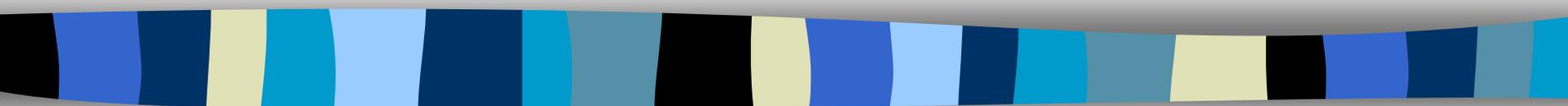
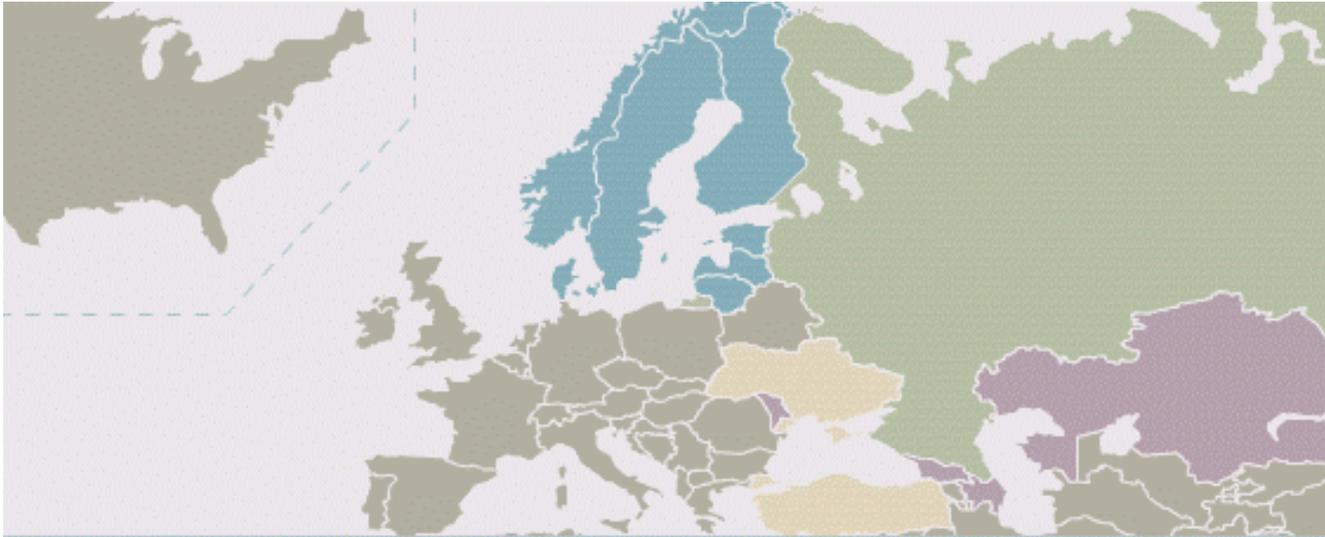


TeliaSonera

WHOIS Registration



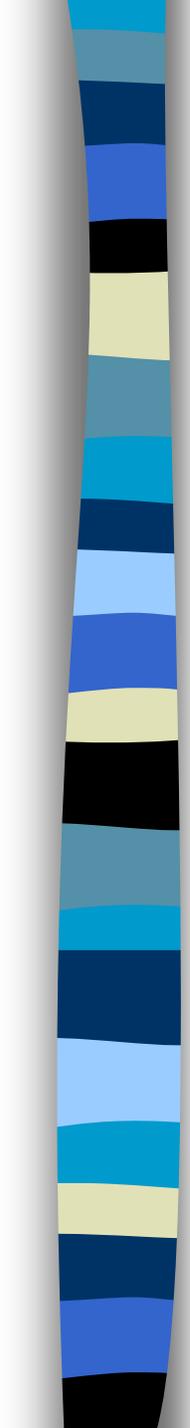
What should be in WHOIS
and why?



TeliaSonera operates in over 20 countries

The HQ is in Sweden

A /20 of IPv6 addresses was recently allocated to eu.telianet to be used by all the LIRs within the TeliaSonera organisation

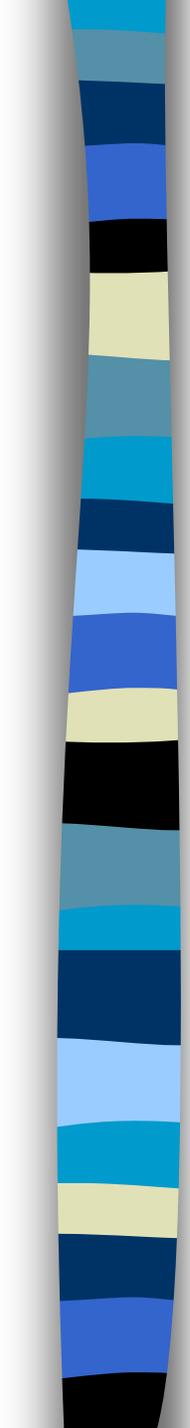


Which country: attribute?

The LIRs within TeliaSonera work with AS boundaries – not country borders

What country should be in WHOIS?

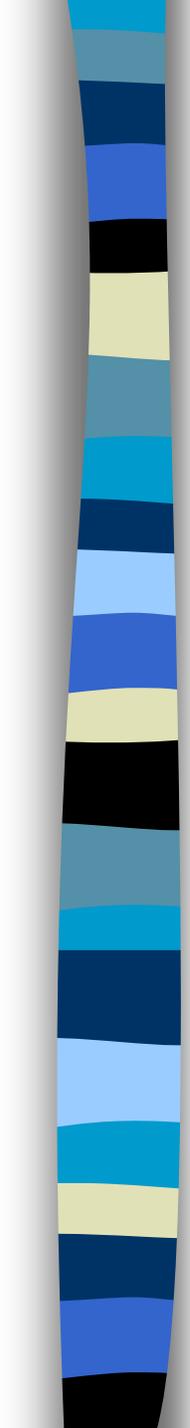
- The country where the connection was bought?
- The country where the customers HQ and/or tech-c + admin-c are situated ?
- The country where the LIR is situated?
- and if the LIR is a EU LIR?



