DRAFT

AUTOMOTIVE INDUSTRY STANDARD

Requirements of Driver's Seat for Agricultural Tractors

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Status chart of the standard to be used by the purchaser for updating the record

Sr. No.	Corrigenda.	Amendment	Revision	Date	Remark	Misc.
General Remarks						

INTRODUCTION

- 0.1 Introductory clause to be added later on
- 0.6 The AISC panel responsible for formulation of this standard is given in Annex(To be added)
- 0.7 The Automotive Industry Standards Committee (AISC) responsible for approval of this standard is given in Annex(To be added)

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CHECKLIST FOR PREPARING AUTOMOTIVE INDUSTRY STANDARD

Draft AIS-121: REQUIREMENTS OF DRIVER'S SEAT FOR AGRICULUTURAL TRACTORS

SR.	PARTICULARS	REMARKS
NO.	771111111111111111111111111111111111111	
1.	Indicate details of the base reference standard. (eg. ECE / EEC Directive/GTR etc.)	ANNEX XIV of 1322/2014 (COMMISSION DELEGATED REGULATION (EU) No 1322/2014)
2.	Add an explanatory note indicating differences between the above standard and the draft, if any.	 Cross references to respective Indian Standards. (e.g. AIS) Marking requirements. Transitional provisions. Administrative provisions, e.g. Type approval & extension of approvals. Deviations to be decided if required
3.	Specify details of technical specifications to be submitted at the time of type approval relevant to the requirements of this standard covered.	As per Annex 9
4.	Are the details of Worst Case Criteria covered?	The Criteria shall be as agreed between the testing agency and applicant. TO be added
5.	Are the performance requirements covered?	Yes, Clauses to be added here
6.	Is there a need to specify dimensional requirements?	Yes.
7.	If yes, are they covered?	Yes. As per Annex E.
8.	Is there a need to specify COP requirements? If yes, are they covered?	To be discussed
9.	Is there a need to specify type approval, and routine test separately, as in the case of some of the Indian Standards? If yes, are they covered?	Yes (To be discussed)
10.	If the standard is for a part/component or subsystem; i) AIS-037 or ISI marking scheme be implemented for this part? ii) Are there any requirements to be covered for this part when fitted on the vehicle?	 i) Yes ii) Yes Installation requirement for driver's seat.
11.	If yes, has a separate standard been prepared? If the standard is intended for replacing or revising an already notified standard, are transitory provisions for re-certification of	Yes. Provisions included in clause 12.

	already certified parts/vehicles by comparing the previous test result, certain additional test, etc. required? If yes, are they included?	
12.	Include details of any other international or foreign national standards which could be considered as alternate standard.	ANNEX XIV of 1322/2014 (COMMISSION DELEGATED REGULATION (EU) No 1322/2014)
13.	Are the details of accuracy and least counts of test equipment/meters required to be specified? If yes, have they been included?	To be reviewed by test agency
14.	What are the test equipment for establishing compliance?	As specified in this standards
15.	If possible, identify such facilities available in India.	To be reviewed by test agency
16.	Are there any points on which special comments or information is to be invited from members? If yes, are they identified?	Comments / discussion required on yellow highlighted points.
17.	Does the scope of standard clearly identify vehicle categories?	Yes
18.	Has the clarity of definitions been examined?	Yes

Requirements of Driver's Seat for Agricultural Tractors

Clause No.	Clause as compared with REGULATION (EU) No 1322/2014 – changes are marked blue.	
1	SCOPE	
	This standard specifies performance & Installation requirements for driver's seat for Agricultural tractors.	
2	DEFINITIONS	
	For the purpose of this standard following definitions shall apply:-	
2.1	Agricultural Tractors as per AIS 053	
2.2	'Seat surface' means the almost horizontal area of the seat which supports the driver when seated.	
2.3	'Lateral seat supports' means the devices or forms of the seat surface which prevent the driver from sliding sideways.	
2.4	'Seat armrests' means the devices on either side of the seat which support the driver's arms when he is seated.	
2.5	'Depth of the seat surface' means the horizontal distance between the Seat Reference Point (S) and the front edge of the seat surface.	
2.6	'Width of the seat surface' means the horizontal distance between the outside edges of the seat surface measured in a plane perpendicular to the median plane of the seat.	
2.7	'Load adjustment range' means the range between the two loads corresponding to the mean positions in the suspension system curves plotted for the heaviest and lightest driver.	
2.8	'Suspension travel' means the vertical distance between the highest position and the position at a given moment of a point situated on the seat surface 200 mm in front of the Seat Reference Point (S) in the median longitudinal plane.	
2.9	'Vibration' means the vertical movement up and down of the driver's seat.	
2.10	'Vibration acceleration (a)' means the second differential of the vibration displacement with respect to time.	
2.11	'Rms value of the acceleration (aeff)' means the square root of the mean square of the accelerations.	
2,12	Weighted vibration acceleration (aw)' means the weighted vibration acceleration determined with the help of a weighting filter in accordance with point 4.5.3.3.5.2.	

