

USING IN-VEHICLE SAFETY TECHNOLOGY TO IMPROVE ROAD SAFETY AT WORK

In-vehicle technology can make a life-saving contribution to improving road safety at work while also reducing the costs associated with collisions



GETTING STARTED

Carry out a risk assessment and set up a work-related road risk management programme

Use these to identify appropriate in-vehicle technologies for your organisation and staff



VEHICLE SELECTION

Vehicles should have a combination of **pre** and **post** collision safety technologies

- **Pre-Collision:** Reduce the chances of a collision occurring
- **Post-Collision:** Prevent or minimize injuries in the event of a collision

Include **safety criteria** when buying and/or hiring vehicles

- Require vehicles to have a **five-star Euro NCAP** rating
- Specify as many safety features as possible
- Choose models recently released to the market



MANAGING STAFF & THE USE OF IN-VEHICLE TECHNOLOGY

Explain to employees how each in-vehicle safety technology works

Communicate the purpose and benefits of each technology

Apply in-vehicle technology criteria to the private "grey fleet" vehicles used for work



WORKING WITH THIRD PARTIES

Choose contractors who also apply road safety standards and opt for in-vehicle safety technologies

Work closely with suppliers, manufacturers, insurers and customers to develop appropriate safety solutions

REMEMBER!

In-vehicle technologies are not a substitute for wider fleet safety

- A work-related road risk management programme should still be implemented
- Staff should still be trained to drive safely, use standard safety features like seatbelts
- Key risk factors like mobile phone use should still be targeted
- Vehicles should still be regularly maintained

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IN-VEHICLE TECHNOLOGIES FOR YOUR FLEET

SEATBELT REMINDER SYSTEM



Uses sensors to detect occupants and their seatbelt use



Vehicles are available with reminders in all seating positions



Visual and audio warnings remind unbelted occupants to buckle-up

INTELLIGENT SPEED ASSISTANCE (ISA)



Helps drivers to comply with speed limits



Uses GPS, digital maps and sign recognition to determine the current speed limit



Supports the driver via warnings and speed limiting systems, but is overridable

ALCOHOL INTERLOCKS



Driver must take a breath test in order to drive the vehicle



Connected to the ignition system



If the driver fails, the vehicle will not start

ON-BOARD TELEMATICS UNITS



Monitor speeding, compliance, location and driving style



Give instant feedback



Data can then be used for:

- Driver training and education
- Collision investigation
- Insurance purposes

LANE KEEP ASSISTANCE



Helps the driver to stay in their lane/on the road



Activated if the vehicle is about to veer out of the lane/off the road



Can help steer the vehicle back into the lane or onto the road

AUTOMATED EMERGENCY BRAKING (AEB)



Helps avoid collisions or mitigate their severity



Warns the driver and supports their braking and/or applies the brakes automatically



Some of the latest models are capable of pedestrian and cyclist detection