Questionnaire on In-Vehicle Monitoring Systems Implementation

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What are in-vehicle monitoring systems?

In-vehicle monitoring systems (IVMS), are computer systems that record data about a vehicle's operation that are then used by insurers, parents, employers, or others to influence driver behaviors. In-vehicle monitoring systems (IVMS) are increasingly being implemented by companies in the oil and gas extraction industry to understand the use of their vehicles and the behaviors of their drivers. IVMS may be described using other terms, such as telematics, on-board monitoring systems, driving improvement monitoring systems, in-vehicle data recorders, fleet management apps, or driver risk management systems.

Questionnaire scope

This questionnaire was designed for oil and gas industry professionals who use IVMS in their daily work. The questions pertain exclusively to US fleets and direct-hire employees unless the question specifically asks about contractors. Business relationships in oil and gas can be complex. Here are definitions for some of the terms we use:

- Establishment: a single physical location where one predominant business activity occurs.
- **Firm**: an establishment or a combination of establishments defined by its unique Employer Identification Number (EIN) issued by the Internal Revenue Service (IRS). Firms operate in one industry or in multiple industries.
- **Enterprise**: a firm or a combination of firms that engages in economic activities which are classified into multiple industries. An enterprise may report under one or a number of EINs.

Please respond to the best of your abilities.

Module 1: IVMS Planning

Company Characteristics

1.1. What type of firm do you work for?

- a. ____Oil and gas operator (NAICS 211)
- b. ____ Oil and gas drilling company (NAICS 213111)
- c. ___ Oil and gas servicing company (NAICS 213112)
- d. ___ Other type of company: ______
- e. __ Unsure
- f. ___ Prefer not to say

1.2. What is your role in fleet safety management?

- a. ____ Fleet safety manager or equivalent
- b. ____ HSE professional
- c. ___ Other (please specify): ______
- d. __ Unsure
- e. ___ Prefer not to say

1.3. Considering all of its U.S. employees, how big is the firm you work for?

- a. ___ Less than 20 employees
- b. ____ 20-49 employees
- c. ____ 50-99 employees
- d. ___ 100-499 employees
- e. ____ 500 employees or greater
- f. __ Unsure
- g. ___ Prefer not to say
- 1.4. What is the scope of your responsibilities for monitoring and managing fleet safety?
- a. A specific location, such as an establishment, with a single address
- b. A group of locations, such as a region or a given business activity
- c. All locations for your company
- d. Unsure
- e. __ Prefer not to say

1.5. In which basin(s) do you primarily focus? Select all that apply.

- a. ___ Anadarko
- b. __ Appalachian
- c. __ Ardmore
- d. __ Cherokee Platform
- e. __ Denver
- f. ____ Fort Worth
- g. __ Permian
- h. ___ Powder River
- i. ___ San Joaquin

- j. ____ TX-LA-MS Salt
- k. ___ Uinta-Piceance
- I. ___ Western Gulf
- m. __ Williston
- n. ___ Other (please specify):
- o. __ Unsure
- p. __ Prefer not to say

1.6. Approximately how many employees in your scope are currently approved to drive a fleet vehicle?

1.7. Approximately how many employees in your scope currently have regular access to a fleet vehicle (i.e., every workday or almost every workday)?

1.8. Approximately what percentage of drivers in your scope have a commercial driver's license?

1.9. Approximately how many fleet vehicles do you have in your scope?

- a. Light (up to 10,000 lbs.) _____
- b. Medium (10,001 to 26,000 lbs.) _____
- c. Heavy (over 26,000 lbs.) _____
- 1.10. Approximately what percent of the vehicles in your scope are equipped with IVMS?
- a. Light (up to 10,000 lbs.) ______%

- b. Medium (10,001 to 26,000 lbs.) ______ %
- c. Heavy (over 26,000 lbs.) ______%

Company Goals

1.11. What are the top three reasons for implementing IVMS in your fleet?

- a. ____ To reduce our rates of collisions (and injuries / fatalities associated with collisions)
- b. ____ To reduce workers compensation injury costs associated with collisions
- c. ____ To reduce vehicle damage and/or auto liability costs associated with collisions
- d. ____ To reduce costs and liability exposure associated with operating our fleet
- e. ____ To improve fuel efficiency / "green" / "eco" / "climate-friendly" driving
- f. ____ To reduce fleet wear and tear
- g. ____ To improve driving skills and behaviors in our workforce
- h. ____ To monitor drivers' compliance with regulatory/legal requirements
- i. ____ To monitor drivers' compliance with our own motor vehicle safety policies
- j. ____ To fine-tune our journey management program
- k. ___ Other (please specify)

