Potential Participants (from the Stanford Symposium)

University-based Technologists

Jeff Brantingham, Professor, UCLA
Greg Hager, Professor, Johns Hopkins
Yaser Sheikh, Associate Professor, Carnegie Mellon University
Vitaly Shmatikov, Professor, Cornell University
Jacob Sniff, MIT Media Lab
Dan Jurafsky, Linguistics and Computer Science, Stanford University

Police Department Representatives

Maggie Goodrich, CIO, LAPD
Sgt. Dan Gomez, LAPD
Assistant Chief Paul Figueroa, Oakland PD
Sgt. Dave Burke, Oakland PD
Commander Robert Moser, SFPD
Chief Scott Thomson, Camden County PD
Chief Laura Wilson, Stanford University PD
Deputy Chief Andrew Acord, Dallas PD
Craig D. Uchida, LAPD Research Partner, Justice & Security Strategies, Inc.

Use Cases

A. Definition:
   - A use case is a methodology used in system analysis to identify, clarify, and organize system requirements to capture the possible ways the user and system can interact that result in the user achieving a goal.
   - They describe the step by step process a user goes through to complete that goal using a software system.
   - They also capture all the things that can go wrong along the way that prevent the user from achieving the goal.
   - A use case can be thought of as a collection of possible scenarios related to a particular goal

B. A use case (or set of use cases) has these characteristics:
   - Organizes functional requirements
   - Models the goals of system/actor (user) interactions
   - Records paths (called scenarios) from trigger events to goals
   - Describes one main flow of events (also called a basic course of action), and possibly other ones, called exceptional flows of events (also called alternate courses of action that an be achieved through textual and visual representations)

C. According to CALEA, the following is a sample list of officer interactions where BWCs could support officers and use cases could be identified:
- Service calls.
- Primary response (patrol in vehicle).
- Self-initiated public contacts/foot patrol.
- Bicycle/motorcycle patrol.
- Emergency response/first responders.
- Searches (vehicle or site).
- SWAT.
- Corrections.

Attachments:

1.   Law Enforcement RMS from BJA:
a.   This attachment has 'use case' visual charts and representations (including MULIPLE ACTORS) for incident reporting (p.10), investigative case management (p.14), serving warrants, and several additional examples
2.   Use Case-template:
a.   This is a template and example of how a student would register for classes (and alternative steps to take if there were issues)
3.   ATM use case interactive example:
a.   http://www.math-cs.gordon.edu/courses/cs211/ATMExample/UseCases.html#Startup
b.   http://www.math-cs.gordon.edu/courses/cs211/ATMExample/InitialFunctionalTests.html
c.   Examines each part of process (scroll up, click on the goals, page links, explore J)

I think for our situation: it's how the police agencies, through a step by step process, can obtain the info/data/their "goal" from the body worn camera footage- basically, whatever the PDs decide they want/can use out of the footage. (This is what we want to learn from our 'Police experts' in our upcoming discussions.) Our role- we would then work with the tech agencies to come up with the written or chart visual 'use case' (or cases) to achieve these goals (with the software, algorithms etc.)...but translating tech speak to English for the PDs. And within that use case, there would be all different scenarios if something goes wrong with the BWC footage and technology and would address all the what if's the police agencies may encounter in obtaining that goal.