

5. Tasks, Staffing and Funding

5.1 Services

Provided by NREN	✓
Outsourced	O
Not Provided	X
Other	other

Table 5.1.1 Services Provided

Country	NREN	Basic IP Provision	User Support	NOC	Directory Services	Security Incident Response	PKI/CA	Annual Conference
Austria	ACOnet	✓	✓	✓		✓		
Belgium	Belnet	✓	other	O	X	✓	✓	X
Denmark	UNI•C	✓	✓	✓	X	✓	X	✓
Finland	FUNET	✓	✓	✓	X	✓	X	✓
France	RENATER	O	✓	O	X	✓	X	other
Germany	DFN	✓	✓	✓	O	O	O	✓
Greece	GRNET	✓	O	O	O	O	O	✓
Iceland	RHnet	✓	O	O	X	✓	X	
Ireland	HEAnet	✓	✓	✓	X	O	✓	✓
Italy	GARR	✓	✓	✓	X	✓	✓	✓
Luxembourg	RESTENA	✓	✓	✓	✓	✓	X	X
Netherlands	SURFnet	✓	X	O	O	✓	O	X
Norway	UNINETT	✓	✓	✓	✓	✓	X	✓
Portugal	FCCN	✓	✓	✓	X	✓	X	✓
Spain	RedIRIS	✓	✓	✓	✓	✓	✓	✓
Sweden	SUNET	✓	other	O	O	O	O	✓
Switzerland	SWITCH	✓	✓	✓	✓	✓	✓	✓
United Kingdom	UKERNA	✓	✓	✓	O	✓	other	✓
Bulgaria	IST Foundation	✓	✓	✓	other	✓	X	✓
Cyprus	CYNET	✓	✓	✓	X	✓	X	X
Czech Republic	CESNET	✓	✓	✓	✓	✓	✓	other
Estonia	EENet	✓	✓	✓		✓		
Hungary	HUNGARNET	✓	✓	✓	✓	✓	other	✓
Latvia	LATNET	✓	✓	✓	✓	✓		
Latvia	LANET	✓	✓	✓	✓	✓	X	X
Lithuania	LITNET	✓	✓	✓		✓		✓
Poland	PSNC (POL34)	✓	✓	✓	✓	✓	✓	✓

Provided by NREN	✓
Outsourced	O
Not Provided	X
Other	other

Country	NREN	Basic IP Provision	User Support	NOC	Directory Services	Security Incident Response	PKI/CA	Annual Conference
Romania	RoEduNet	✓	✓	✓	✓	✓		✓
Slovakia	SANET	✓	✓	O	✓			✓
Slovenia	ARNES	✓	✓	✓	✓	✓		
Turkey	ULAKBIM	✓	✓	✓	✓	✓		other
Algeria	CERIST	✓	✓	✓				
Azerbaijan	(AzNET)	O	✓	✓	✓	✓		✓
Azerbaijan	AzRENA		✓	✓	✓			
Belarus	(BASNET)	✓	✓	✓	X	X	X	✓
Bosnia & Hercegovina	BIHARNET	✓	✓		✓	✓		
Croatia	CARNet	O	O	O	O	✓	X	✓
Georgia	GRENA	✓	✓	✓	X	X	X	
Israel	IUCC	✓	other	O	other	✓	X	X
Jordan	NIC	✓	✓	✓	✓			
Kazakhstan	KazRENA	✓	✓	✓	✓	✓	✓	O
FYRo Macedonia	MARNet	✓		✓				
Moldova	RENAM	✓	✓			✓	X	✓
Morocco	MARWAN	O	✓	O	X	✓	X	✓
Palestine	GCC	✓	✓	✓	X	✓	X	✓
Russian Federation	RIPN	✓	✓	✓	✓	✓	✓	X
Russian Federation	FREEnet	O	O	✓	O	other	X	X
Serbia & Montenegro	AMREJ	✓	✓	✓	✓	✓	✓	
Syrian Arab Republic	SHERN	✓	✓	✓	X	X	X	
Ukraine	URAN	✓	✓	✓	✓			
Uzbekistan	UzSciNet	✓	✓	✓				

