	<a href="http://www.cyhams.org">http://www.cyhams.org</a>			?	<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b>	cars@cyhams.org
Denmark	?	?	DER	<a href="http://www.edr.dk">http://www.edr.dk</a>	?	?	?	<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b>	
Finland	(TURVA)	no	SRAL	<a href="http://www.sral.fi/turva">http://www.sral.fi/turva</a>	yes	no		TURVA is part of a volunteering unit in MPK, but not yet established as a independant and registered group, but planned. Actually every emcomm activity is done unter SRAL.	yyri.putkonen@kolumbus.fi
Finland	VAPEPA	yes			yes	no	Agreement with the ministry of interior (rescue and fire fighting section).	Organization of emcomm groups led by the Finnish Red Cross. SRAL is a member. Alerted by the natl. 112-response-centers.	
Finland	MPK	yes		National (Volunteering) Defence Training Association of Finland.	yes	yes	Agreement with the finsih defence forces to use facilities and equipment for training.	More military oriented emcomm training and activities.	

France	FNRASEC	yes	?	<a href="http://www.fnrasec.org">http://www.fnrasec.org</a>	yes	no	Commissioned directly by the national civil protection authority (Securite Civile). Support centers - called A.D.R.A.S.E.C. - in all provinces.	<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b> New president since oct. 2012: Daniel LUCCI, F5MDO	president@fnrasec.org
Germany	DARC-Notfunkref.	no	DARC	<a href="http://www.darc.de/notfunk">http://www.darc.de/notfunk</a>	yes	no	Actual no agreements with public authorities or civ.prot. agencies or NGO's.	No collaboration with 'Notfunk-Deutschland' (rivalry).	dj9oz@darc.at
Germany	Notfunk-Deutschland	yes	DARC	<a href="http://www.notfunk-deutschland.de">http://www.notfunk-deutschland.de</a>	yes	no	Contracts with parts of the German Red Cross, mainly in Hessen only.	Actual no collaboration with DARC.	info@notfunk-deutschland.de
Great Britain	RAYNET	yes	RSGB	<a href="http://www.raynet-uk.net">http://www.raynet-uk.net</a>	yes	no	Complement and backup of official and public telecommunication systems in disaster situations.	Part of the national civil protection plan!	?
Greece	HARES	no	RAAG	<a href="http://www.hares.gr">http://www.hares.gr</a>	yes	no	Supports the civ.prot. authorities with amateur radio as backup.	Official position and working desk inside the main headquarters and inside the operation departments of governmental EmCom of Greece.	Fax: +30 212 213 0113
Holland	DARES	yes	VERON	<a href="http://www.dares.nl">http://www.dares.nl</a>	yes	no	Agreement with the national civil protection authority.	Fix embedded in the national concept of civil protection. Working with operator-owned equipment on amateur frequencies only.	via website only!
Hungary	?	?	MRASZ	<a href="http://www.mrasz.hu/english/index.html">http://www.mrasz.hu/english/index.html</a>	?	?	No activities or organizational issues in emcomm registered on the website.	<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b>	?
Ireland	Raynet-Ireland	yes		<a href="http://www.raynetireland.org.uk/">http://www.raynetireland.org.uk/</a>	yes	no	Complement and backup of official and public telecommunication systems in disaster situations.	Activ in the boarder areas to GB (Northireland) in collaboration with Raynet-UK. Part of natl. Civ.prot.plan.	info@raynetireland.org.uk
Irland	AREN	no	IRTS	<a href="http://aren.ie/news/about/">http://aren.ie/news/about/</a>	yes	no	Complement and backup of official and public telecommunication systems in disaster situations.	Part of IRTS and of natl. civ.prot.plan. Aprox. 30 members only.	ei7ig@aren.ie
Italy	RNRE	yes	ARI	<a href="http://www.rmre.eu">http://www.rmre.eu</a>	yes	no	Commissioned directly by the Dipartimento Nazionale Protezione Civile.	Partly equipped by DNPC. Locations throughout Italy. Members are the mostly small regional emcom groups in Italy as well as individuals.	segreteria@rmre.eu coordinamento@rmre.eu
Malta	MARL	no	MARL	<a href="http://www.9h1mrl.org/EmComTeam.htm">http://www.9h1mrl.org/EmComTeam.htm</a>	yes	no	Commissioned directly by the Civil Protection Department (CPD)	MARL-Emcom OP's are accepted as NGO and have to backup the public communication in large or crisis events.	?

