Navigating the Logistical and Legal Issues Associated with On-Board Systems

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ANOTHER DAY ON THE ROADS
EXPECT THE UNEXPECTED
INTRODUCTION TO ON-BOARD SYSTEMS

-- what are they?

-- company goals regarding implementation

-- is there a standard of care?

-- custom and practice in the industry?

-- best practices?

-- what do the experts say?
# Video Solutions

More options and configurability than ever before

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EVENT RECORDER CAPABILITIES

- Event-based trigger/recording
  - Accelerometer, speed, manual
- Data Capture:
  - 12 or 20 second video clips
  - Time, data, GPS location, speed, accelerometer readings
- Configurations:
  - Lens - Dual or road-view only
  - Audio – on or off

- Same features as legacy models
  - Option for 100 hours of continual recording, stored on device
  - Ability to livestream, browse and upload custom length clips
  - Ability to connect to auxiliary cameras
  - Machine Vision / Artificial Intelligence
    - Lane departure, following distance
    - Distraction detection: cell phone, eating, smoking, no seat belt
    - Detection of stop signs/rolling stop
SUBSCRIPTION SERVICES – YOU GET WHAT YOU PAY FOR

KNOW WHAT HAPPENED

Answers faster.
- Access to continual recording
- Self review
- Self coaching

MANAGE YOUR DRIVERS

Visibility at the right time.
- Event capture, auto-upload
- Self review
- Self coaching

CHANGE BEHAVIOR

Safer driving habits.
- Event capture, auto-upload
- Event review
- Coaching workflow
SEARCH CAPABILITIES WITH CONTINUAL VIDEO

- GEOSEARCH: SEARCH FOR VIDEO BY LOCATION
UPLOADING/SAVING VIDEO --- CONTINUAL VIDEO

GEOSEARCH: SEARCH FOR VIDEO BY LOCATION

SELECT VIDEO

Select the video you would like to transfer

SAVE

Save video to the cloud to view later or download locally
# CONTINUAL VIDEO RECORDING

## BENEFITS

- Confirm validity and accuracy of an event in minutes
- Expedite resolution of claims — personal injury and workers compensation
- Exoneration
- Policy compliance

## CONSIDERATIONS

- How much video should you retain?
- Do you need to make any changes to your company policies — i.e., employee discipline, training, data retention, collision protocol, etc.?
- Are safety program goals being addressed?
**MV+AI Definition**

**What is it?**

**Machine Vision**

Provides the ability to **see** and **recognize** objects and human behavior using one or more images.

I **SEE** a cell phone

**Artificial Intelligence**

Intelligently **interpret** and **learn** from data derived from all types of machine intelligence to achieve a particular goal or objective.

Is this cell phone use **RISKY**?

- **NOT** risky
- **RISKY**
MV + AI: IN ACTION
BEHAVIOR RISK PATERNs
MV + AI: IN ACTION
ROLLING STOP
### Benefits
- Device as a sensor – continual monitoring without continual video
- Timely insights and alerts on certain behaviors and triggers (i.e. distractions)
- Trip data & analysis

### Considerations
- How helpful is non-video data to safety goals?
- How long should you retain the data?
- Do you have any obligation to act on the data?
- Do you need to make any changes to your company policies?
DRIVER COACHING UTILITY FIX

- How often?
- Logistics (in-person vs over the phone)
- Who does the coaching?
MANAGEMENT/EXECUTIVE REVIEW OF RESULTS BY DRIVER

- how often?

- who to review (i.e., what is the cutoff for points/coachable events in a time period)?

- written policies for discipline vs. flexibility of a reviewing committee

- how much leash do you give a repeat offender?

- walking the fine line between discipline and driver retention

- harmonizing other company policies to be consistent with these policies
DRIVER SAFETY PROGRAM – COACHING WORKFLOW

DUE FOR COACHING
- Review the number of tasks due for coaching or search by group or driver

EVENT CLIPS
- Identify meaningful behaviors
- Client chooses categories for coachable events
- Lyft reviewers do not review collisions

NUMBER OF EVENTS
- Indicates the number of coachable events per driver
DRIVER SAFETY PROGRAM – DRIVER COACHING SESSION

EVENT CLIPS
- Reviewed and scored event clips ready for coaching

EVENT SCORES
- Used to manage safety program
- Enables benchmarking risk by industry
- Allows prioritization of client safety initiatives

ADDITIONAL CAMERA VIEWS
- Indicates the additional camera angles that are available and online
# SAFETY PROGRAM – COACHING WORKFLOW

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<th>Benefits</th>
<th>Considerations</th>
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<td>Proactive approach to improving driver safety</td>
<td>Are you prepared to implement a comprehensive program – i.e. coaching, enforcing policies, etc.?</td>
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<tr>
<td>Provides coaching opportunities for driver behavior change</td>
<td>Which behaviors do you coach?</td>
</tr>
<tr>
<td>Reduces unsafe behaviors and collisions</td>
<td>How do you document that you are addressing behaviors – i.e. coaching notes?</td>
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<td>Can be a defense to punitive damages</td>
<td>How long do you retain data?</td>
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<td>Do you need to make any changes to your company policies?</td>
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DATA RETENTION AND SPOLIATION ISSUES

Data Retention

- What videos should a company retain internally?
- How long should the videos be retained?
- How should they be shared internally?
- Vendor retention for videos and metadata
- Internal controls for retention and sharing of metadata
DATA RETENTION & DATA CAPTURE

**Data Retention** --- capabilities may vary
- Downloaded video available in the UI for 90 days and in vendor archives for 9 months (may vary) thereafter (total of one year)
- DVR video – approximately 100 hours stored locally on the device, client must download video
- Client can download video for longer retention
- Custom data retention periods are available

**Event Data Capture**
- Date/time of event and download, accelerometer readings, GPS location data (lat./long. coordinates, track points), trigger type, behaviors associated with event (non-collisions), event score, and any coaching notes entered in by client
C O L L I S I O N  P R O T O C O L

B E S T  P R A C T I C E S

- Obtain Collision Video
  - Retrieve event video through UI / Lytx Account – force send if needed
  - Retrieve additional video from DVR per your policy
  - Limit access - quarantine collision video if possible
  - Save video in proprietary file format - .dce file
  - File feeds embedded in video file – avoid surprises

- Photograph location of event recorder on windshield – may be useful in accident reconstruction analysis

- Obtain/preserve other video event clips of driver?
- Obtain/preserve reports?
- Contact your attorney!
Utilizing the Video

- Sharing video in liability vs. non-liability situations
- Sharing with law enforcement
- Internal evaluation for other purposes (i.e., monitoring cell phone use, lane departures)
- Effective use during the claims stage with opposing counsel
- Effective use during mediation, trial, etc.
POLICE REPORTS
DON'T ALWAYS GET IT RIGHT

Accident Diagram:

Narrative:

VEHICLE ONE AND TWO WERE TRAVELING WESTBOUND 495 IN LANE 4. VEHICLE ONE FAILED TO CONTROL SPEED TO AVOID COLLISION STRIKING VEHICLE TWO IN THE REAR.

NO DAMAGE TO STATE PROPERTY

ALL EVENTS OCCURRED IN MONTGOMERY COUNTY MARYLAND.

1 INJURY

BETHESDA

Crash Type:

Collision Type: Same Dir Rear End
EXONERATION