

# How to use new EPP-NORID script in AVENE.

Draft 1.

## Main startup screen

**Last 40 NORID poll messages** [Show](#)

**Last 20 error notifications** [Show](#)

This is main screen of the script. From here you can search for domains and handles in NORID, access page for creating new domain, nameserver (or host), organization or contact handles. You can also “poll messages from NORID” – that is from special message queue, which provides different technical messages about domain transfers, removals and so on. Someone should click this button from time to time.

You can also see last 40 messages, polled from NORID and last 20 errors, which occurred during communication with EPP registry.

All these fields and buttons are quite global and will appear at every page of the script.

## Registering new domain from “New orders”

2010-07-05 Registration from webpage Action: New Add comment From IP: 83.242.3.235	Sircon Norge AS	<b>EXPRESSBILEN AS</b> Status: Active Balance: Kr.-450.00	<b>Domain tyre.no</b> Assigned hosting: Parkert  Reminded 2 times [remind] Last time reminded on 12:05 22.10.2010  Last time sent: 00:04:14 08-Jul-2010 Ownstatement not received! [Send] [Mark as received] No registration has been sent to NORID.	[Register] [Generate & send invoice] [Generate & send invoice & done] [Whois] [Done] [Remove from queue]
Comments:		auto-client:18:38 05.Jul.2010   kan dere foreløpig bare knytte dette domenet til senterdekk.no, slik at vi kan benytte mail på tyre.no teirje 00:04 08.Jul.2010   Auto added comment: Ownstatement has been sent to user (domain: <b>tyre.no</b> , <a href="#">download</a> ) auto-epp 02:36 01.Dec.2010   Registration requested in NORID [20101201023647249654-k0dr8x-reg840-NORID]: Command completed successfully : : anton 02:40 01.Dec.2010   THIS WAS TEST REGISTRATION!		

This is quite simple – you should just click on [Register] link in “New orders” and you will be taken to page with populated data for domain registration. After you try to register domain in NORID, script should add comment to new orders, like here you can see, that it says “Registration requested in NORID [20101201023647249654-k0dr8x-reg840-NORID]: Command completed successfully : :”. Errors should also come here, if domain exists in “new orders”.

Important note: this is not yet implemented for resellers, as they actually need slightly different ordering interface, than what they have now.

You still should validate received egenerklaering and after registration is done – click on [Done] link.

That is how domain registration screen looks like:

Preset values:DOMAIN=intersprak.no | ORG.NUMBER=956207142 | NAMESERVER 1=ns1.sircon.no | NAMESERVER 2=ns2.sircon.no

Domain name	intersprak.no <a href="#">lookup</a> Domain intersprak.no can be registered.	<b>Create organization</b>		<b>Create contact 1</b>	
Organization owner	auto_org <a href="#">lookup</a> Create new	Name/Org.name	ARNING PUBLIKASJON <a href="#">lookup</a> Loaded from BRREG	Name/Org.name	John Lille-Mæhlum <a href="#">lookup</a> failed to load 956207142 from norid epp
Contact person	Legal <input checked="" type="checkbox"/> auto_contact_0 <a href="#">lookup</a>   new failed to load 956207142 from norid epp	Street address	Postboks 53 <a href="#">lookup</a>	Street address	Postboks 35 <a href="#">lookup</a>
Contact person	Tech <input checked="" type="checkbox"/> LA9P <a href="#">lookup</a>   new	Street address	<input type="text"/> <a href="#">lookup</a>	Street address	<input type="text"/> <a href="#">lookup</a>
Contact person	Tech <input checked="" type="checkbox"/> <input type="text"/> <a href="#">lookup</a>   new	Street address	<input type="text"/> <a href="#">lookup</a>	Street address	<input type="text"/> <a href="#">lookup</a>
Nameserver	ns1.sircon.no <a href="#">lookup</a> Host handle found!	City/Area	Melhus <a href="#">lookup</a>	City/Area	Lensvik <a href="#">lookup</a>
Nameserver	ns2.sircon.no <a href="#">lookup</a> Host handle found!	Postal code	NO-7221 <a href="#">lookup</a>	Postal code	NO-7315 <a href="#">lookup</a>
Nameserver	<input type="text"/> <a href="#">lookup</a>	Country	NO <a href="#">lookup</a>	Country	NO <a href="#">lookup</a>
Domain password	v6x39d9y34 <a href="#">lookup</a> Randomly generated string	Phone number	+47.90134015 <a href="#">lookup</a>	Phone number	+47.90134015 <a href="#">lookup</a>
AVENE nameservers	ns1.sircon.no ns2.sircon.no <a href="#">use these nameservers</a>	Fax number	<input type="text"/> <a href="#">lookup</a>	Fax number	<input type="text"/> <a href="#">lookup</a>
		Email	arning@arning.no <a href="#">lookup</a>	Email	arning@arning.no <a href="#">lookup</a>
		Password	<input type="text"/> <a href="#">lookup</a>	Password	<input type="text"/> <a href="#">lookup</a>
		Contact type	organization <a href="#">lookup</a>	Contact type	<input type="text"/> <a href="#">lookup</a>
		Org.number	956207142 OK!	Org.number	<input type="text"/> <a href="#">lookup</a>
		Assigned to org.	<input type="text"/> <a href="#">lookup</a>	Assigned to org.	auto_org <a href="#">lookup</a>
		Mobile phone num.	<input type="text"/> <a href="#">lookup</a>	Mobile phone num.	<input type="text"/> <a href="#">lookup</a>
		Email	<input type="text"/> <a href="#">lookup</a>	Email	<input type="text"/> <a href="#">lookup</a>
		Email	<input type="text"/> <a href="#">lookup</a>	Email	<input type="text"/> <a href="#">lookup</a>
		Email	<input type="text"/> <a href="#">lookup</a>	Email	<input type="text"/> <a href="#">lookup</a>