How does a LIR know....

When more than a /48 is assigned to an organisation, the assigning organisation is responsible for ensuring that the address space is registered in an RIR/NIR database.

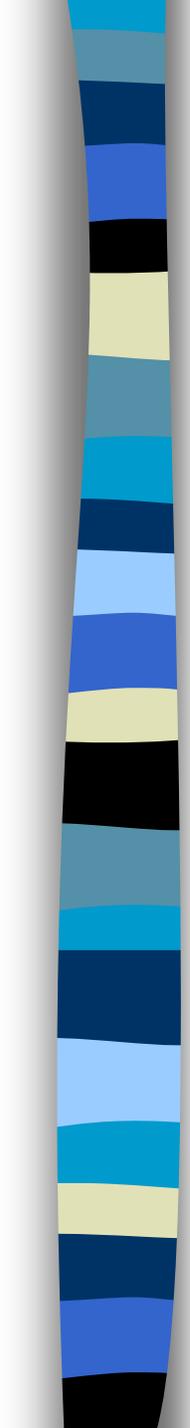
- How can a LIR know for sure that an organisation hasn't been assigned a /48 by another LIR if it's not in WHOIS?
- When is it the same organisation? Is TeliaSonera Sweden and TeliaSonera Finland the same organisation?



Who should be in WHOIS?

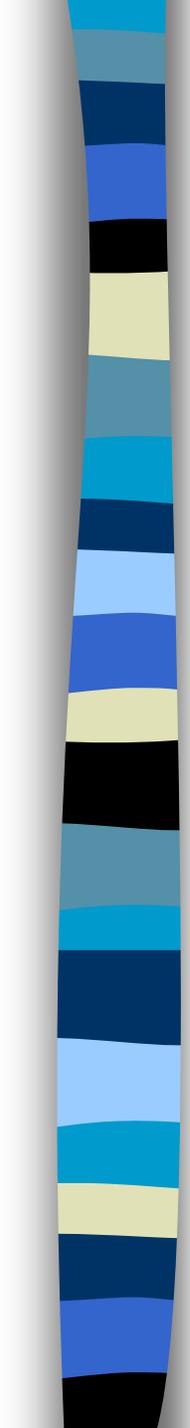
When an organisation holding an IPv6 address allocation makes IPv6 address assignments, it must register assignment information in a database, accessible by RIRs as appropriate. (Information registered by an RIR/NIR may be replaced by a distributed database for registering address management information in future).

- Should a private broadband customer be in WHOIS?
- Should all information, except the name, be hidden?



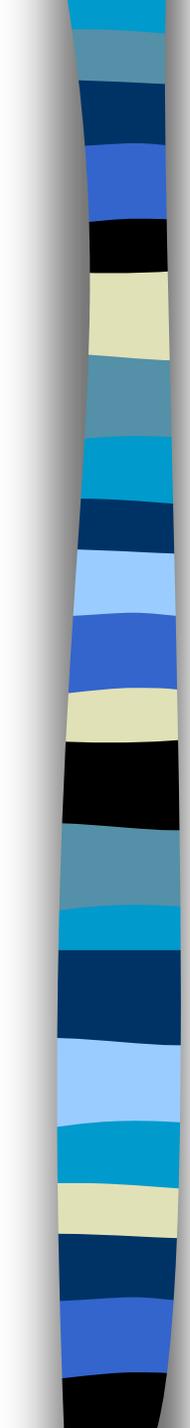
Who should be in WHOIS?

- What is the use of private persons in WHOIS if all the information is hidden and the Service Providers information is visible?
- What difference does it make for RIPE NCC if WHOIS contains information about a private person or a Service Provider?
- If the information is kept in an organisation's database – does RIPE NCC want to take responsibility for password etc to get access to that database?



Who should be in WHOIS?

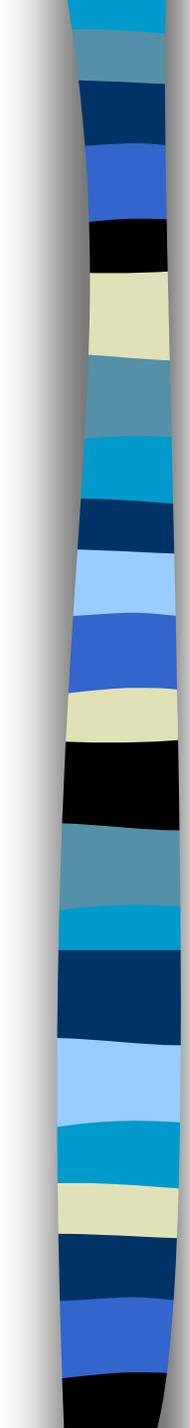
- What would the impact be on the WHOIS server if it is updated with information about all private broadband customers?



Is WHOIS the right tool for this?

RIR/NIRs will use registered data to calculate the HD-Ratio at the time of application for subsequent allocation and to check for changes in assignments over time.

- Is an update in WHOIS the same as making an assignment? Is the number of updates more important than the actual use? If a LIR use mostly /64 and need a new allocation, how do they qualify when this is not registered in WHOIS?



Conclusion

The IPv6 Address and Assignment policy needs to be revised so that all LIRs can live up to it.