THE BENEFITS OF WABCO’S IVTM™ SYSTEM:

EFFICIENCY
- Tire life increased by up to 20 percent
- Fuel consumption reduced by up to 2 percent
- CO₂ emissions reduced
- Slow leaks spotted early, allowing for tire repair rather than replacement
- Reduction of vehicle downtime

SAFETY
- Improved vehicle handling
- Shorter braking distances
- Reduced risk of sudden tire failures
- Reduced risk of vehicles stranded at the roadside

OPERATION
- Simple to fit
- Wireless operation
- Long-life batteries – up to nine years before replacement
- Easily transferred to other wheels or other vehicles
- Trusted and approved by leading OEMs

INTEGRATION
- Links trailers seamlessly to IVTM™-equipped truck
- Works with telematics to report directly to Fleet Managers
- Compatible with many other WABCO systems

CALCULATE YOUR SAVINGS
To use our ROI calculator for a calculation of how WABCO IVTM™ can save you money and keep your fleet safely on the road, visit wabco-auto.com/ivtm

WABCO (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Founded nearly 150 years ago, WABCO continues to pioneer breakthrough innovations for advanced driver assistance, braking, stability control, suspension, transmission automation and aerodynamics. Partnering with the transportation industry as it maps a route toward autonomous driving, WABCO also uniquely connects trucks, trailers, cargo, drivers, business partners and fleet operators through advanced fleet management systems and mobile solutions. WABCO reported sales of $2.8 billion in 2016. Headquartered in Brussels, Belgium, WABCO has 13,000 employees in 40 countries. For more information, visit www.wabco-auto.com

IVTM™ is a trademark of Michelin
WABCO INTEGRATED VEHICLE TIRE MONITORING

WABCO IVTM™
WABCO’s Integrated Vehicle Tire Pressure Monitoring (IVTM™) system is a simple, cost-effective solution that lowers fleet running costs while improving vehicle safety. It provides the driver with constant updates of tire pressures directly from each monitored wheel. Operating with correct tire pressures sounds like a straightforward task but the reality is frequently very different – especially for large fleets operating many multi-axle vehicles.

It isn’t always easy to spot incorrect pressure but the effects of failing to correctly in that a 15 percent over- or under-inflation can reduce the lifespan of a tire by 10 percent. Moreover, an under-inflated tire is likely to see sustained heat build-up and be at much greater risk of terminal damage to the carcass. And, when it comes to replacing tires, the costs are significant.

COST SAVINGS
Using IVTM™ reduces the risks of tire failure from incorrect inflation and thus reduces the number of replacement tires fleet operators need to purchase. IVTM™ also detects slow punctures early, giving the fleet operator a better chance of repairing – rather than replacing – a damaged tire. But tire life isn’t the only cost saving associated with tire pressure monitoring. Fuel costs are the largest variable cost for fleet operators, and with diesel prices rising, good fuel economy is more important than ever. Industry research confirms that the greater rolling resistance of under-inflated tires leads to a significant decrease in fuel economy – as well as an increase in CO₂ emissions. Conversely, ensuring tires are correctly inflated provides a fuel saving of up to 2 percent.

ENHANCED SAFETY
Incorrect tire pressures not only are expensive but also dangerous. In the most extreme circumstances, the risk of a sudden tire failure is considerably higher in a vehicle that doesn’t have its tires correctly inflated. It is dangerous not only for the vehicle but also for other road users who may encounter debris. More common is the deterioration in handling characteristics and the longer braking distances caused by under-inflated tires.

TPMS Technologies show significant promise for improving safety and reducing costs in the commercial vehicle industry. Improving tire pressure management directly relates to improved vehicle stability, reduced tire wear and damage, better braking, improved fuel efficiency and fewer roadside breakdowns – and thus enhanced safety and cost effectiveness. Improving tire pressure maintenance and general tire management can have a direct and substantial impact on carrier productivity as it relates to downtime and road calls. Source: FMCSA

VEHICLE DOWNTIME
Tire defects are the most common reason for commercial vehicle downtime.

FUEL EFFICIENCY
17% tire pressure reduction leads to about 2% increased fuel consumption

TIRE LIFE
A deviation of 15% from the recommended tire pressure leads to a reduction of tire life of >10%

A constantly 17% under inflated tire can lead to 2% fuel increase

Source: Michelin

WABCO IVTM™ system is designed to work with different commercial vehicles from light trucks up to combinations with 92-wheels. No matter the size, Integrated Vehicle Tire Pressure Monitoring can deliver a safer driving environment while reducing operating costs and lowering fleet downtime. When used with telematics IVTM™ will deliver information directly through the J1939 data bus.

FAST AND EASY RETROFIT
Retrofit can often mean ‘complicated’ but in the case of WABCO’s IVTM™ it really couldn’t be simpler. Wireless technology as well as easy integration with existing systems assures that installation of IVTM™ can be completed within the normal maintenance cycle. Tires aren’t removed from the rim in the process, and the external sensors do not risk damaging tire integrity. In fact, fleet downtime to fit the system is negligible.

The WABCO IVTM™ solution uses wheel-mounted sensors to monitor tire pressures in real time. The information is transmitted wirelessly to the Electronic Control Unit, the driver is informed about incorrect pressure either through an easily-affixed dedicated WABCO display or an integrated display (if available).

FOR A WIDE RANGE OF VEHICLES
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ORIGINAL EQUIPMENT MANUFACTURERS’ CHOICE
 Fleet operators choosing to retrofit the WABCO IVTM™ system can do so with the confidence of knowing they are buying parts approved by Original Equipment Manufacturers. Indeed, as a preferred supplier to the Original Equipment market, many compatible WABCO systems are also installed by Original Equipment Manufacturers as factory-fit options.

EASY OPERATION
Thanks to long-life batteries, IVTM™ has an industry-leading operating window of up to nine years. For many fleets the only time the WABCO IVTM™ system requires attention is when swapping it to a new wheel or on to new vehicles – both of which are straightforward processes.