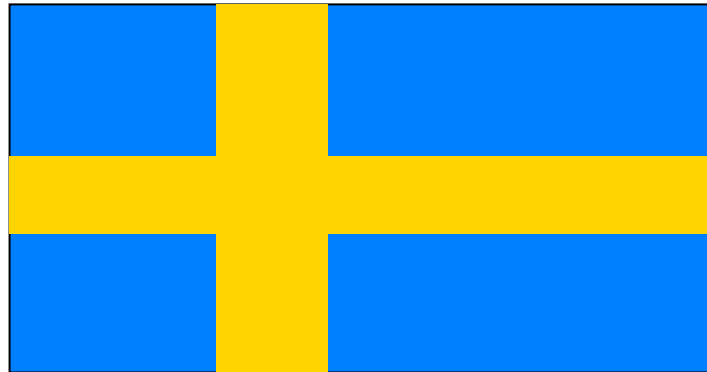


Sweden - a Broadband Nation



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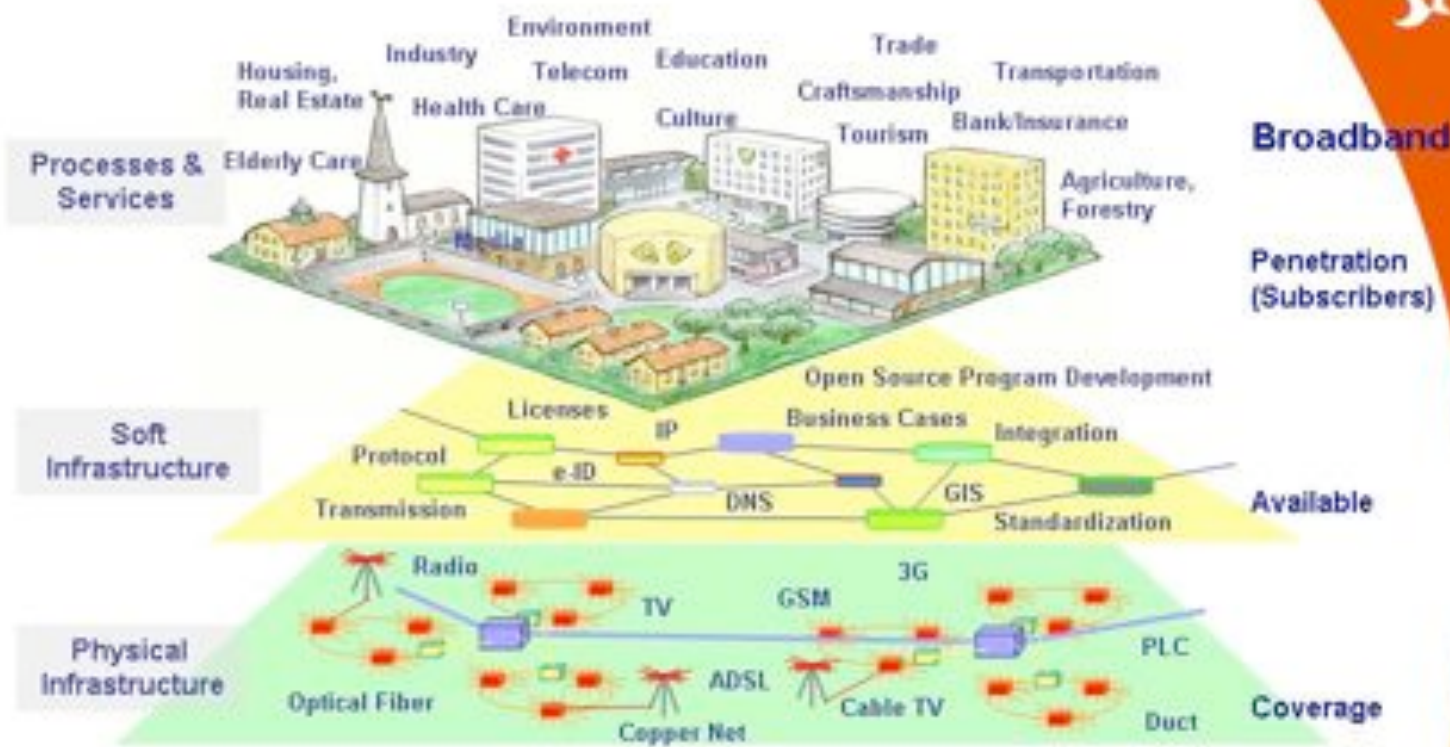
"Tomorrow's infrastructure must link people and regions in an efficient, energy-effective, environmental-friendly and safe manner. We must have a reliable infrastructure that provides for enterprise throughout the country."

Sweden – a sparsely populated area

Persons/km²



e-Society – how do we get there?