Scope

- 1.12. Approximately how long have you had the *current* In Vehicle Monitoring System (IVMS) operating in at least one of your fleet vehicles?
- a. ___ Years and ____ months (enter 0 years if less than 1 year)
- b. __ Unsure
- c. __ Prefer not to say
- 1.13. Approximately how long have you had *any* In Vehicle Monitoring System (IVMS) operating in at least one of your fleet vehicles?
- a. ____Years and _____months (enter 0 years if less than 1 year)
- b. __ Unsure
- c. ___ Prefer not to say
- 1.14. Please write down the term most used in your company to describe IVMS. Examples include Invehicle monitoring system, telematics, on-board monitoring systems, driving improvement monitoring systems, in-vehicle data recorders, fleet management apps, or driver risk management systems.
- 1.15. What type of IVMS system do you use?
- a. ___ Hardware-based / permanently mounted / wired system
- b. ___ Plug-in system

- c. ___ Mobile phone app / Mobile software solution
- d. ___ OEM (original equipment manufacturer) Telematics come already built into the vehicle's electronics system (for example, OnStar)
- e. __ Other (please specify) _____
- f. ____ Not sure

1.16. Which of the following data do you collect with your IVMS? Please check all that apply.

- a. __ Driver-facing camera video
- b. ___ Forward-facing camera video
- c. ___ GPS location / Geofencing
- d. __ Speed
- e. ___ Speeding events over a fixed maximum speed limit (e.g. 85 mph)
- f. ____ Speeding events in relation to the posted speed limit
- g. ___ Rapid acceleration

- h. ___ Harsh braking / deceleration
- i. ___ Harsh turns / harsh cornering
- j. ____ Seat belt use
- k. __ Mobile phone use
- I. ____ Eyes off road for any reason
- m. ___ Fatigued driving
- n. ___ Lane departure
- o. ___ Other (please specify):
- 1.17. How do you keep track of which drivers are alone?
- a. The IVMS has that capability
- b. We combine IVMS data with other data sources to identify lone drivers
- c. We do not currently track whether our drivers are working alone
- d. Unsure
- e. Prefer not to say
- 1.18. Please indicate if the following metrics are recorded and stored for individual fleet vehicles, regardless of whether the data are collected by IVMS.
- __ Miles driven
- ___ Driving time / time operated
- ___ Idling time
- ____ Fuel consumption
- ____ vehicle on / off / # trips per day
- 1.19. What additional features are available through your IVMS? Select all that apply.
- a. __ Data downloads
- b. ____ Detailed data or video from before and after an incident
- c. ___ Reports at the vehicle level
- d. ___ Reports at the driver level
- e. ___ Reports by operating unit
- f. ____ Reports at the basin level
- g. ____ Satellite communication
- h. ____ Two-way communication without voice
- i. ____ Two-way communication with voice
- j. ___ Panic button

- k. ___ Data recorded for at least one week even when out of cell range
- I. ___ Real-time tracking
- m. ___ The ability to upload company geo-data (e.g., private roads)
- n. ___ An application programming interface (API) to share data to/from the IVMS
- o. ___ Lone worker emergency alerts
- 1.20. What type of feedback does your IVMS provide immediately inside the vehicle to the driver? Select all that apply.
- a. __ None
- b. ____ Visual lights (e.g., red/yellow/green)
- c. ___ Audible beep or tone
- d. ____ Audible voice warning/notification
- e. ___ Haptic feedback (e.g. vibrating seat or steering wheel)
- f. __ Other (please specify): _____
- 1.21. Are employees allowed to use vehicles for personal use?
- a. ___ Yes, full personal use
- b. ____Yes, limited personal use
- c. ___ No (this may include a rare exception for use in an emergency)
- d. __ Unsure
- e. ___ Prefer not to say
- 1.22. If employees are allowed to use vehicles for personal use, are employees' spouses/domestic partners allowed to drive the vehicles?
- a. __Yes
- b. ____ No (this may include a rare exception for use in an emergency)
- c. __ Unsure
- d. ___ Prefer not to say
- 1.23. If you hire contractors, do you require they have IVMS on their vehicles?
- a. ___ Yes, on all heavy vehicles (over 26,000 lbs.)
- b. ___ Yes, on all medium vehicles (10,001 to 26,000 lbs.)
- c. ___ Yes, on all light vehicles (up to 10,000 lbs.)
- d. ___ Yes, on particular vehicles or in particular circumstances
- e. ____ No IVMS requirements
- f. __ Unsure
- g. ___ Prefer not to say
- h. ____ My organization does not hire contractors
- 1.24. If you hire contractors and require IVMS, do you require they share IVMS data with you? Select all that apply.

