Technical Report No. 713098526

Revision: 0
dated 2017-04-25

Choose certainty.
Add value.

Client:	Scout Mobility B.V. Kanaalstraat 101D 5711 EG Someren The Netherlands
Manufacturing place:	Scout Mobility B.V. Kanaalstraat 101D 5711 EG Someren The Netherlands
Test object:	Electrically driven wheelchair Type: Scout X10
Test specifications:	ISO 7176-14:2008
Purpose of examination:	Testing according to the test specifications.
Test result:	The test results show that the presented product is in compliance with the specified requirements.

File: TR_713098526.docx
Rep.-No: 713098526
Revision: 0
Page 1 of 4

Project Manager:
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Date: 2017-04-25

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REHA_Technischer_Bericht_Produkt_e_2015.dot
01.03.2006

1 Description of the test subject

The electrically driven wheelchair type "Scout X10" presented for testing is designed to operate in indoor and outdoor environment. It is intended for people with physical disabilities. The seat lift, the seat tilt, the backrest, and the leg rests are electrically adjustable. The individual motors can be controlled via Joystick module. The "Scout X10" is available in two different drive versions:

(FWD) front wheel drive

(HWD) rear wheel drive

Scout X10 (FWD)	Scout X10 (FWD)
Scout X10 (RWD)	Scout X10 (RWD)

File: TR_713098526.docx
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Page 2 of 4

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1.1 Technical Data

Type / Model	Scout X10
Class of use	B
Nominal battery voltage	24 V_{DC}
Max. Speed	8 km/h / 10 km/h
Max. Load	160 kg
Power electronics	PG Drives Technology Ltd., type: R-net - PM120 (D50903.11) - JSM-C-L (D51108.03) - ISM (D50927.02)
Drive motor	AMT Schmid GmbH & Co. KG, type SRG06,22.5 V_{DC}, 17 A
Actuator seat height	REAC, type LL-5003 (24 V_{DC}, 4.5 A, 6000 N)
Actuator seat inclination	REAC, type LL-3004/41 (24 V_{DC}, 4.5 A, 4000 N)
Actuator back rest	TiMotion, type TA16 (24 V_{DC}, 6.9A, 2000 N)
Actuator leg rest	REAC, type LL1000/41 (24 V_{DC}, 0.8 A, 1500 N)
Batteries	2 x Move Batteries , type: MPG 60-12 (12 V_{DC}, 68Ah)
Battery charger	CT Industrie Elektronik Brilon, E 230 G 24/8 B70-FP, E 230 G 24/12 B70-FP IN: 230 V_{AC}; 50 / 60 Hz, 1.2 A OUT: 24 V_{DC}; 8 A / 12A

2 Order

2.1 Date of Purchase Order

The testing of the Scout X10 (RWD and FWD) has been carried out per purchase order of Scout Mobility B.V. dated at 2016-12-20.

2.2 Date of Receipt of Test Subject

The testing has been performed at TÜV SÜD Product Service, Masurenweg 1-3, D-30163 Hanover. The test subject was delivered to the test laboratory on 2017-01-05.

3 Revision History

Rev. 0:   Initial Version

File: TR_713098526.docx
Rep.-No: 713098526
Revision: 0
Page 3 of 4

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4 Remarks

4.1 General remarks

Motorised wheelchairs are motor vehicles according to the traffic law (§1, chapter 2). Wheelchairs which shall be operated on public roads have to fulfil the requirements of the German Traffic Law (StVZO), of the Road Traffic Regulations (StVO) as well as of the FZV (Fahrzeugzulassungsverordung). This also applies to motorized wheelchairs with a design-related maximum speed of 6 km/h (see also §18 StVZO, explanation 1).

4.2 Remarks to user manual

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

5 Summary

The test results show that the presented product is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH
Technical report checked:

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Department MHS Hannover

TÜV SÜD Product Service GmbH
Project Manager

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File: TR_713098526.docx
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Page 4 of 4

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