Western Australian Travel-Safe Interagency Group								
Risk Assessment Checklist for Wheelchair	Trar	spo	rtation in Vehicles					
Person's Name:		Dat	e of Birth:					
Address:	Sex: N	и/F/O						
Diagnosis:								
Australian Standards that apply to transportation of people with disabilities as detailed below, are not								
legislated (i.e.not a legal requirement), however are best practice recommendations which should be followed								
wherever practicable and reasonable to do so.								
It is recommended this be read in conjunction with and in refer	ranca to	the f	ollowing documents:					
			_					
 Australian/New Zealand Standard, Wheelchairs Part 19: Wheeled mobility devices for use as seats in motor vehicles (AS/NZS 3696.19:2009) 								
 Australian/New Zealand Standard, Technical systems and 	l aids fo	r disal	oled or handicapped persons -					
Wheelchair tiedown and occupant-restraint systems, Part 1: Requirements and test methods for all systems (AS/NZS 10542.1:2015)								
 International Best Practice Guidelines, 4th International Interdisciplinary Conference on Posture and 								
Wheeled Mobility, 2013								
Decision Making Tree, Western Australian Travel-Safe Interagency Group, 2016.								
• ISO 16840-4:2009 Wheelchair seating Part 4: Seating s	•							
"Transportation is only one of many daily activities that introduce unique circumstances and requirements that wheelchairs and wheelchair occupants may experience. Wheelchair products that comply with this part of ISO								
7176 will have additional features that provide increased levels of occupant security and safety whilst their								
occupants are riding in motor vehicles. <i>However, a wheelchair</i>	-							
cannot be used to limit access to, and availability of, motor vehicle transportation of wheelchair users."								
(ISO 7176-19:2008/ANZS 3696.19:2009)								
In the first instance when travelling in a motor vehicle, it is considered safest for wheelchair occupants to transfer out of their wheelchair to a vehicle seat and to use the vehicle seatbelt system or child safety seat that complies								
with local legislation.	SCALDCI	t syste	in or crima surcey scar that complies					
Is this a suitable option?			Yes No					
(If no continue to complete form)								
Wheelchair Suitability								
To be considered when transfer to a seat in a motor vehicle is r	not pos	sible.						
Please circle and indicate appropriate response below:	•							
Wheelchair: Model/Type:PWC / MWC with power assist								
What is the weight of the occupied wheelchair?								
kg +		kg =	=kg					
(weight of wheelchair, plus components essential for life and any body support system*)		0	(total occupied weight)					
* If unsure of weight of body support system, add 15kg for standard or 20kg for complex.								
Please circle and indicate appropriate response below. <i>All "No" responses below indicate a transport risk.</i> Person/NOK need to be advised. Risks need to be addressed where practicable and documented in notes.								
Does the person's body weight fall with the SWL of wheelchair?			Refer to manufacturer's manual/website for specifications.					
Has the wheelchair passed crash testing to AS/NZ 3696.19?	YES	NO						
Does the wheelchair have transport lugs? OR			If No refer to manufacturer's manual/ website for recommended tiedown points.					
Are there designated points on the frame for tie downs?								

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Please circle and indicate appropriate response below. Note: Any "No" responses indicate a transport risk and do not meet standards. Risks should be addressed where practicable prior to transportation with person/NOK advised of recommendations as documented in notes. For any not applicable responses please state with reasons why.