- a. ___ Contractors are required to share unrefined data (aka raw data)
- b. ____ Contractors are required to share aggregated metrics generated by an IVMS
- c. ___ Contractors are required to share IVMS data only after a motor vehicle incident, such as a collision or serious injury
- d. ____ Contractors are required to share with us how they are using IVMS data
- e. __ No
- f. __ Unsure
- g. ___ Prefer not to say
- h. ___ My organization does not hire contractors and/or does not require IVMS
- 1.25. If you hire contractors, do you allow contractors to budget for IVMS separately from other contract-related expenses?
- a. __ Yes
- b. __ No
- c. __ In some circumstances
- d. <u>Unsure</u>
- e. ___ Prefer not to say
- f. ____ My organization does not hire contractors

Communication with Workforce

- 1.26. Before implementing your current IVMS did you explain any of the following potential benefits to drivers? Select all that apply.
- a. ____ A reduction in work-related crashes due to fatigue and at-risk driving behaviors
- b. ____ The ability to quickly find the driver in an emergency
- c. ___ Evidence of safe and fuel-efficient driving
- d. ___ Protection for drivers from false third-party claims
- e. __ Improved safety for drivers' family and friends, as improved defensive and fuel-efficient driving skills will extend to personal driving
- 1.27. Before implementing your current IVMS did you do any of the following? Check all that apply.
- a. ___ Connect the new IVMS program to the company's overall motor vehicle safety program and goals
- b. ____Clarify the roles and responsibilities of employees
- c. __ Clarify the roles and responsibilities of managers
- d. ___ Manage any fears or resistance to installing the monitors and using the new system, including concerns about data privacy
- e. ___ Emphasize IVMS as a learning tool to help improve driving behaviors rather than a way to catch drivers' mistakes and punish them
- f. ____ Show drivers what safety professionals and managers were going to see from the IVMS and how the data would be used, like with a software demonstration

Module 2: IVMS Procurement

- 2.1. Which vendor do you use for your IVMS?
- a. ____
- b. __ Unsure
- c. ___ Prefer not to say

2.2. Which factors did you consider when selecting your IVMS? Select all that apply.

- a. ___ Durability of hardware
- b. __ Specifications and capabilities of the system
- c. __ Scalability
- d. <u>Resources required for</u> installation
- e. ___ Required maintenance
- f. ____ Availability of technical and customer support
- g. ___ Availability of system updates

- h. ___ Communication capabilities and requirements of the IVMS
- i. ___ Satellite coverage
- j. ____ Ability to operate without network connectivity
- k. ___ Electronic data privacy
- I. ____ The vendor's understanding of your needs and how their IVMS solution met those needs
- m. __ Unsure
- n. ___ Prefer not to say

IVMS Pilot Test

2.3. Did you conduct a pilot test with your current IVMS?

- a. __ Yes
- b. __ No
- c. __ Unsure
- d. __ Prefer not to say

2.4. If you conducted a pilot test with your current IVMS, what strategies did you use?

- a. ____Tested the product to ensure data were accurate.
- b. __ Reviewed data frequently during the pilot
- c. ____Tested monitors with default tolerances.
- d. ___Tested higher and lower tolerances to test full functionality.
- e. ___ Worked with a group of drivers willing to provide constructive feedback.
- f. __Scheduled regular briefings with test drivers.
- g. __Asked what drivers thought about the alerts in general.
- h. __ Asked drivers whether they understood what the alerts told them.
- i. __Asked drivers whether the alerts affected their driving.
- j. __Asked management whether the alerts made sense
- k. __ Sought management buy-in for IVMS use
- I. __ Compared pilot tests with more than one vendor
- m. __ Performed a test to ensure IVMS data are stored and safeguarded to comply with local laws

