

## Information

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Thema **TBW, a TPMS alternative,  
CO2 reduction by correct and constant tyre pressure as a first step,  
proposal for justification**

For all the vehicles in the market place it is not necessary to spend money on a complex and costly TPMS in order to fulfil the CO2 and rolling resistance reduction requirements with respect to a constant and correct tyre pressure. This can be done simply by demanding that the car owner periodically controls and, if necessary, corrects the tyre pressures.

This can be achieved using a time based warning (TBW) in the drivers field of view (lamp with the symbol "check tyre pressure" or with the corresponding text in a display),

- This would light up every x- weeks (x should be agreed with the vehicle- and tyre manufacturer).
- The display should light up timely, prior to an upcoming stop at the petrol filling station.
- Further more the timing of the display can be randomised.

A constant and periodic demand e.g.

**- „for safety and environment reasons check tyre pressure during the next fill up at the filling station“ –**

has the same effect as a TPMS with regard to maintaining a constant tyre pressure in order to guarantee a continued low level of rolling resistance. It also prevents the very limited number of defective tyres in the market place from being neglected.

After the signal appears the driver has to check the tyre pressure. This action is identical for both the time based warning system (TBW) and for the TPMS.

The time based system is significantly cost-saving and can be introduced by the vehicle industry much more quickly as a first step.

Following this, the TPMS Group could gain time, which is necessary for a real good TPMS rule.

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