

2001 DRAFTING REQUEST

Bill

Received: **01/18/2002**

Received By: **kunkemd**

Wanted: **As time permits**

Identical to LRB:

For: **Jennifer Shilling (608) 266-5780**

By/Representing: **Katie Plona**

This file may be shown to any legislator: **NO**

Drafter: **kunkemd**

May Contact:

Addl. Drafters:

Subject: **Econ. Development - misc.**

Extra Copies: **PJK**

Submit via email: **NO**

Pre Topic:

No specific pre topic given

Topic:

Preparation of internet access maps by Department of Commerce

Instructions:

Require preparation and update of maps showing geographic location of internet access lines (broadband, T1, etc.) in state. Rationale: businesses should know what is nearby, closest, most cost-effective, etc. Try s. 560.07 (5) ?

Drafting History:

<u>Vers.</u>	<u>Drafted</u>	<u>Reviewed</u>	<u>Typed</u>	<u>Proofed</u>	<u>Submitted</u>	<u>Jacketed</u>	<u>Required</u>
/1	kunkemd 01/24/2002	jdyer 01/25/2002	jfrantze 01/25/2002	_____	lrb_docadmin 01/25/2002		State
	kunkemd 02/07/2002	jdyer 02/08/2002		_____			
/2			jfrantze 02/08/2002	_____	lrb_docadmin 02/08/2002		State
/3	jkreye 02/28/2002	jdyer 02/28/2002	pgreensl 02/28/2002	_____	lrb_docadmin 02/28/2002	lrb_docadmin	State 03/12/2002

Vers. Drafted Reviewed Typed Proofed Submitted Jacketed Required

FE Sent For:

@mtw

<END>

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/2			jfrantze 02/08/2002	_____	lrb_docadmin 02/08/2002	_____	State
/3	jkreye 02/28/2002	jdyer 02/28/2002	pgreensl 02/28/2002	_____	lrb_docadmin 02/28/2002	_____	State

*Carl
phoned
from Shilling
office
4:33pm
3/12*

Vers. Drafted Reviewed Typed Proofed Submitted Jacketed Required

FE Sent For:

<END>

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	kunkemd 02/07/2002	jdycr 02/08/2002		_____			
/2		13 2/28 jld	jfrantze 02/08/2002	2/28	lrb_docadmin 02/08/2002		State
			2/28 pg	Pg 1/5			

FE Sent For:

2001 DRAFTING REQUEST

Bill

Received: 01/18/2002

Received By: kunkemd

Wanted: As time permits

Identical to LRB:

For: Dan Schooff (608) 266-9967

By/Representing: Katie Plona

This file may be shown to any legislator: NO

Drafter: kunkemd

May Contact:

Addl. Drafters:

Subject: Econ. Development - misc.

Extra Copies: PJK

Submit via email: NO

PA: please change the requester to Rep. Shilling.

Pre Topic:

No specific pre topic given

Topic:

Preparation of internet access maps by Department of Commerce

Instructions:

Require preparation and update of maps showing geographic location of internet access lines (broadband, T1, etc.) in state. Rationale: businesses should know what is nearby, closest, most cost-effective, etc. Try s. 560.07 (5) ?

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/1	kunkemd 01/24/2002	jdye 01/25/2002	jfrantze 01/25/2002	_____	lrb_docadmin 01/25/2002		State

1/2 2/8 jld

FE Sent For:

<END>

2001 DRAFTING REQUEST

Bill

Received: **01/18/2002**

Received By: **kunkemd**

Wanted: **As time permits**

Identical to I.R.B.:

For: **Dan Schooff (608) 266-9967**

By/Representing: **Katie Plona**

This file may be shown to any legislator: **NO**

Drafter: **kunkemd**

May Contact:

Addl. Drafters:

Subject: **Econ. Development - misc.**

Extra Copies: **PJK**

Submit via email: **NO**

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/?	kunkemd	1/1/25 jld	1/25	1/25			

FE Sent For:

<END>



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In general, broadband refers to telecommunication in which a wide band of frequencies is available to transmit information. Because a wide band of frequencies is available, information can be multiplexed and sent on many different frequencies or channels within the band concurrently, allowing more information to be transmitted in a given amount of time (much as more lanes on a highway allow more cars to travel on it at the same time). Related terms are *wideband* (a synonym), *baseband* (a one-channel band), and *narrowband* (sometimes meaning just wide enough to carry voice, or simply "not broadband," and sometimes meaning specifically between 50 cps and 64 Kpbs).