as documented in notes. For any not applicable responses please stat	e with re	asons	wny.
Wheelchair Frame/Accessories	т		
Is the frame free of visible damage or rust?	YES	NO	
If this wheelchair has been involved in a motor vehicle accident has it been checked by a qualified technician or engineer for frame integrity?	YES	NO	
Is the upholstery in good condition/undamaged?	YES	NO	
Are the tyres inflated correctly?	YES	NO	
Do the brakes engage and prevent the wheelchair from rolling?	YES	NO	
Is the person able to hold their head up against a flat headrest, without additional support in place? (If no, specify head support required).	YES	NO	
Is the backrest at or above person's shoulder height?	YES	NO	
Can wheelchair accessories that are non-essential for life be removed from wheelchair?	YES	NO	
Has the body support system been crash tested to ISO 16840 or been manufactured by a TGA registered agency?	YES	NO	
Is the body support system secured to the wheelchair frame as per manufacturer's instructions?		NO	
In the regular position, is the backrest within 30° of the vertical as per diagram A and B below?		NO	Note: If No, document reason why as it is recognised that there may be instances where this is NOT practical.
Diagram A: Back angle of chair 30° to the vertical 0-30° Note: Back angles \leq 30°meet standard Back angles \geq 30°do not meet standard Back angles \geq 30°do not meet standard			
Is the wheelchair adjusted to its lowest height for transport?	YES	NO	
Do wheelchair modifications meet manufacturers' recommendations for w/c securement and occupant restraint?	YES	NO	

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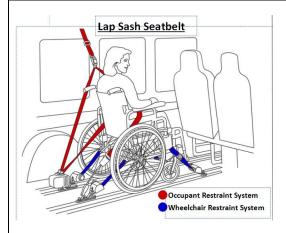
Please circle and indicate appropriate response below. Note: Any "No" responses indicate a transport risk and do not meet standards. Risks should be addressed where practicable prior to transportation with person/NOK advised of recommendations as documented in notes. For any not applicable responses please state with reasons why.

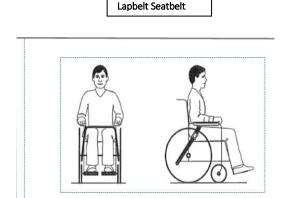
as documented in notes. For any not applicable responses please state with reasons why.										
Vehicle Considerations										
Is the entry and egress in and out of the vehicle manageable and			YES	NO						
safe?		. 23								
Will the person be in a forward-facing position in the			YES	NO						
modified motor vehicle?										
Vehicle Name/Type:										
What is the safe work load (SWL) of the existing or proposed loader (hoist/lift/ramp) on the vehicle:kg										
Does occupied wheelchair weight	fit within this	SWL?	Yes	No	Refer to manufacturer's manual/website for specifications.					
Can this person be transported upright at all times with no			YES	NO						
need to change their current position in case of emergency										
e.g. seizure where the chair may r										
reclined? If no, list condition and										
Is there sufficient space in the veh	nicle to allow t	his to	YES	NO						
happen?										
Wheelchair Tie down System										
Is the tie down system in the vehi	cle clearly labe	elled with	YES	NO						
the manufacturer's name, month and year of manufacture										
and does the label state conformance to Australian										
Standard AS/NZS 10542.1:2009 (S	pecify type of syste	m and details								
in notes).										
Is the combined weight of the wheelchair and body			YES	NO	Refer to manufacturer's manual/website for SWL.					
support system within the SWL of the wheelchair <i>tiedown</i>										
system?										
Are the wheelchair tiedown straps free from damage			YES	NO						
including nicks, tear, fraying, breaks etc.										
The wheelchair tiedown system s	hould also con	nply with the	follov	ving:						
Note: If tiedown systems and trac	king do not all	ow these ang	gles to	be ac	hieved please indicate in notes					
what angles can be achieved as cl	ose as possible	e to the stand	lard.							
Rear tiedowns can attach to	Rear Secureme		YES	NO						
the floor at an angle of 30° to	- Wheelchair Refere	ence Plane								
45 _° (relative to horizontal)	<u> </u>									
	45.30.									
	/ 300mm \									
	Rear View	Side View								
Front tiedowns can attach to	Front Securement Poi		YES	NO	E.g.: if no what is the closest angle that can be achieved?					
the floor at an angle of 40° to	7	Reference Plane			that can be achieved?					
60º(relative to horizontal)										
	40° 60°									
		25° 25°								
	Side View	Front View								

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Please circle and indicate appropriate response below. Note: Any "No" responses indicate a transport risk and do not meet standards. Risks should be addressed where practicable prior to transportation with person/NOK advised of recommendations as documented in notes. For any not applicable responses please state with reasons why.