[Send](#)

Here you can see, that we will first create new organization and new contact person. And those new objects will be used for this domain registration. Take a closer look:

Domain name	<input type="text" value="intersprak.no"/> <a href="#">lookup</a> Domain intersprak.no can be registered.
Organization owner	<input type="text" value="auto_org"/> <a href="#">lookup</a> Create new
Contact person	Legal <input type="button" value="v"/> <input type="text" value="auto_contact_0"/> <a href="#">lookup</a>   <a href="#">new</a> failed to load 956207142 from norid epp
Contact person	Tech <input type="button" value="v"/> <input type="text" value="LA9P"/> <a href="#">lookup</a>   <a href="#">new</a>
Contact person	Tech <input type="button" value="v"/> <input type="text" value=""/> <a href="#">lookup</a>   <a href="#">new</a>
Nameserver	<input type="text" value="ns1.sircon.no"/> <a href="#">lookup</a> Host handle found!
Nameserver	<input type="text" value="ns2.sircon.no"/> <a href="#">lookup</a>
Nameserver	<input type="text" value=""/> <a href="#">lookup</a>
Domain password	<input type="text" value="e369marh34"/> <a href="#">lookup</a> Randomly generated string
AVENE nameservers	ns1.sircon.no ns2.sircon.no <a href="#">use these nameservers</a>

You can see that *organization owner* and *contact person* are set to *auto\** values. When you click on [Send] button at the bottom of the page, this data will be sent to NORID. Errors will be returned as alert. When either organization or contact person is registered, *auto\** handles will be changed to the new handles.

Field *AVENE nameservers* shows information about nameservers registered for this domain in AVENE. If you click link *use these nameservers*, values will be put in appropriate boxes.

I suggest using password for each domain. When you try to register new domain – script will auto-generate random password. This password will not be stored in AVENE, but it can be accessed by looking at *info* for this domain.

## Using lookup

**Last search requests:**  
WD130 | Anton Aleksandro | EA7P-NORID | Anton Aleksandrov | NSTR9H-NORID | AA1R | AA1R-NORID | GG975P-NORID | NSTR12H-NORID | NSTR8H-NORID | SNA80-NORID | LA9P-NORID | AA7P-NORID | JUA10-NORID | Anita  
please move me here

**Top 15 used handles**

LA9P-NORID	person	Leon Aleksandrov	<a href="#">use</a>
SNA80-NORID	organization	SIRCON NORGE AS	<a href="#">use</a>
JUA10-NORID	organization	JØLSTER UTBYGGINGSSKAP AS	<a href="#">use</a>
EA7P-NORID	person	Eirik Årdal	<a href="#">use</a>
GG975P-NORID	person	Gudjon Gudjonsson	<a href="#">use</a>
AA1R-NORID	role	Anton Aleksandrov	<a href="#">use</a>
SMA110-NORID	organization	SPORT 1 MERÅKER AS	<a href="#">use</a>
AA7P-NORID	person	anton Aleksandrov	<a href="#">use</a>
GG68P-NORID	person	Gudjon Gudjonsson	<a href="#">use</a>
NSTR12H-NORID	host	ns5.trusthost.eu	<a href="#">use</a>
NSTR8H-NORID	host	ns1.trusthost.eu	<a href="#">use</a>
NOR18456D-NORID	domain	norid.no	<a href="#">use</a>
WD130-NORID	organization	Winterstrain DA	<a href="#">use</a>
NN22P-NORID	person	Nice Name	<a href="#">use</a>
GG69P-NORID	person	Gudjon Gudjonsson	<a href="#">use</a>