Norway	NRRL	no		<a href="http://nrri.no/sambandstjenesten">http://nrri.no/sambandstjenesten</a>	yes	yes	Commissioned directly by the Life-Science-Forum (FORF)	NRRL is a member of the volunteer organization Life Science Forum (FORF), a union of NGO's serving the norwegian public.	sambandstjenesten@nrri.no
Poland	SP-EMCOM	no	PZK	<a href="http://emcom.pzk.org.pl/">http://emcom.pzk.org.pl/</a>	yes	no	Existing agreement with the governmental departement of civil protection since 1999.	Upcoming negotiations with the government for the intensification of cooperation in emcom. As an result 'SP-EMCOM' is part of the new formed 'National Network for Crisis Communication' called "SPEC". UPDATE May 2013: <a href="http://www.southgatearc.org/news/june2013/ham_radio_emergency_communications_in_poland.htm">http://www.southgatearc.org/news/june2013/ham_radio_emergency_communications_in_poland.htm</a>	sq6iy@pzk.org.pl
Portugal	SCERA	no	REP	<a href="http://www.rep.pt/scera/">http://www.rep.pt/scera/</a>	yes	no	Commissioned directly by the national department of covil protection.	This group have signed agreements of cooperation with Civil Protection of Portugal and participate in regular exercises.	?
Slovakia	A.R.E.S.	no	SARA	<a href="http://www.szr.sk/ares/ENG/index.htm">http://www.szr.sk/ares/ENG/index.htm</a>	yes	no	Supports the civ.prot. authorities with amateur radio as backup.	Structured organisation of A.R.E.S. in all parts of Slovakia, but unstructured members without any special training and exercises.	ares@cq.sk
Slovenia	?	?						<b>ACTUALLY NO FEEDBACK UNTIL NOW!</b>	?
Spain	REMER	yes	UBE	<a href="http://www.proteccioncivil.org/remer">http://www.proteccioncivil.org/remer</a>	yes	yes	Commissioned directly by the ministry of interior, dept. for civ.prot.	REMER (Red Radio de Emergencia) is the official emcom support unit with tasks throughout the country in 41 regions.	?
Spain	GRT	yes	?	<a href="http://www.proteccioncivil.net/pages/12-grup--radio-transpirenaic-grt.html">http://www.proteccioncivil.net/pages/12-grup--radio-transpirenaic-grt.html</a> <a href="http://ts3lleida.ucoz.com/">http://ts3lleida.ucoz.com/</a>	yes	no		Active only in few regions of Spain.	?
Sweden	FRO	yes	SSA	<a href="http://www.fro.se">http://www.fro.se</a>	yes	yes	Supports the civ.prot and homeland security in collaboration with SSA.	Volunteer unit within the swedish army. Using FRO assigned frequencies as well as amateur frequencies.	fro@fro.se
Switzerland	IG-Notfunk	no	USKA	<a href="http://www.uska.ch/index.php?id=notfunk">http://www.uska.ch/index.php?id=notfunk</a>	yes	no	Few agreements with part of USKA in few swiss counties only.	Supports only regional independent counties. Actually no general solution, but highly sought.	emergency@uska.ch
Turkey	TRAC	no	TRAC	<a href="http://www.trac.org.tr">http://www.trac.org.tr</a> <a href="http://rientola.fi/oh3ag/garec/Documents2006/Presentation_Turkey_1.ppt">http://rientola.fi/oh3ag/garec/Documents2006/Presentation_Turkey_1.ppt</a>	yes	no	Direct collaboration with the civil defense authorities. Supports the natl. Red Cross - Red Crescent societety.	Experiences at various deployments in earthquake situations as well as intl. exercises at home and abroad. Partly equipped by civ.prot.	?