Table 5.1.2 Services Provided

Country	NREN	Peer to peer Services	ccTld	DNS for MANs	Looking Glass	IETF	RIPE
Austria	ACOnet		Operation of DNS and registry DB		yes, via VIX	participation	participation
Belgium	Belnet	Investigating MPLS VPN service offering in 2003	BELNET is on the Board of DNS .BE	Official agent of DNS.BE	yes	no	participant
Denmark	UNI•C			Running Service	Running Service		Passive member
Finland	FUNET	videoconferencing		Support customers	Operate a service at http://www.csc.fi/suomi/funet/noc/looking-glass/	Our employer is active in IETF.	We attend RIPE meetings and take part in some working groups like anti-spam, test traffic, netnews, dns, ipv6.
France	RENATER		RENATER is involved in ICANN with Dany Vandromme member of the NCDNHC Administrative Committee (Non Commercial Domain Name Holder Constituency of the DNSO – Domain Name Supporting Organisation) and Sabine Jaume-Rajaonia member of the Address Council of the ASO (Address Supporting Organisation). Both are also active in the AFNIC international Working Group (.fr name holder).			RENATER sends 1 engineer to IETF meetings.	RENATER sends average 3 people to every RIPE meeting and is especially active in the Working groups on : EIX (European Internet Exchange), LIR (Local Internet Registry), Ipv6.
Greece	GRNET				http://netmon.grnet.gr/lg.shtml		GRNET participates in RIPE working groups.
Ireland	HEAnet	End-to-end	no	none	Yes http://www.heanet.net/looking-glass	none	We take part in RIPE meetings and working groups, especially the LIR WG, Netnews, Anti-spam, EOF, Ipv6, Routing and Test Traffic. Dave Wilson of our staff is chairman of the Netnews WG.
Italy	GARR	e2e MBS in the form of a mixture of ATM overprovisioning and QoS	Yes. The Registry of ccTLD “it” is managed by IAT-CNR, which is one of the GARR member organisations. The Italian Naming Authority (the ruling body for ccTLD “it”) has many members belonging to GARR organisations, and its current president also belongs to GARR	GARR is the “maintainer” of all domains belonging to GARR organisations.	GARR Noc provides one http://www.noc.garr.it/lg.php	GARR members also regularly attend IETF meeting and WGs, like Ipv6, internet fax, messaging, routing, and chair some of them	GARR members also regularly attend RIPE meeting and WGs, like Ipv6, Routing and Database.
Luxembourg	RESTENA		RESTENA manages the ccTld .LU				
Netherlands	SURFnet	Videoconferencing	The ccTLD for The Netherlands is managed by SIDN (Stichting Internet Domeinregistratie Nederland). SURFnet was involved in the foundation of SIDN. Managing director Boudewijn Nederkoom stepped down as chairman of the board, a position he held since the foundation of SIDN.			SURFnet actively participates in various IETF working groups. Kees Neggers is in the board of trustees of ISOC.	RIPE working groups. Managing director Kees Neggers is currently chairman of RIPE NCC. RIPE NCC is one of Four Regional Internet Registries (RIR) that exist in the world today, providing allocation and registration services that support the operation of the Internet globally
Norway	UNINETT	any	.no-domain handled by subsidiary “Norid”.		running service	various task forces	
Portugal	FCCN		We are responsible for the .PT TLD	GAC representation for Portugal			Participation
Spain	RedIRIS	We are only involved as experts in a commission about the evolution of the ‘.es’ domain.		Secondary DNS of .es	We provide a looking glass		Participating actively.
Sweden	SUNET	videoconferencing	in the past		Used by SUNET to some extent	People from the network operation center employed by SUNET take part in the RIPE meetings and in some cases people with connections to SUNET participate in working groups, for example the DNS Working Group.	
Switzerland	SWITCH		We manage the ccTLDs .ch and .li		see http://www.switch.ch/network/services	We are active in several working groups with ca 2 engineers participating at IETF meetings	We participate in any relevant working group where the working areas of SWITCH are covered. Generally 2 engineers of SWITCH attend RIPE meetings.
United Kingdom	UKERNA		Ms Shirley Wood sits on the on the Nominet Policy Advisory Board. Nominet are responsible for the .uk domain.	UKERNA is responsible for the allocation of names under ac.uk and manages the allocation of names under gov.uk	Under development	as an observer	as a working group member
Bulgaria	IST Foundation		no	no	yes	no	no
Cyprus	CYNET		no		no		no
Czech Republic	CESNET		CESNET is a member of CZ.NIC - the association administrating ccTld in the Czech Republic.				CESNET participates in the RIPE Traffic Measurement project.