Please circle relevant occupant restraint option and state reasons for choice. Note lap belt is not recommended in the current standard AS-NZS 3696.19:2009 but may be the only suitable option.





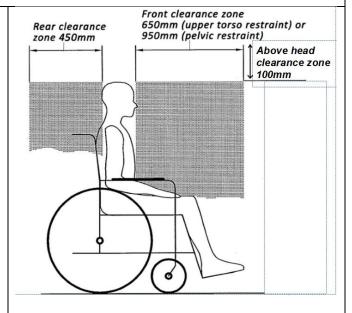
Reason/s:

The wheelchair restraints system should comply with the clear space requirements, stated in relevant section/s of AS/NZS 10542.1:2015 as per diagram:

- Rear clearance zone 450mm (or items in this zone covered with padding that conforms with the impact performance requirements).
- Minimum above head clearance zone 100mm.
- Front clear zone is 650mm with upper torso restraint and 950mm with only pelvic restraints.
- 220mm clearance zone on either side from midline of head.

Can this be achieved? YES NO N/A

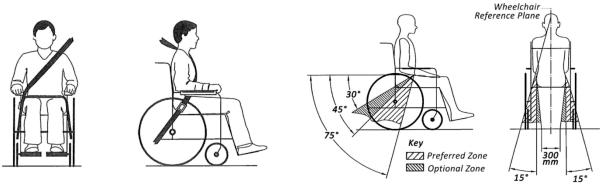
If no, please explain:



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As per diagrams below from standard AS/NZS 10542.1:2015, when a person is secured in the wheelchair as a seat in a vehicle the occupant restraint should:



Note: 300mm refers to min. distance between tracking for tie downs

• For lap: fit low over the hips, touch the top of the thighs and ideally be angled at 45° - 75° to the horizontal when viewed from the side. As per standards "The angle of the pelvic belt should be within the preferred zone of 45° - 75° to the horizontal, or the optional zone of 30° - 45° to the horizontal"

NB To ensure effective fit feed the lap belt between the arm support and wheelchair occupant (not over or around the armrests). Any postural supports attached to the wheelchair are not considered a vehicle restraint but can be left in place to provide postural support to the occupant.

- For sash: First cross the collarbone, the chest and then connect to the lap belt near opposite hip

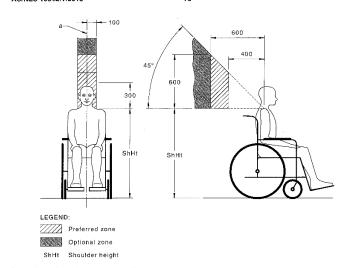


Figure H.4 - Preferred and optional zones for upper vehicle anchor point of shoulder belt

Note: If postural support/seating system is used with a wheelchair there may be componentry that interferes with this line of pull. Please remediate as practicable and document reasons below:

Western Australian Travel-Safe Interagency Group Risk Assessment Checklist for Wheelchair Transportation in Vehicles Note: Any behavioural considerations in terms of transport e.g. undoes seat belt, needs to be seated at the front of vehicle: Note: Any medical conditions affected by transport e.g. seizures by light, travel sickness—note strategies in transport plan: **Note:** Consider growth and possible changes in mobility equipment i.e. from MWC to PWC likely to affect vehicle transport clear space and securement, in the future **Assessor Recommendations:** Assessor Name: ______ ____Organisation:___ **Profession: Person/NOK Declaration** (Please circle appropriate response) I (person / NOK) have been informed of the details contained and risks YES NO identified in this assessment. **Comments:** NOK Name :____ Signature:____ ______ Date: _____