Module 3: IVMS Deployment

Training and Installation

- 3.1. Did your IVMS vendor provide training for supervisors and administrators?
- a. __Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say

3.2. Did your IVMS vendor provide training directly to company drivers?

- a. __Yes
- b. ___ No
- c. ____Unsure
- d. ___ Prefer not to say

3.3. Does IVMS training include any of the following elements? Select all that apply.

- a. ___ How the IVMS technology works
- b. ___ What the monitor records
- c. ____ How drivers are notified of a safety event (e.g., in-cab notification)
- d. ___ What the driver is expected to do in response to a safety event (e.g., in-cab notification)
- e. ___ What data will be collected
- f. ___ Why those data will be collected
- g. ___ How it will be protected
- h. ___ How frequently data will be reviewed
- i. ___ What will be done with the information to reduce event frequency (e.g., coaching, changing routes, etc.)
- j. ___ How to review IVMS scoring
- k. ___ How to interpret IVMS reports
- I. __ Protocols for reviewing safety events
- m. ___ Circumstances that could incorrectly trigger events
- n. ____ How drivers can report IVMS errors
- o. ___ How errors are corrected in the system

3.4. Approximately how many person-hours does your company dedicate to IVMS training each year? One person-hour is one person in training for one hour.

Data Processing and Management

3.5. How long do you retain IVMS data before it gets deleted?

- a. _____ Years and _____ months (enter 0 years if less than 1 year)
- b. ____ It depends on the metric
- c. __ Unsure
- d. ___ Prefer not to say

3.5.a [IF 3.5. = b THEN]

Please list how you long you retain your key metrics

Metric 1	##	Days/Months/Years
Metric 2	##	Days/Months/Years
Etc.	##	Days/Months/Years

3.6. Please select the following data management practices currently in place for your IVMS data. These could be addressed internally or through a contract with a vendor or third party.

- a. ___ Due diligence checks on the IVMS vendor server to ensure data are safeguarded
- b. ____ Ensuring data processing agreements are current
- c. __ Checking data localization rules and limitations for the chosen geographical area
- d. ___Knowing how long IVMS data should be kept and setting up automatic deletion rules
- e. ___ Seeking driver consent if IVMS event data/footage is to be used for training purposes
- f. ____ Processing only data needed for performance monitoring and driver coaching (considerations include company drivers versus contractor drivers, on-duty versus off-duty journeys)
- g. ___Limiting access to driver specific IVMS data as much as possible (especially video data)
- h. ____ For contractor staff, only processing aggregated or anonymized/pseudonymized data
- 3.7. Please select the following IVMS data quality practices currently in place at your company:
- a. ____ Calibration and standardization of IVMS metrics
- b. ___ Documented data cleaning processes
- c. ____ Feedback mechanisms to identify and correct errors

3.8. To the best of your knowledge please indicate whether your company has ever shared any in-vehicle monitoring system data, including aggregated data, with any of the following individuals or organizations:

- a. __ Insurance company
- b. ___ Contractor management company (for example, ISN, Veriforce)
- c. ____ Trade association
- d. ___ University researcher
- e. ___ Government researcher
- f. ___ Private researcher

- g. __ Emergency medical services organization
- h. ____Law enforcement
- i. ____Lawyers from outside of your company
- j. __ Other: _____

3.9. To the best of your knowledge please indicate whether your company currently shares any in-vehicle monitoring system data, including aggregated data, with any of the following organizations on a regular basis:

- a. __ Insurance company
- b. ___ Contractor management company (for example, ISN, Veriforce)
- c. ____ Trade association
- d. ___ University researcher
- e. ___ Government researcher
- f. ___ Private researcher
- g. __ Emergency medical services organization
- h. ____ Law enforcement
- i. __ Other: _____

Data Use

3.10. Who assists your company in interpreting your IVMS data? Examples would include creating scorecards or reports for individual drivers, groups of drivers, and/the company as a whole, assessing trends over time, assessing effectiveness of the program for meeting goals. Please check all that apply. (There will be a separate set of questions about driver coaching and feedback later)

- a. ___The same company from which we got our IVMS equipment
- b. ____ A company different from where we got our IVMS equipment, please name the company if you feel comfortable doing so (Specify: ______)
- c. ___ Fleet service provider (Specify: _____)
- d. ___Occupational/environmental health and safety consultant
- e. ___ IT/data analysis contractor
- f. ____ Some or all of the Work done in-house.