**Last 15 created handles**

tyre.no	domain	tyre.no	<a href="#">use</a>
RK5P-NORID	organization		<a href="#">use</a>
EA440-NORID	organization		<a href="#">use</a>
AP14P-NORID	organization		<a href="#">use</a>
OTA40-NORID	organization		<a href="#">use</a>
-NORID	organization	AE LIGHTING AS	<a href="#">use</a>
ALA20-NORID	organization		<a href="#">use</a>
FTWA10-NORID	organization	Wiggo Aanes	<a href="#">use</a>
FTWA10-NORID	organization		<a href="#">use</a>
BBA340-NORID	organization	Beate Døsvik	<a href="#">use</a>
BBA340-NORID	organization		<a href="#">use</a>
LA370-NORID	organization	Trond Haugan	<a href="#">use</a>
LA370-NORID	organization		<a href="#">use</a>
BPA40-NORID	organization	Kari-Mette Langmyr	<a href="#">use</a>
BPA40-NORID	organization		<a href="#">use</a>

**Small notes:**  
- you can move/drag this layer to side if you need

Most fields has link *[Lookup]*. When you click it – additional layer will appear. Here you can search NORID whois for required handle or find out most used handles and last created handles. This screen is very useful for setting your technical handle, as it will be on “*top 15 used handles*”.

If you click on a handle, script will lookup for additional or full information about this handle. If you click on *[use]* link – then this handle will be put to the field where you clicked *[lookup]* and layer will be closed.

## Domain info, modify, transfer, withdraw (reg0) and delete

Search results

**Nothing found in NORID.**  
WHOIS search results [[hide](#)]

NORID handle	Registrar	Type		
TYR1D-NORID	REG840-NORID	domain	tyre.no	<a href="#">info</a>
EA440-NORID	REG840-NORID	organization	EXPRESSBILEN AS	<a href="#">info</a>

domain:name	tyre.no
domain:roid	TYR1D-NORID
domain:status	[Empty]
domain:registrant	EA440
domain:contact	RK5P
domain:contact	LA9P
domain:hostObj	ns1.sircon.no
domain:hostObj	ns2.sircon.no
domain:pw	dg768s96z4
domain:clID	reg840
domain:crID	reg840
domain:crDate	2010-12-01T01:36:46.69Z
domain:exDate	2011-12-01T01:36:48.24Z
domain:upDate	[Empty]
domain:trStatus	[Empty]
domain:reID	[Empty]
domain:reDate	[Empty]
domain:acID	[Empty]
domain:acDate	[Empty]
svTRID	20101201024128496624-w8n1ow-reg840-NORID
clTRID	reg8401291167687
<a href="#">modify tyre.no</a>   <a href="#">Withdraw/REG0</a>   <a href="#">Delete</a>	

If you search for an existing domain (or other existing NORID handle), script will offer you *[info]* link. Info – means – more detailed information. Info screen will also let you do the following things – modify, transfer, withdraw (set to REG0) and delete domain. For other handles you will be able to modify it.

If domain is not owned by our registrar, instead of *modify*, *withdraw*, *delete* links you will see form for transfer. As you know – domains may be transferred without a password (if password was not set for a domain), with transfer token or with domain password. Look at the screen below.

**Nothing found in NORID.**WHOIS search results [[hide](#)]

NORID handle	Registrar	Type		
NOR11D-NORID	REG613-NORID	domain	<a href="#">norid.no</a>	<a href="#">info</a>
UN14O-NORID	REG613-NORID	organization	Uninett Norid as	<a href="#">info</a>

domain:name	<a href="#">norid.no</a>
domain:roid	NOR11D-NORID
domain:status	[Empty]
domain:registrant	UN14O
domain:contact	US80P
domain:contact	US81P
domain:hostObj	nn.uninett.com
domain:hostObj	nn.uninett.net
domain:pw	[Empty]
domain:clID	reg613
domain:crID	reg9007
domain:crDate	2010-09-17T09:45:01.93Z
domain:exDate	[Empty]
domain:upDate	2010-11-15T13:55:40.00Z
domain:trStatus	[Empty]
domain:reID	[Empty]
domain:reDate	[Empty]
domain:acID	[Empty]
domain:acDate	[Empty]
svTRID	20101201024208057204-whyod-reg840-NORID
clTRID	reg8401291167727

**Domain is not owned by us, try to transfer it**

☐ - renew domain along with transfer

You can always try to transfer domain without a password – still not all domains have it set. To do so - simply click on “*Transfer with password*” link. If you get message link on the next image – you are good – domain has been transferred to us and can be modified.

