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Requirements for Safety of Type 3 (Wheelchair transportation) vehicles, Action 4 ISO/TC22/SC26/N39 in ISO/TC 22/SC 26/WG 1/N65

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This document is still under study and subject to change. It should not be used for reference purposes.

<p>ISO/TC 22/SC 26/WG 1</p> <p>Title: Vehicles for the transport of people with reduced mobility with a maximum capacity of 8 seated passengers, driver not included</p> <p>Secretariat: AENOR</p>	<p>REQUESTED ACTION</p> <p>Circulated to P- and O-members, and to technical committees and organizations in liaison for:</p> <p><input type="checkbox"/> information</p> <p><input checked="" type="checkbox"/> discussion at next meeting (Stockholm, 2008-06-03/04) [venue/date of meeting]</p> <p><input type="checkbox"/> comments by [date]</p> <p><input type="checkbox"/> voting (P-members only: ballot form attached) by [date]</p> <p><i>P-members of the technical committee or subcommittee concerned have an obligation to vote.</i></p>
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Requirements for Safety of Type 3 (Wheelchair transportation) vehicles

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The type 3, see ISO/TC22/SC26/N37, is a vehicle capable of transporting one person whilst seated in his wheelchair

This vehicle correspond at segment M1 inferior or equal 8 seats in addition to the driver's seat

Frontal impact, forward facing

Wheelchair, manual, electric (light heavy), approved for transport

Restraint devices, wheelchair tie down occupant restraint system (WTORS), and restraint system, approved for transport

Static requirement

Loading ; anchorage, floor, WTORS, restraint system
configuration space, environment,
occupant space geometry, excursion head knee limbs

Dynamic requirement

crash test, sled, vehicle, body in white, mathematical simulation
impact test equipment
corridor law, impact law
loading, dummy, vehicle

Anthropometric dummy selection

Hybrid III, 5th percentile female
Hybrid III, 50th percentile male
Hybrid III, 95th percentile male
THOR

Injury criteria, Head Injury Criteria (HIC), Neck Injury Criteria (NIC)