3.11. In which of the following situations does your company review or analyze IVMS data? Please check all that apply.

- a. ____ At the level of the firm on a regular schedule (for example, quarterly).
- b. ____ At the level of the basin on a regular schedule (for example, quarterly).
- c. ____ At the level of the individual driver on a regular schedule (for example, quarterly).
- d. ___ A single harsh-braking event.
- e. ____ Multiple harsh-braking events by an individual driver.
- f. ____ A single rapid acceleration event.
- g. ____ Multiple rapid acceleration events by an individual driver.
- h. ____ A single speeding event.
- i. ____ Multiple speeding events by an individual driver.
- j. ___ A single seat belt alert.

- k. ____ Multiple seat belt alerts by an individual driver.
- I. ___ A single distracted driver alert.
- m. ____Multiple distracted driver alerts by an individual driver.
- n. ____ Any time there is a collision, regardless of severity, we review IVMS data for the driver and vehicle.
- o. ___ We review IVMS data only for collisions that meet certain criteria (for example, severity level, type of incident, or involvement of another vehicle).
- 3.12. Do you analyze data from drivers employed by your contractors?
- b. __ No
- c. __ In some circumstances
- d. __ Not sure
- e. __ Prefer not to say
- f. ___ My organization does not hire contractors.
- g. ___ My organization hires contractors and does not require IVMS.

3.13. Are you able to identify and separate out work-related driving vs. commuting trips in the IVMS data?

- b. <u>No</u>
- c. __ Not sure
- d. ___ Prefer not to say
- e. ____ My organization does not allow drivers to use IVMS for off-duty trips.

3.14. Are you able to identify off-duty trips in the IVMS data?

a. ___ Yes, with no additional external information

b. ___ Yes, when the IVMS is used in combination with another information system or dataset (e.g., data capturing a worker's shift start and end times)

- b. __ No
- c. __ Not sure
- d. __ Prefer not to say
- e. ___ My organization does not allow drivers to use IVMS for off-duty trips.

Driver performance and Coaching

3.15. Does your company coach drivers individually on their driving performance as part of your IVMS implementation?

- a. <u>Y</u>es
- b. __No

3.16. If your company coaches drivers individually, who is responsible for coaching drivers on their driving performance? (Check all that apply)

- a. ____ The driver's immediate supervisor or someone from driver's supervisory chain
- b. ____ The fleet manager from your company
- c. ___ A health, safety, and environment professional from your company
- d. ____ A representative from the IVMS manufacturer
- e. ___ A representative from a fleet services provider or IVMS-specific data management company

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- f. ___ A health, safety, and environment professional from outside your company
- g. __Other (Specify_
- h. ____ My company does not coach drivers
- i. Do we need the unsure and prefer not to say for every qx?

3.17. How does your company communicate each driver's driving performance / IVMS events back to the driver? Please check all that apply.

- a. ___ Each driver receives an individualized scorecard/report based on their IVMS-recorded driving events
- b. ____ Each driver receives a scorecard/report that is grouped at the work unit or company level
- c. ____ Supervisors and/or fleet managers receive real-time alerts for certain driving events via text or email
- d. ____ Supervisors and/or fleet managers must log in to a portal to see driver's events and performance
- e. ____ Supervisors and/or fleet managers see driving events through a scorecard or performance summary that gets pushed to them via email, text, or online notification.
- 3.17. How does your company use the data collected through your IVMS? Please check all that apply.
- a. ___ We coach poor-performing drivers to improve their driving skills and performance.
- b. __ We give good drivers positive feedback.
- c. ___ We use the data in investigations of collisions or incidents.
- d. ___ We use the data to support disciplinary actions for violations of traffic laws and company policies.
- e. ___ We analyze the data to identify risky behaviors across the fleet, to help us determine the need for new interventions, policies, and educational campaigns.
- 3.18. Is there currently a system in place to track and record the date and content of individual driver coaching sessions?
- d. __ Yes
- e. ___ No
- f. __ Unsure
- g. ___ Prefer not to say
- 3.19. How does your company promote quality and uniformity in driver coaching? Please check all that apply.

