

# Motorcoach Telematics as a Driver Coaching Tool

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IMPLEMENTATION DATE MAY 1ST 2019  
APPROXIMATELY 100 UNITS

# Improving driver behavior through video review and coaching

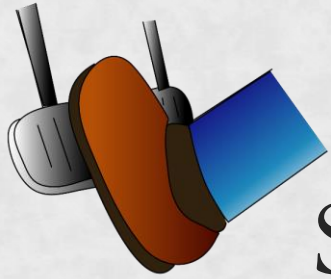
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- System Functionality
- Staffing Allotment
- Common Events
- Monitoring and Coaching Procedure
- Accident Reduction
- Targeted Training

# System Functionality

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- Artificial Intelligence
- Facial recognition
- Automatic safety score evaluation
  - $\text{Safety Score} = 100 - (\text{harsh events/miles driven} * 1000) - (\text{Time over speed limit/total time driving} * 100)$
- Global Positioning System
- Nationwide wireless download
- Continuous recording
- Accident Event Recording



## Triggered Events



Since implementation: 332 Events

- \*Rolling Stop (Stop Signs) - 135 Events
- \*Harsh Braking - 120 Events
- Harsh Turn - 40 Events
- Harsh Acceleration – 26 Events
- Distracted Driving (Monitors eye focus/motion) - 21 Events
- Speed Notification (5 MPH over any posted limit)

*\*Current prevailing trend - (Events most frequently recorded)*



# Monitoring and Coaching Procedure



- Introduction to drivers prior to implementation
- Triggered event reviewed by camera system reviewer/driver coach
- Incident is described and categorized/sent to a safety supervisor
- Supervisor review/schedule appropriate coaching session
- Follow-up action - Documented
- Discipline - No discipline (Progressive discipline to be instituted in near future)

# Speeding Events



- Phone counseling – first event.
- In person counseling – second event.
- Retraining session – Third event or 10 MPH over posted speed.
- Potential discipline - company policy > 15MPH; suspension, written warning, retrain.

# Harsh Turn Event



(Driver found not wearing a seatbelt.  
Phone Counseling for the first occurrence.



Clarity of video/still photos, identifies driver and location

# Harsh Brake Event



(Driver also not wearing seatbelt correctly)  
Retrain based on this, and previous triggered events.



Same clarity with low light conditions inside and outside the bus



# Roll Stop Event

(Driver found not wearing seatbelt)

In person counseling session (no previous events)



In person coaching session based on the traffic control violation.



# Distracted Event

(Driver found not wearing seatbelt)  
In person counseling session.



# Benefits of Program

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- Accidents have declined
- Driver performance has improved
- Heightened awareness among drivers to comply with all safety practices
- Simplified data collection for driver training file/scoring mechanism
- Program is used in all pre-service driver training
- Passenger complaint/injury claim resolution

