

# Re: FYI – Long Term Future of GPS

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- *From:* "Tom Potter" <[tdp1001@xxxxxxxxxx](mailto:tdp1001@xxxxxxxxxx)>
  - *Date:* Sun, 10 Feb 2008 20:48:47 +0800
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"Sam Wormley" <[swormley1@xxxxxxxxxx](mailto:swormley1@xxxxxxxxxx)> wrote in message  
[news:MSTqj.20898\\$9j6.16288@xxxxxxxxxxxxxx](mailto:news:MSTqj.20898$9j6.16288@xxxxxxxxxxxxxx)

Tom Potter wrote:

"Sam Wormley" <[swormley1@xxxxxxxxxx](mailto:swormley1@xxxxxxxxxx)> wrote in message  
[news:q7Rqj.20571\\$yE1.11650@xxxxxxxxxxxxxx](mailto:news:q7Rqj.20571$yE1.11650@xxxxxxxxxxxxxx)

Tom Potter wrote:

"Sam Wormley" <[swormley1@xxxxxxxxxx](mailto:swormley1@xxxxxxxxxx)>  
wrote in message  
[news:IFqj.19773\\$yE1.18457@xxxxxxxxxxxxxx](mailto:news:IFqj.19773$yE1.18457@xxxxxxxxxxxxxx)

Long Term Future of GPS  
<http://pnt.gov/public/2008/2008-01-NTM/crews.pdf>

Col. Mark Crews, U.S. Air  
Force

This briefing provides an  
update on the GPS  
modernization program and  
provides a glimpse of  
future capabilities beyond  
GPS III.

As can be seen by Sam's reference,  
the thrust of America's future GPS effort  
is directed toward getting Washington  
decision makers  
to realize that the emerging GPS systems of  
Russia, Europe,  
and China represent a serious threat to the  
\$20,000,000,000.00

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and rapidly growing commercial GPS  
market,  
now dominated by America,

and that policies must be made to  
hype the American GPS system,  
and to get Russia, Europe and China to adopt  
America  
standards for future generation GPS systems,  
so that America will not be eliminated from  
the GPS markets  
in the near future.

Don't mistake hype for reliable capability, Potter.  
You froth so easily.

Wake up Sam!

The GPS system is accurate and reliable,

BUT.....

Europe, Russia, and China are launching their own  
GPS systems, they, and all Muslim nations,  
and many Latin American and African nations will  
abandon the American system,

Why would they?

Do any other systems work?  
Who's using these other systems?

because they don't trust America anymore,  
as they fear that America might degrade the system at any time,  
and create havoc for them, their planes, ships, vehicles,  
and all the systems that depend upon the GPS System.

Bullshit on your part, Potter.

Unless something drastic is done:

1. American manufacturers will lose hundreds of  
billions dollars in sales.

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Not happening Potter!  
GNSS receivers are built by companies all over  
the world now!

2. The American military will not have a monopoly on  
the world's navigation.

Interoperability will benefit even the military.

3. More GPS research and development will go into  
non-American systems as that will be where the market is going.

GPS research and development has always been a global  
phenomenon.

4. The American military will lose out  
as more of the world's resources focus on non-American  
GPS systems, and more devices, systems, software and techniques  
are funneled into non-American systems.

The military loses nothing... there are no revenues  
to the military.

The military found out that in house, Mil Spec devices  
and systems cannot not compete with free market creativity,  
and it now depends upon the use of free market devices  
and systems. In ten years the military of the nations that  
abandon the American GPS system will have more  
devices, technology, software, and technology to play with,  
and they will be able to manufacture weapon systems  
that are faster, cheaper, lighter, more accurate,  
and less affected by artifact.

The military loses nothing... there are no revenues  
to the military. Get a grip Potter.

Anyone with a good reading comprehension can plainly see  
that your reference indicates that the American GPS Guru's  
are eyeball to eyeball to the other systems,  
and they have blinked! ( And wisely so. )

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You should read...

Long Term Future of GPS

<http://pnt.gov/public/2008/2008-01-NTM/crews.pdf>

Includes other GNSS signal info

Face the facts Sam.

Few nations in the world respect and trust America anymore.

They sure do invest in the US, Potter

GPS flight will compound Dollar flight  
and national power flight.

Make your case!

Frankly, I don't think they will be able to  
save the American GPS system,  
and in ten or fifteen years it will be only used by the American  
military, and it will be a more costly and less effective system.

Free to users world wide. Reliable and robust.

The smartest thing the American military can do,  
is start hedging their bets, by adapting to the other systems.

Are there any other reliable working systems? Eh Potter?

First the world, and then Americans,  
will migrate to the non-American GPS systems,  
and unless they adapt, the American military will  
be left with a costly, inferior system.

Free to users world wide. Reliable and robust.  
Potter fails to grasp the most basic concepts.

Pity Potter!

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Consider this Sammy, if you were a government leader in Russia, China, Japan, a Muslim nation, a Latin–American nation, an African nation, and even a European nation, and did not trust the American government and military, and you wanted to break up America's monopoly on the GPS system,

would you switch to a non–American GPS system. so that you wouldn't have to worry about some nut in the American government or the American military either disrupting all of your GPS–dependent system, or using the GPS system against you militarily,

or would you stick with the \*\*\*Military Controlled\*\*\* American GPS System?

Regarding Sammy's assertion:

The military loses nothing... there are no revenues to the military."

As I pointed out:

"The military found out that in house, Mil Spec devices and systems cannot not compete with free market creativity, and it now depends upon the use of free market devices and systems. In ten years the military of the nations that abandon the American GPS system will have more devices, technology, software, and technology to play with, and they will be able to manufacture weapon systems that are faster, cheaper, lighter, more accurate, and less affected by artifact."

If the American Government cannot convince Europe, Russia, and China to design their future systems to be compatible with America's system,

the systems will diverge in many ways, base frequencies, modulation, base time, pseudo codes, etc. and thus the antenna's, front ends (Radio frequency receivers), correlators, etc will be different,

and as most nations will migrate to \*\*\* non–military \*\*\* GPS systems, and eventually American consumers will follow because of the lower cost, and better performance, and the security of knowing that a government or military nut cannot disrupt their GPS system,

the American military will become the primary user of its own system, and most of the creative work on antennas, receivers, correlators, programs, chip sets, etc. will be done on non–military systems, and the American GPS system will fall behind in cost, performance, and general usefulness, and the American taxpayer will be forced to support an aging, outdated system used only by the military.

As can be seen from Sammy's reference, the GPS Gurus know that unless they can get Europe, Russia and China to adopt frequencies and techniques that permit the American GPS industry to piggy back on non–American GPS developments and manufacturing of antennas, transmitters, receivers, digital circuits, software, etc. that the America GPS system will fade away.

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Tom Potter

<http://www.geocities.com/tdp1001/index.html>

<http://home.earthlink.net/~tdp>

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<http://notsocrazyideas.blogspot.com>

<http://groups.msn.com/PotterPhotos>