**worldwide**

Australia	RECOM	yes	x	<a href="http://www.wia.org.au/members/emcom/recom/">http://www.wia.org.au/members/emcom/recom/</a>	yes	no	Radiocommunications arm of the Australian Red Cross	The service will be handled by only 13 volunteer op's nationwide. Operating via Pactor, provides only long-range links via hf-radio in amateur radio bands for the RC.	?
Australia	EMCOMNET	yes	WIA	<a href="http://www.wia.org.au/newsevents/news/2011/20110830-1/index.php">http://www.wia.org.au/newsevents/news/2011/20110830-1/index.php</a>	yes	no	Red Cross and other requiring agencies.	Association of RECOM and parts of WICEN. Does the service for all authorities and institutions. Using the existing infrastructure of RECOM.	
Australia	WICEN	yes	x	<a href="http://www.wicen.org.au">http://www.wicen.org.au</a>	yes	no	Several authorities in parts of Australia.	Direct collaboration under the disaster management plan in some parts of Australia.	
Brazil	RENER	yes	x	<a href="http://rener-sm.blogspot.com/">http://rener-sm.blogspot.com/</a>	yes	?	Red Cross and Defesa Civil in Brazil.	Not nationwide, but in areas with higher population density. Maybe new setting up in the near future.	
Canada	CFARS	yes	x	<a href="http://cfars.ca">http://cfars.ca</a>	yes	yes	Volunteer emergency communications service for Canadian Forces and governmental agencies national and abroad.	Similar to MARS in the USA. Growing more and more to a backup system with several voice and data networks. Main focus is the area north of lat 60°. Operated by volunteers for the Canadian Forces. The op's are mainly non military personnel.	
Canada	ARES	no	RAC	<a href="http://www.rac.ca/en/rac/public-service/ares/">http://www.rac.ca/en/rac/public-service/ares/</a>	yes	no	Acts as a liaison organization and consultatory body to municipal, provincial and federal governments and ist appropriate departments in matters concerning the Amateur Emcom Service.	ARES is an embedded part of the natl. IARU member RAC. Coordination with CFARS on amateur frequencies.	
India	NIAR	no	NIAR	<a href="http://www.niar.org/">http://www.niar.org/</a>	yes	no	Supports all levels (municipal, regional, federal) of disaster management.	The service is provided on amateur radio bands with amateur radio operators in case of disasters.	
Phillipines	PARA	no	HERO	<a href="http://www.para.org.ph/EmComm.htm">http://www.para.org.ph/EmComm.htm</a>	yes	no	The serviced agency is the 'National Disaster Risk Reduction Management Council' (NDRRMC) under terms of an agreement.	The service is provided on amateur radio bands with amateur radio operators in case of disasters.	?
South Africa	HAMNET	no	SARL	<a href="http://www.sarl.org.za/public/hamnet/hamnet.asp">http://www.sarl.org.za/public/hamnet/hamnet.asp</a>	yes	no		Close collaboration with official civil protection authorities under agreements.	?
Thailand	RAST	no	RAST	<a href="http://www.qsl.net/rast/">http://www.qsl.net/rast/</a> <a href="http://www.rast.or.th/">http://www.rast.or.th/</a>	yes	no			

USA	ARES	no	ARRL	<a href="http://www.arrl.org/emergency-communications">http://www.arrl.org/emergency-communications</a>	yes	no	Close collaboration with FEMA in all states and other agencies.	Many agencies and NGO's are serviced. ARES has strong structures and several levels of additional education and training. Well accepted in the society as a public communication service in disasters and beyond.	
USA	RACES	yes	x	<a href="http://www.usraces.org/">http://www.usraces.org/</a>	yes	no	Close collaboration with FEMA in all states and other agencies.	RACES stands for "Radio Amateur Civil Emergency Service," a protocol created by the Federal Emergency Management Agency (FEMA) and the Federal Communications Commission. A non growing org.	
USA	SHARES	yes	x	<a href="http://www.ncs.gov/shares/index.html">http://www.ncs.gov/shares/index.html</a>	no	yes	Public and private agencies. Aprox. 160 members, including MARS, Red Cross, federal depts and private companies, etc.	Closed hf network on dedicated frequencies.	
USA	MARS	yes	x	<a href="http://www.netcom.army.mil/mars/">http://www.netcom.army.mil/mars/</a> <a href="http://navymars.org/">http://navymars.org/</a> <a href="http://www.marsregionone.org/index.html">http://www.marsregionone.org/index.html</a> <a href="http://www.marsregionone.org/InterOps/Tri-Svc.html">http://www.marsregionone.org/InterOps/Tri-Svc.html</a>	no	yes	US-Army, Air Force und Marine. Sponsored by US-American Forces.	Worldwide hf-radio network in voice and pactor for non-military (private, health&welfare) traffic in the US-army, navy and air force. Dedicated frequencies and callsigns. Nowadays focussing on disaster communications worldwide.	

**Remarks:**

\*) means independant from the natl. IARU society.

\*\*\*) including 5 MHz amateur radio frequencies.

In almost all the surveyed countries amateur radio service is highly accepted and included as a qualified service in the natl. emcom plan, supporting federal civil defense or disaster management. Whether embedded or standalone, there are agreements about the nature of collaboration.