Various definers of *broadband* have assigned a minimum data rate to the term. Here are a few:

- Newton's Telecom Dictionary: "...greater than a voice grade line of 3 KHz...some say [it should be at least] 20 KHz."
- Jupiter Communications: at least 256 Kbps.
- IBM Dictionary of Computing: A broadband channel is "6 MHz wide."

It is generally agreed that Digital Subscriber Line (DSL) and cable TV are broadband services in the downstream direction.

Read more about it at:

- > [SearchNetworking.com provides backgrounders and general info about broadband communications.](#)
- > [SearchNetworking.com also has a section on wireless broadband.](#)
- > [SearchNetworking has a team of experts who can answer your questions about broadband transmission.](#)
- > [Talk about the definition of broadband and its implementation in searchNetworking.com's Network Design forum.](#)

> [Ben Macklin's "The Broadband Revolution: You Say You Want a Definition" catalogs some of them.](#)

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Last updated on: Aug 16, 2001

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June 19, 21, 2002
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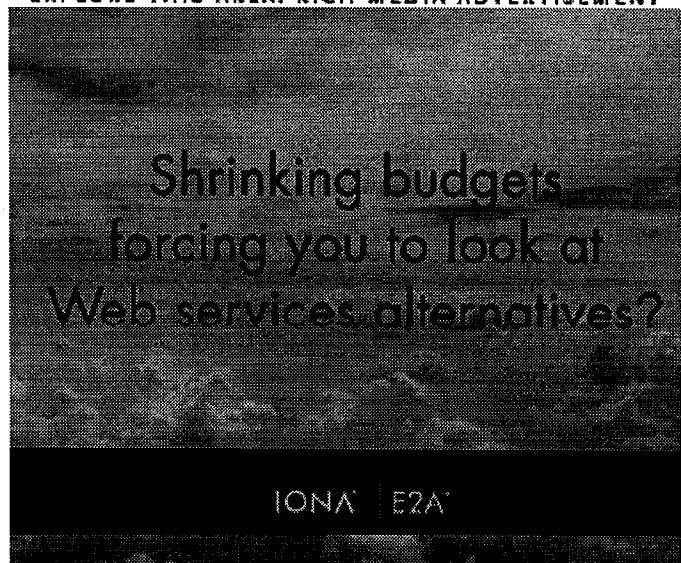
analog

Analog technology refers to electronic transmission accomplished by adding signals of varying frequency or amplitude to carrier waves of a given frequency of alternating electromagnetic current. Broadcast and phone transmission have conventionally used analog technology.

Analog also connotes any fluctuating, evolving, or continually changing process. Analog is usually represented as a series of sine waves. The term originated because the modulation of the carrier wave is analogous to the fluctuations of the voice itself.

A modem is used to convert the digital information in your computer to analog signals for your phone line and to convert analog phone signals to digital information for your computer.

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State of Wisconsin
2001 - 2002 LEGISLATURE

LRB-4731/1

MDK:.....

D-NOTE

JLD

Bu MONDAY
1/28
PM

2001 BILL

1 AN ACT ...; relating to: requiring the department of commerce to develop a
2 broadband internet service provider database and granting rule-making
3 authority.

Analysis by the Legislative Reference Bureau (department)

This bill requires the department of commerce to develop, maintain, and keep current a database that identifies all the broadband internet service providers that are available to a consumer in this state based on the consumer's geographic location. *
* "Broadband internet service provider" is defined as an internet service provider that provides access to the internet through a technology other than analog technology. The bill also requires the department to make the database available to the public at no cost, including by making it available over the internet. Finally, the bill *
requires the department to promulgate rules that require broadband internet *
service providers to supply the department with any information necessary for the department to carry out its duties under the bill.

For further information see the *state* fiscal estimate, which will be printed as an appendix to this bill.

The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:

4 SECTION 1. 560.055 of the statutes is created to read:

DRAFTER'S NOTE
FROM THE
LEGISLATIVE REFERENCE BUREAU

LRB-4731/1dn

MDK:.....

jld

Representative Schoof:

Please review this bill carefully to make sure that it achieves your intent. In particular, please note the following:

1. The department of commerce has other duties regarding promoting economic enterprises, so I think it is the appropriate state agency for developing the database. Is that okay?
2. There is no consensus in the marketplace on what constitutes "broadband" internet access. Therefore, I took the approach of describing what it is not (i.e., it is not access through analog technology, such as by a dial-up modem).
- * 3. The bill impose^s a 9-month deadline for the department to submit proposed rules to the legislative council. Is that okay? Also note that I think rules are necessary for the department to work out the details on how it will gather information from broadband internet service providers. In addition, the rules will create a duty for broadband service providers to supply the necessary information.

