

# Fact Sheet ISEMOA Task 2.3

## State of the art regarding guidance-materials on accessibility

ISEMOA Partner Contributing the Information	The TAS Partnership Limited			
Title in Original Language	Design Specification for On-Board Wheelchair for Commercial Passenger Aircraft			
Title in English	Design Specification for On-Board Wheelchair for Commercial Passenger Aircraft			
Year	2007			
Initiator	Disabled Persons Transport Advisory Committee (DPTAC), British Department for Transport (DfT), Central Government of the United Kingdom			
Author / Editor of Guideline	Disabled Persons Transport Advisory Committee (DPTAC)			
Supporting Parties	Graham Love (Dubblo Design)			
Guidance developed by (one pick only)	<input type="checkbox"/> Administration / Political actor	<input type="checkbox"/> PRM lobby group	<input checked="" type="checkbox"/> Organization	<input type="checkbox"/> Operator
Type of Document (one pick only)	<input type="checkbox"/> Book	<input checked="" type="checkbox"/> Website	<input type="checkbox"/> Article	<input type="checkbox"/> Magazine
	<input type="checkbox"/> Leaflet	<input type="checkbox"/> Flyer	<input type="checkbox"/> *.doc	<input type="checkbox"/> *.pdf
Link, ISBN, ISSN, Bibliographical Data (one pick only)	<input checked="" type="checkbox"/> Link	<input type="checkbox"/> ISBN	<input type="checkbox"/> ISSN	<input type="checkbox"/> Bibliographical data

	<a href="http://dptac.independent.gov.uk/pubs/aviation/wheelchair/index.htm">http://dptac.independent.gov.uk/pubs/aviation/wheelchair/index.htm</a>			
Further information	<a href="http://dptac.independent.gov.uk/pubs/aviation/wheelchair/index.htm">http://dptac.independent.gov.uk/pubs/aviation/wheelchair/index.htm</a>			
Developed in	United Kingdom			
To Be Applied in	United Kingdom			
Language	English			
Kind of Paper (one pick only)	<input type="checkbox"/> Strategy paper	<input type="checkbox"/> Policy paper	<input type="checkbox"/> QM process	<input checked="" type="checkbox"/> Technical standard
	<input type="checkbox"/> Other:			
Target Area (you can pick both)	<input checked="" type="checkbox"/> Urban		<input checked="" type="checkbox"/> Rural	
Dedicated to (you can pick more than one)	<input type="checkbox"/> Local / Regional administration	<input checked="" type="checkbox"/> Designers / technicians	<input type="checkbox"/> Operators	<input type="checkbox"/> PRM
Type of PRM Affected (you can pick more than one)	<input type="checkbox"/> Visual impaired	<input checked="" type="checkbox"/> Motor impaired	<input type="checkbox"/> Hearing impaired	<input type="checkbox"/> Cognitive / Learning impaired
Application Field (you can pick both)	<input checked="" type="checkbox"/> Public Transport		<input type="checkbox"/> Public Space	
Approach (you can pick more than one)	<input checked="" type="checkbox"/> Engineering, design, technology, planning	<input type="checkbox"/> Financial support, funding	<input type="checkbox"/> Organisational / operational support	<input type="checkbox"/> Awareness building, education

Are Standards Provided?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
If yes - Please Describe (e.g. footpath width, gradients etc.)	Recommendations are included that comply with good practice in each area covered by the specification		
Topics of the guideline	Describes the technical specifications for on-board wheelchairs for airplanes		
Description of the guideline	List of content: 1. Introduction 2. Application 3. Operational requirements 3.1. Deployment and stowing; 3.2. Transfer of the passenger; 3.3. Passenger comfort; 3.4. Control and manoeuvring; 3.5. Maintenance; 3.6. Training; 3.7. Marking 4. Dimensional requirements 4.1. Overall dimensions when deployed; 4.2. Overall dimensions when folded; 4.3. Seat base dimensions; 4.4. Backrest dimensions; 4.5. Push handle dimensions; 4.6. Wheelbase and track; 4.7. Wheel dimensions; 4.8. Armrest dimensions; 4.9. Footrest dimensions; 4.10. Strap dimensions 5. Load bearing capacity 6. Wheelchair diagram		
Execution (one pick only)	<input checked="" type="checkbox"/> Advisory	<input type="checkbox"/> Partly mandatory	<input type="checkbox"/> Mandatory (Legally binding)

Any More  
Comment?

DPTAC developed this specification in three phases. DPTAC drew up the requirements of this specification from research into a number of fields. In Phase one, DPTAC gathered data regarding current use of on-board wheelchairs including air crew training, transfer techniques and equipment, operational considerations and safety requirements from commercial passenger aircraft operators. This element of the research included a review of the features, benefits and drawbacks of on-board wheelchairs currently in use. Dimensional data relating to commercial aircraft was gathered from relevant aviation standards. DPTAC gathered anthropometric data from reputable sources, including British Standards and DfT's Rail Vehicle Accessibility Regulations. This specification also uses load bearing capacities from reputable rail, automotive and aeronautical references. DPTAC assessed the current and emerging product market through an internet search of available on-board wheelchairs and through discussions with suppliers known to be developing new and innovative designs. DPTAC offered the resultant specification as a draft for review and critique, and consulted aircraft operators and disabled aircraft users. DPTAC tested the specified dimensions, using disabled people, for compatibility with a representative range of aircraft. The specification incorporates the findings of this consultation and testing.