

Local

# The new way police are surveilling you: Calculating your threat ‘score’

By [Justin Jovenal](#)

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FRESNO, Calif. — While officers raced to a recent 911 call about a man threatening his ex-girlfriend, a police operator in headquarters consulted software that scored the suspect’s potential for violence the way a bank might run a credit report.

The program scoured billions of data points, including arrest reports, property records, commercial databases, deep Web searches and the man’s social-media postings. It calculated his threat level as the highest of three color-coded scores: a bright red warning.

The man had a firearm conviction and gang associations, so out of caution police called a negotiator. The suspect surrendered, and police said the intelligence helped them make the right call — it turned out he had a gun.

As a national debate has played out over mass surveillance by the National Security Agency, a new generation of technology such as the Beware software being used in Fresno has given local law enforcement officers unprecedented power to peer into the lives of citizens.

Police officials say such tools can provide critical information that can help uncover terrorists or thwart mass shootings, ensure the safety of officers and the public, find suspects, and crack open cases. They say that last year’s attacks in Paris and San Bernardino, Calif., have only underscored the need for such measures.

But the powerful systems also have become flash points for civil libertarians and activists, who say they represent a troubling intrusion on privacy, have been deployed with little public oversight and have potential for abuse or error. Some say laws are needed to protect the public.

In many instances, people have been unaware that the police around them are sweeping up information, and that has spawned controversy. Planes outfitted with cameras filmed protests and unrest in Baltimore and Ferguson, Mo. For years, dozens of departments used devices that can Hoover up all cellphone data in an area without search warrants. Authorities in Oregon are facing an internal investigation after using social media-monitoring software to keep tabs on Black Lives Matter hashtags.

## An arsenal of high-tech tools

Fresno's futuristic control room, which operates around the clock, sits deep in its headquarters and brings together a handful of technologies that allow the department to see, analyze and respond to incidents as they unfold across this city of more than 500,000 in the San Joaquin Valley.

On a recent Monday afternoon, the center was a hive of activity. The police radio crackled over loudspeakers — “subject armed with steel rod” — as five operators sat behind banks of screens dialing up a wealth of information to help units respond to the more than 1,200 911 calls the department receives every day.

On 57 monitors that cover the walls of the center, operators zoomed and panned an array of roughly 200 police cameras perched across the city. They could dial up 800 more feeds from the city's schools and traffic cameras, and they soon hope to add 400 more streams from cameras worn on officers' bodies and from thousands from local businesses that have surveillance systems.

The cameras were only one tool at the ready. Officers could trawl a private database that has recorded more than 2 billion scans of vehicle licenses plates and locations nationwide. If gunshots were fired, a system called ShotSpotter could triangulate the location using microphones strung around the city. Another program, called Media Sonar, crawled social media looking for illicit activity. Police used it to monitor individuals, threats to schools and hashtags related to gangs.

Fresno police said having the ability to access all that information in real time is crucial to solving crimes.



“It’s a very unrefined, gross technique,” Nabarro said of Beware’s color-coded levels. “A police call is something that can be very dangerous for a citizen.”

Still, Nabarro is not the only one worried.

Councilman Clinton J. Olivier, a libertarian-leaning Republican, said Beware was like something out of a dystopian science fiction novel and asked Dyer a simple question: “Could you run my threat level now?”

“Even though it’s not me that’s the yellow guy, your officers are going to treat whoever comes out of that house in his boxer shorts as the yellow guy,” Olivier said. “That may not be fair to me.”

An Intrado representative responded to an interview request seeking more information about how Beware works by sending a short statement. It read in part: “Beware works to quickly provide [officers] with commercially available, public information that may be relevant to the situation and may give them a greater level of awareness.”

...the surveillance creates vast amounts of data, which is increasingly pooled in local, regional and national de-

Law enforcement officials say such tools allow them to do more with less, and they have credited the technol

cell site simulators, which mimic a cellphone tower and scoop up data on all cellphones in an area, have been

it those benefits have sometimes come with a cost to privacy. Law enforcement used cell site simulators to

The fact that public discussion of surveillance technologies is occurring after they are in use is backward, said

1/6/2018 THE WASHINGTON POST 'Beware' App: Calculating Your Threat Score? THE WASHINGTON POST  
“We think that whenever these surveillance technologies are on the table, there needs to be a meaningful debate,” Cagle said. “There needs to be safeguards and oversight.”


After the contentious hearing before the Fresno City Council on Beware, Dyer said he now wants to make changes to address residents’ concerns. The police chief said he is working with Intrado to turn off Beware’s color-coded rating system and possibly the social media monitoring.

“There’s a balancing act,” Dyer said.

*An earlier version of this story incorrectly identified the nature of the probe Oregon authorities are facing for allegedly monitoring Black Lives Matter traffic on Twitter. It is an internal investigation.*

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