Internet

Mark D. Kunkel
Legislative Attorney
Phone: (608) 266-0131
E-mail: mark.kunkel@legis.state.wi.us

DRAFTER'S NOTE
FROM THE
LEGISLATIVE REFERENCE BUREAU

LRB-4731/1dn
MDK:jld:jf

January 25, 2002

Representative Schoof:

Please review this bill carefully to make sure that it achieves your intent. In particular, please note the following:

1. The department of commerce has other duties regarding promoting economic enterprises, so I think it is the appropriate state agency for developing the database. Is that okay?
2. There is no consensus in the marketplace on what constitutes "broadband" Internet access. Therefore, I took the approach of describing what it is not (i.e., it is not access through analog technology, such as by a dial-up modem).
3. The bill imposes a 9-month deadline for the department to submit proposed rules to the legislative council. Is that okay? Also note that I think rules are necessary for the department to work out the details on how it will gather information from broadband Internet service providers. In addition, the rules will create a duty for broadband Internet service providers to supply the necessary information.

Mark D. Kunkel
Legislative Attorney
Phone: (608) 266-0131
E-mail: mark.kunkel@legis.state.wi.us

Emery, Lynn

From: Emery, Lynn
Sent: Friday, January 25, 2002 2:37 PM
To: Rep.Schooff
Subject: LRB-4731/1 & 1dn (attached as requested)

Lynn Emery

Lynn Emery - Program Asst. (PH. 608-266-3561)
(E-Mail: lynn.emery@legis.state.wi.us) (FAX: 608-264-6948)

Legislative Reference Bureau - Legal Section - Front Office
100 N. Hamilton Street - 5th Floor
Madison, WI 53703

Kunkel, Mark

From: Plona, Katie
Sent: Monday, January 28, 2002 9:32 AM
To: Kunkel, Mark
Subject: Changes to Schooff LRB 4731

Mark,

Thanks for getting all of those drafts to us Friday. I have two changes to LRB 4731 re: internet map access. Can the bill please specify that Commerce will create actual maps of broadband lines, not only keep a database that is available to the public. Also, can you change the bill to include not only commercial lines but also government lines that are available to the public.

Thanks a lot. Please let me know if you have any questions about these additions to the bill.

Katie
Rep. Schooff's Office
6-9967

Per Katie,
the requester on this bill
is now
Rep. Shilling.
Contact is Karla Walter.

2

2001 BILL

By Monday
2/11

a governmental or private provider of "broadband Internet service" which is defined as a service

Regen

map and

1 AN ACT to create 560.055 of the statutes; relating to: requiring the department
2 of commerce to develop a broadband Internet service provider database and
3 granting rule-making authority.

map

member of the public or

Analysis by the Legislative Reference Bureau

This bill requires the department of commerce (department) to develop, maintain, and keep current a database that identifies all the broadband Internet service providers that are available to a consumer in this state based on the consumer's geographic location. "Broadband Internet service provider" is defined as an Internet service provider that provides access to the Internet through a technology other than analog technology. The bill also requires the department to make the database available to the public at no cost, including by making it available over the Internet. Finally, the bill requires the department to promulgate rules that require broadband Internet service providers to supply the department with any information necessary for the department to carry out its duties under the bill.

members or

map and

For further information see the state fiscal estimate, which will be printed as an appendix to this bill.

The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:

4 SECTION 1. 560.055 of the statutes is created to read:

X
NO
A

In addition, the department must develop, maintain, and keep current a database that identifies the cost of the different broadband Internet services that are available to a member of the public or consumer.

BILL

1 ^(a) **560.055 Broadband Internet ~~consumer~~ information.** (1) In this section, ^{of}
 2 "broadband Internet service ~~provider~~" means ^a an Internet service ~~provider~~ that
 3 provides access to the Internet through a technology other than analog technology.

4 (2) The department shall do all of the following:

5 (a) Develop, maintain, and keep current a ~~database~~ ^{map} that identifies all the
 6 broadband Internet service providers that are available to a ^{member of the public or} consumer in this state
 7 based on the ^{member's or} consumer's ~~geographic~~ location.

8 (b) Make the ^{map and} database available to the public at no cost, including by making
 9 the ^{map and} database available over the Internet.

