<table>
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<th>Parameter</th>
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| Carbody Lateral (Sustained Oscillatory) | $\leq 0.10g \text{ RMS}_t^4$  
4 sec window  
4 sec sustained | $\leq 0.12g \text{ RMS}_t^4$  
4 sec window  
4 sec sustained | Sustained oscillatory lateral acceleration of the carbody shall not exceed the prescribed (root mean squared) safety limits of 0.10g and 0.12g for passenger cars and other vehicles, respectively. Root mean squared values shall be determined over a sliding 4-second window with linear trend removed and shall be sustained for more than 4 seconds. |
| Carbody Vertical (Transient) | $\leq 1.0g \text{ peak-to-peak}$  
1 sec window  
excludes peaks < 50 msec | $\leq 1.25g \text{ peak-to-peak}$  
1 sec window  
excludes peaks < 50 msec | The peak-to-peak accelerations, measured as the algebraic difference between the two extreme values of measured acceleration in any one second time period, excluding any peak lasting less than 50 milliseconds, shall not exceed 1.0g, or 1.25g, as specified. |
| Carbody Vertical (Sustained Oscillatory) | $\leq 0.25g \text{ RMS}_t^4$  
4 sec window  
4 sec sustained | $\leq 0.25g \text{ RMS}_t^4$  
4 sec window  
4 sec sustained | Sustained oscillatory vertical acceleration of the carbody shall not exceed the prescribed (root mean squared) safety limit of 0.25g. Root mean squared values shall be determined over a sliding 4-second window with linear trend removed and shall be sustained for more than 4 seconds. |
| **Truck Lateral Acceleration** | **Safety Limit** | **Filter/Window** | **Requirements**                                                                                                                                 |
| Truck Lateral              | $\leq 0.30g \text{ RMS}_t^4$  
2 sec window  
2 sec sustained | 2 sec window  
2 sec sustained | Truck hunting shall not develop below the maximum authorized speed. Truck hunting is defined as a sustained cyclic oscillation of the truck evidenced by lateral accelerations exceeding 0.3g root mean squared for more than 2 seconds. Root mean squared values shall be determined over a sliding 2-second window with linear trend removed. |