- How does ICT contribute to Prosperity and Welfare?
- How do we know that? Indicators needed!
- How do we balance Political and Corporate Responsibility?

Svenska Kommunförbundet och Landstingsförbundet i samverkan

Governance in Sweden

Parliament

Government

National budget and finance
National planning and supervision
Justice, rules and regulations
University and higher education
Broadcasting, TV & Telecommunications
Foreign affairs
Defense
Power production and Railways

21 County councils

Health and medical care
Public transportation

290 Local Authorities

Local Self-Government guaranteed by the Constitution

Present form founded in 1862

Since 1866 right to collect Local Taxes

Last Reformation 1971

Local budget & finance
Town and country planning
Highways and traffic
Economic development
Environmental health
Local public service
Fundamental education and schools
Social service (*elderly, handicapped & children*)
Cultural policy and **leisure service**
Power and water supply and distribution
Energy and heating
Streets and parks
Waste collection and disposal



Broadband Policy in Sweden

Parliament

Government

Legislation

National programme – An Information Society for All

- Accessibility -> Broadband Policy
- Confidence
- Competence

21 County councils

No policy regarding IT-infrastructure –
focusing on policies for security and user demands

290 Local Authorities

Average:

16.000	Inhabitants
1.500	Employees
5 – 7	ICT-staff
Non Profitable Companies	

Local IT Infrastructure Programme

- Identifying areas where market fails
- Stimulating market to establish Infrastructure in rural areas
- Develop Use of ICT in Local Government Activities



Political aims

- **The political aim for the information society are secure, robust and accessible communications, primarily supplied by efficient markets.**
- **The political aim for the sector electronic communication is that persons, companies and authorities should have access to efficient and secure electronic communications.**
- **The ICT policy goal is that Sweden should be a sustainable information society for all. This goal is defined by three sub goals:**
 - IT must contribute to a better quality of life and help improve and simplify everyday life for people and businesses.
 - IT must be used to promote sustainable growth.
 - An enabling goal for broad band infrastructure...

General broadband policy

- **An effective and secure physical infrastructure for IT, with high transmission capacity, must be available in all parts of the country so as to increase opportunities for people to access to, among other things, interactive public e-services.**
 - give people possible access to interactive public services
 - accomplished mainly through market channels and
 - the government has overall responsibility for ensuring that IT infrastructure is available nationwide
 - competitive neutrality, diversity in networks and technological neutrality

The broadband program 2000 to 2007

- **Infrastructure funding of 500 million EUR**
- **...and structural funds and other regional grants 545 million EUR**
- **Three ways to ensure that market distortions are avoided**
 - A geographical distribution of government support concentrating on rural and other areas where the market will not supply infrastructure,
 - An open procurement procedure in order to engage market actors as far as possible,
 - A requirement that the networks should be operator-neutral and open.

Financing of projects entitle to state funding – outcome may 2008 (expected in 2001)

	million sek	%	%	
• State funding	3913	52	(40)	
• Operator	2130	28	(45)	
• Local authorities		868	12	(5)
• EU structural funds	535	7	(3)	
• other regional grants	58	1	(7)	
	Σ 7504			

Some conclusions

- **The governmental funding to broadband access is important for sparsely populated areas.**
- **Local involvement and commitment in municipalities and regions is very important.**
- **Increased competition through a diversity of operators**
- **The expansion takes longer time than estimated because of the complex question and the change in the market situation**

Major challenges

- **Openness – consumer perspective, available services**
- **Competition – infrastructure, Internet, services**
- **Convergence – media, entertainment and infrastructure.**
- **Coordination / cooperation**
 - local, regional, national level
- **Coordination / cooperation**
 - private and public sector
- **The digital divide / e-inclusion**
 - how do we include everyone

Electronic communications

- **Review of EU framework on electronic communications**
 - spectrum issues
 - less regulation if possible
- **Digital switchover**
 - Decision in December to use some part of the dividend to other services than broadcasting
- **Bill on functional separation**
 - Telia Sonera's copper access network

Electronic Services – whenever and wherever

- **Accessibility**
- **Robustness**
- **More secure Internet in Sweden**
- **IT-standardization**
- **Electronic identification / authentication**
- **Information security**
- **Electronic communication**
- **Development of digital services**
- **Openness in the networks**
- **A sustainable information society**
- **EU-chairmanship (fall of 2009)**
- **A renewed national IT agenda**

Committees of Inquiry

- **Broadband accessibility (April 2008)**
 - Propose state funding to expand broadband infrastructure to neglected rural areas
- **Spectrum policy (June 2008)**
 - The defence should also pay for its spectrum use
 - Public procurement should be used rather than coverage requirements
- **Both inquiries are now prepared within Governmental Offices of Sweden**

Thank you!

Questions?