Country	NREN	Peer to peer Services	ccTld	DNS for MANs	Looking Glass	IETF	RIPE
Hungary	HUNGARNET		HUNGARNET earlier provided ccTld registration service. Later this has been delegated to a separate independent organisation.	Domain name registration is performed by HUNGARNET to the academic and research networking community.		HUNGARNET is interested in IETF activities. Several HUNGARNET representatives participate in some IETF activities.	HUNGARNET is interested in RIPE activities. Several HUNGARNET representatives participate in some RIPE WGs.
Estonia	EENet		EENet administers the .ee TLD	EENet registers subdomains under .ee according to the agreement of the administrators of the .ee domain and the Ministry of Education, which is assigned in the Statute of EENet.	none	none	none
Latvia	LATNET		LATNET is responsible for maintaining the the domain name registration for the .lv domain.				
Lithuania	LITNET		Managing ccTld .lt	Domain names - Registering and maintaining .lt domain names, managing .lt primary NS server	no	no	LITNET members have participated in RIPE working group: Database Working Group ; L I R Working Group ; I P v 6 Working Group ; D N S Working Group ; DNR Working Group ; Test Traffic Working Group ; Routing Working Group.
Malta	CSC						
Poland	PSNC(POL34)		The CSC administers the .mt domain				
Romania	RoEduNet		no	Yes, for .edu.ro	yes		
Slovakia	SANET				yes		yes
Slovenia	ARNES		ARNES is the registry for ccTld .si (Slovenia).				
Turkey	ULAKBIM				Running UlakNet Looking Glass		
Albania	ANA		INIMA keeps the second-level domains of ccTld .AL				
Algeria	CERIST		Manager of .dz				
Armenia	ARENA		none	none			
Azerbaijan	Aznet			none	none		none
Belarus	(BASNET)	P2P, eDonkey	no	support of zone	no	no	no
Bosnia & Herzegovina	BIHARNET	Peer-to-peer services.					
Croatia	CARNet		CARNet administers and manages the organisation of .hr top level domain. CARNet also has defined "Regulations regarding the organisation of the top-level "hr" Internet Domain and principles of managing the top-level "hr" domain.	The CARNet DNS service carries out all administrative work as well as dealing with technical maintenance of the .hr domain.	no	no	CARNet actively participates in mailing lists and working groups (Database WG, Anti Spam WG, Netnews, LIR WG, Test Traffic WG, Tools WG, IPv6 WG, DNR WG, EIX WG) of RIPE.
Georgia	GRENA			Primary/secondary domain hosting for customers.			
Israel	IUCC		We operate as a contractor the ccTLD for Israel		via our NOC		
Jordan	NIC		Top level domain administrator for the .jo domain				
FYRo Macedonia	MARNet		managing and hosting the ccTLD				
Moldova	RENAM			RENAM is responsible for universities and academic general second level domains maintained under ccTld .md.			
Palestine	GCC		Designated Organization by ICANN	.PS Registry, will be moved to Palestinian National Internet Naming Authority (PNINA)			
Russian Federation	RIPN	RIPN supports the technical base of .RU Registry and it is the member of CENTR.					EIX, DNR, Antispam, IPv6, Database, DNS
Russian Federation	FreeNet		Board member	Registrar	no	no	participant
Serbia & Montenegro	AMREJ			.ac.yu domain administration	provided at http://netis.rcub.bg.ac.yu/cgi-bin/LookingGlass/lg.pl		
Ukraine				Participant and distributor	no	no	no