- EPP transfer status: serverApproved

This message says – that domains has been transferred.

If password was set – then most simple way to transfer domain is to initialize it's transfer with a token. When you click [*Request token*] – NORID will send special token or password to email registered for Legal-c handle. You should ask customer to forward it to you. Then you can use it – put it to appropriate combobox and clicc [*Transfer with token*].

When domain has been transferred to us you will want to change nameservers and technical person handle. Please do so at once and also remember to change password.

To modify domain click [*modify DOMAINNAME.no*] link.

## Modifying other handles

contact:id	US84P
contact:name	Unni Solås
contact:street	Tulletoppen 3
contact:city	Trondheim
contact:pc	NO-7465
contact:cc	NO
contact:voice	+47.77557900
contact:fax	[Empty]
contact:email	unni.solas@uninett.no
contact:pw	[Empty]
no-ext-contact:type	person
no-ext-contact:identity	[Empty]
no-ext-contact:organization	UFA6O
no-ext-contact:mobilePhone	[Empty]
no-ext-contact:email	[Empty]
no-ext-contact:roleContact	[Empty]
contact:crDate	2010-12-01T01:46:35.76Z
contact:roid	US84P-NORID
svTRID	20101201025244155835-h2wb06-reg840-NORID
clTRID	reg8401291168363
<b><a href="#">modify US84P</a></b>	

To modify person, organization or host handles – simply search for it and click [*Modify HANDLE*] at the bottom of the page.

## Create new object using other object's values

I personally encounter similar situation from time to time – let's say some client got new person for legal domain or suddenly has his name changed. NORID will not let you change his name – it will ask to register new handle. You can of course copy each field one by one, but you can also do it in a smart way. Search for a handle from which you want to take the data. Click *modify* it, change name or any other fields that should be changed and tick *force create new object* combobox at the bottom.

☐ - force create new object

When you do so, script will try to register new object, instead of updating current one.

## Create new organization and contact handle

Another nice situation – you've got domain transfer, but destination company does not exist in NORID. So in order to transfer domain to new owner – you should first create new company. Click on *New organization* button and put company's organization number to *Org.number* field. Script then will fetch company's name from BRREG and also try to fetch company's contact details from AVENE's database.

Very often along the company you will require to create contact person handle. If contact person can get the same contact information as the main company – at the same screen at the bottom tick checkbox *create contact with the same details and assign to this organization*. You will be able to enter person's name. The rest fields script will take from the organization table. This way you can create 2 handles with one click.

Here is the screenshot:

Create new object

Name/Org.name	VILLA ITALIA TRONDHI Loaded from BRREG	lookup
Street address	Gamle Oslovei 1	lookup
Street address		lookup
Street address		lookup
City/Area	Trondheim	lookup
Postal code	NO-7020	lookup
Country	NO	lookup
Phone number	+47.73991950	lookup
Fax number	+47.Ikkeoppg	lookup
Email	Ikke oppgitt	lookup
Password		lookup
Contact type	organization	lookup
Org.number	990164509 OK!	lookup
Assigned to org.		lookup
Mobile phone num.		lookup
Email		lookup
Email		lookup
Email		lookup

☒ - create contact person with the same details and assign to this organization  
Please specify person name: Sinan Kayhan

☐ - force create new object

## Cancelling domain and setting to REG0

When you cancel any domain, there is an option *Set domain to REG0*. If you check it and cancel domain – domain should be withdrawn in NORID using new EPP.

## Domain owner change and domain delete forms

As you know – domain owner change and domain delete requires manual inspection by NORID and also requires us to send them special forms. When you request deletion of the domain or domain owner change – script will send a mail to your email address, registered in AVENE with unique ID of the action. You should use that ID on the forms and send /forward to [skjema@registry.norid.no](mailto:skjema@registry.norid.no).

Where links to the new script can be found in AVENE

That's a good question. :-)

1. At *New orders* page, when clicking [*Register*] for .no domains.
2. At company's profile page for every .no domain when clicking [*Generate registration*]
3. At company's profile page for every .no domain when clicking [*Change*] at nameserver field
4. If you are missing it anywhere, please let me know. Especially may be at cancellation pages.

## Things to do

This project was taking too long, so I decided to launch it now and finish other small things after. Here are things to be done:

1. Let choose required nameserver from combobox (listing servers registered in AVENE)
2. ... your input is very welcome. Time will show what else is missing.