10 (c) Promulgate rules that require broadband Internet service providers to
 11 supply the department with any information necessary for the department to carry
 12 out its duties under this section.

SECTION 2. Nonstatutory provisions.

13 (1) RULES DEADLINE. The department of commerce shall submit in proposed
 14 form the rules required under section 560.055 (2) (c) of the statutes, as created by this
 15 act, to the legislative council staff under section 227.15 (1) of the statutes no later
 16 than the first day of the 10th month beginning after the effective date of this
 17 subsection.
 18

(END)

19 ^(b) "Broadband Internet service provider" means a governmental
 or private provider of broadband Internet service.

⁽²⁾ and a database that identifies the
 cost of the different broadband Internet
 services offered by such broadband
 Internet service providers.

4731/2

2 line 8 "delete" not "map"

make consistent

new 9T — if department determines practically
beneficial
and provide information to the public, map
not relevant ... (see 9T(a))

make line 13 consistent

revise analysis



RMR

2001 BILL

in 2-28-02

TODAY

check with Joe
for any editing
questions related to
1/3. thanks

Regen

- 1 AN ACT to create 560.055 of the statutes; relating to: requiring the department
- 2 of commerce to develop a broadband Internet service provider map and
- 3 database and granting rule-making authority.

Analysis by the Legislative Reference Bureau

This bill requires the department of commerce (department) to develop, maintain, and keep current a ~~map~~^{database} that identifies all the broadband Internet service providers that are available to a member of the public or consumer in this state based on the member's or consumer's location. "Broadband Internet service provider" is defined as a governmental or private provider of "broadband Internet service," which is defined as a service that provides access to the Internet through a technology other than analog technology. ~~In addition, the department must develop, maintain, and keep current a database that identifies the cost of the different broadband Internet services that are available to a member of the public or consumer.~~

The bill also requires the department to make the map and database available to the public at no cost, including by making ~~it~~^{and} available over the Internet. Finally, the bill requires the department to promulgate rules that require broadband Internet service providers to supply the department with any information necessary for the department to carry out its duties under the bill.

MOVE

INSERT A ✓

and them

BILL

For further information see the *state* fiscal estimate, which will be printed as an appendix to this bill.

The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:

1 SECTION 1. 560.055 of the statutes is created to read:

2 **560.055 Broadband Internet information.** (1) In this section:

3 (a) "Broadband Internet service" means a service that provides access to the
4 Internet through a technology other than analog technology.

5 (b) "Broadband Internet service provider" means a governmental or private
6 provider of broadband Internet service.

7 (2) The department shall do all of the following:

8 (a) Develop, maintain, and keep current a ~~map~~ ^{database} that identifies all the broadband
9 Internet service providers that are available to a member of the public or consumer

10 in this state based on the member's or consumer's location and a ~~database that~~ ^{database}

11 ~~identifies~~ the cost of the different broadband Internet services offered by such

12 broadband Internet service providers. ^{under par. (a) and any map under par. (b)}

13 (b) Make the ~~map~~ ^c database available to the public at no cost, including by
14 making the ~~map~~ ^d database available over the Internet.

15 (c) ^d Promulgate rules that require broadband Internet service providers to
16 supply the department with any information necessary for the department to carry
17 out its duties under this section.

18 **SECTION 2. Nonstatutory provisions.**

19 (1) RULES DEADLINE. The department of commerce shall submit in proposed
20 form the rules required under section 560.055 (2) ^d (c) of the statutes, as created by this
21 act, to the legislative council staff under section 227.15 (1) of the statutes no later

INSERT 2-12 ✓

BILL

1 than the first day of the 10th month beginning after the effective date of this
2 subsection.

3 (END)

INSERT A

new 91

The bill also requires the department to develop, maintain, and keep current a map that identifies all the broadband internet service providers that are available to a member of the public or consumer in this state, but only if the department determines that it is practicable to develop and maintain such a map and that the map would provide beneficial information to members of the public or consumers in this state.

(end of insert A)

INSERT 2-12

4731/3

(b) Develop, maintain, and keep current a map that identifies all the broadband internet service providers that are available to a member of the public or consumer in this state based on the member's or consumer's location, if the department determines it is practicable to that (develop, maintain, and keep current such a map ~~is practicable~~ and if the map would provide beneficial information to members of the public or consumers in this state.

end of insert 2-12

Beam, Laura

From: Beam, Laura
Sent: Monday, March 11, 2002 11:54 AM
To: Rep.Shilling
Subject: LRB-4731/3 per your request



01-4731/3