

ISO 16840-1:2006-03 (E)

Wheelchair seating - Part 1: Vocabulary, reference axis convention and measures for body segments, posture and postural support surfaces

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	General terms and definitions	1
3	Abbreviated terms and subscripts	6
3.1	Abbreviated terms	6
3.2	Subscripts	6
4	Global coordinate system principles	7
4.1	General	7
4.2	Structure	7
5	Terms and definitions of an integrated geometric reference system	7
5.1	General	7
5.2	Global coordinate system	8
5.3	Wheelchair axis system (WAS)	9
5.4	Support surface axis system (SSAS)	10
5.5	Seated anatomical axis system (SAAS)	11
6	Terms and definitions of support surface measures	12
6.1	General	12
6.2	Terms and definitions of support surface measures in the sagittal view	13
6.3	Terms and definitions of support surface measures in the frontal view	20
6.4	Terms and definitions of support surface measures in the transverse view	26
7	Terms and definitions of body measures of a seated person	30
7.1	General	30
7.2	Terms and definitions of body measures in the sagittal plane	31
7.3	Terms and definitions of body measures in the frontal view	41
7.4	Terms and definitions of body measures in the transverse plane	50
Annex A (normative)	Definition of reference lines for common seating support surfaces	56
Annex B (normative)	Calculations of joint centres	63
Annex C (informative)	Abdominal and sternal body segment lines for use in sagittal and frontal body measures	68
Bibliography		74
Alphabetical index		75