- a. __Personnel who are responsible for coaching receive training from someone outside our company (e.g., the IVMS manufacturer, fleet service provider)
- b. ___An entity outside our company provides ongoing support to ensure quality and uniformity in coaching
- c. ___When IVMS results indicate a driver needs coaching, personnel responsible for coaching receive prompts and follow-up reminders to ensure that coaching is done in a timely manner
- d. __Personnel who coach drivers are expected to document coaching sessions, and this information is reviewed at a higher level to ensure quality and completeness

Module 4: Continuous Improvement

- 4.1. Does your company have a strategy for continuous IVMS improvement?
- h. __ Yes
- i. ___ No
- j. __ Unsure
- k. ___ Prefer not to say

4.2. Does your company periodically revisit IVMS goals and key metrics for monitoring IVMS success?

- a. __Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say

4.3. Does your company develop specific plans for improving key IVMS metrics and meeting IVMS goals?

- a. __Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say
- 4.4. Does your company regularly monitor progress towards targets?
- a. __ Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say

4.5. Does your company update targets to more aspirational levels once previously established ones are reached?

- a. __Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say

4.6. Does your company consider ways to integrate IVMS into fleet and asset management for complete visibility across the business?

- a. __Yes
- b. __ No
- c. __ Unsure
- d. ___ Prefer not to say

4.7. Does your company check for unintended consequences of metrics and address them if they emerge (e.g., running red lights to avoid harsh braking)?

- a. __Yes
- b. __ No
- c. __ Unsure
- d. __ Prefer not to say

4.8. Please indicate whether you agree or disagree with the following statements.

Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unsure
Using an IVMS lets me do things I could not do without it.						
Using an IVMS helps me accomplish tasks more quickly.						
Learning to operate the IVMS has been easy for me.						
I currently find the IVMS easy to use.						
My senior management has supported the use of IVMS.						
In general, employees supported the use of IVMS when one was first implemented.						
In general, employees currently support the use of IVMS.						
The IVMS has <u>not</u> been compatible with other systems I use (e.g., for tracking other key performance indicators).						
A specific person or group has provided help when the IVMS has been difficult to use.						
I like using an IVMS.						

Module 5: Road Safety Management Context

5.1. For which of the areas below does your company have formal road safety policies and procedures? Select all that apply.

- a. ___Seat belt use
- b. __Mobile phone use (handheld)
- c. __Mobile phone use (hands free)
- d. __Impaired driving (i.e., alcohol, legal and illegal substances and medications)
- e. ___Fatigue risk management
- f. ___Speed management
- g. __Pre-trip vehicle inspection
- h. __Driver training
- i. ____Training for managers and supervisors related to their road safety role/responsibilities
- 5.2. Which of the following processes are part of your motor vehicle safety management program? Select all that apply.
- a. ____ Background / license check on drivers before hire
- b. __ Drug testing
- c. ___ Periodic repetition of background checks, MVR checks, and/or drug tests
- d. ___ Identification of high-risk drivers
- e. ___ Commentary drives
- f. ___ Regular review of data (e.g., crash, claims, workers' comp, IVMS) for continuous improvement
- g. ___ Reporting of road safety performance to upper management/fleet safety scorecard
- h. __ Collision reviews
- i. ____ Standards for selection of safe vehicles

5.3. Separate from IVMS are there technologies you require in your fleet vehicles?

- a. ___ Speed governors
- b. ____ Forward collision warning
- c. ___ Blind spot warning
- d. ____ Lane departure warning
- e. ___ Adaptive cruise control
- f. ____ Semi-autonomous parking assist
- g. ___ Fatigue/drowsy driving alert

- h. ____ Night vision enhancement
- i. ___ Navigation assistance
- j. ____ Voice control
- k. __ Integrate Bluetooth cell phone
- I. __ In-vehicle concierge
- m. ___ Back-up cameras
- n. ____ 360 degree overhead cameras
- o. ___ Park assist

5.4. Separate from IVMS are there technologies you prohibit in your fleet vehicles?

- a. ___ Speed governors
- b. ____ Forward collision warning
- c. ____ Blind spot warning
- d. ____Lane departure warning
- e. ____ Adaptive cruise control
- f. ____ Semi-autonomous parking assist
- g. ____ Fatigue/drowsy driving alert

- h. ___ Night vision enhancement
- i. ____ Navigation assistance
- j. ____ Voice control

- k. ___ Integrate Bluetooth cell phone
- I. __ In-vehicle concierge
- m. ___ Other (please specify):