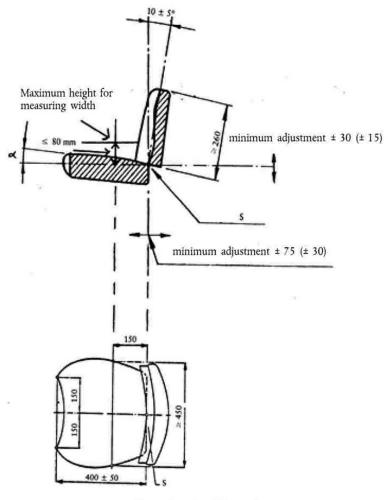
	awS = during a ben	rms value of the weighted seat vibration acceleration measured ch test or a standard roadway test;
	awB = attachment d	rms value of the weighted vibration acceleration measured at the seat luring a bench test;
	awB* = at the seat at	reference rms value of the weighted vibration acceleration measured tachment;
	awS* = measured du	corrected rms value of the weighted seat vibration acceleration ring a bench test;
	awF* = attachment d	rms value of the weighted vibration acceleration measured at the seat luring a standard roadway test.
2.13		atio' means the ratio of the weighted vibration acceleration measured on seat to that measured at the seat attachment in accordance with point
2.14	'Vibration cl	ass' means the class or group of tractors which show the same vibration es.
2.15	'Category A to of similar desi	ractor' means a tractor which can be assigned to a given vibration class by reason gn features.
	The character	ristics of these tractors are as follows:
	number of ax	les: two having wheels or rubber tracks on at least one axle
	suspension: u	insuspended rear axle
	Category A to	ractors shall be divided up into three classes:
	Class I	tractors having an unladen mass of up to 3 600;
	Class II	tractors having an unladen mass of 3 600 — 6 500 kg;
	Class III	tractors having an unladen mass of more than 6 500 kg.
2.16	'Category B Category A.	tractor' means a tractor which cannot be assigned to a vibration class in
2.17		type' means seats which do not differ in any essential respects; the only he seats may differ being as follows:
	dimensions	s;
	— position an	ad inclination of the backrest;
	inclination	of the seat surface;
	— longitudina	al and vertical adjustment of the seat.
2.18		belts are one of the operator restraint systems used for iver in motor vehicles.
2.18.1		ssembly is any strap or belt device fastened across the lap or ea designed to secure a person in a machine.

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2.18.2	The extension belt is intended as any strap, belt, or similar device that aids in the transfer of seat belt loads.
2.18.3	The anchorage is intended as the point where the seat belt assembly is mechanically attached to the seat system or tractor.
2.18.4	The seat mounting is intended as all intermediary fittings (such as slides, etc.) used to secure the seat to the appropriate part of the tractor.
2.18.5	The Operator Restraint System is intended as the total system composed of seat belt assembly, seat system, anchorages and extension which transfers the seat belt load to the tractor.
2.18.6	Applicable Seat Components comprise all components of the seat whose mass could contribute to loading of the seat mounting (to the vehicle structure) during a roll-over event.
3	General requirements
3.1	The driver's seat must be designed to ensure a comfortable position for the driver when controlling and manoeuvring the tractor, and to afford him the utmost protection as regards health and safety.
3.2	The seat must be adjustable in the longitudinal direction and in the height without the use of a tool.
3.3	The seat must be designed to reduce shocks and vibration. It must therefore be well sprung, have good vibration absorption and provide adequate support at the rear and sides. The lateral support is considered adequate if the seat is designed to prevent the driver's body from slipping sideways.
3.3.1	The seat must be suitable for persons of different mass. Any adjustment necessary in order to comply with this requirement must be carried out without the use of tools.
3.4	The seat surface, the backrest, the lateral supports and, where fitted, the removable, folding or fixed armrests, must be padded and the coating material must be washable.
3.5	The Seat Reference Point (S) must be calculated in the manner specified in Appendix 8
3.6	Save as otherwise provided, the measurements and tolerances must comply with the following requirements:
3.6.1	the measurements given must be expressed in whole units, if necessary rounded off to the nearest whole number of units;

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3.6.2	the instruments used for making measurements must enable the measured value to be rounded off to the nearest whole unit and must be accurate within the following tolerance limits:
	— for length: $\pm 0.5 \%$,
	— for angle measurements: $\pm 1^{\circ}$,
	— for determination of the mass of the tractor: $\pm 20 \text{ kg}$,
	— for measurement of tyre pressure: ± 0.1 bar;
3.6.3	for all data relating to dimensions, a tolerance of \pm 5 % is allowed.
3.7	The seat must undergo the following tests, carried out on the same seat and in the order indicated below:
3.7.1	determination of the suspension characteristics and the range of adjustment to the driver's mass;
3.7.2	determination of lateral stability;
3.7.3	Determination of vertical vibration characteristics.
3.7.4	Determination of the damping characteristics in the resonance range
3.8	If the seat is manufactured so that it can revolve about a vertical axis, then tests are carried out with the seat facing the forward position, locked in a position parallel with the median longitudinal plane of the tractor.
3.9	The seat undergoing the above tests must possess the same characteristics with respect to construction and fittings as the seats in series production.
3.10	Before the tests are carried out, the seat must have been run in by the manufacturer.
3.11	A test report, which confirms that the seat has completed all the specified tests without damage and which includes details of the seat vibration characteristics, must be prepared by the test laboratory.
3.12	Seats tested for Class I tractors are suitable only for tractors of that class, whereas seats tested for Class II tractors are suitable for Class I or Class II tractors and seats tested for class III tractors are suitable for class II and III tractors.
3.13	A vehicle equipped with a straddle seat and handlebars is deemed to comply with the requirements of points 3.2 to 3.7 where the straddle seat allows the operator to adjust his position on the seat so that he can effectively operate the control devices and where the vehicle passes the vibration test on the standard roadway as defined in point 4.5.3.
3.14	As an alternative to the provisions of point 4.5 , for vehicles of category C with steel tracks, the vibrations transmitted to the driver may be measured according to the specifications of paragraph 5.3.2 of ISO 6395:2008 with the unladen vehicle travelling over a layer of humid sand at a constant speed of 5 km/h (\pm 0,5 km/h) and with the engine at rated speed. The measurement shall be done following specifications of point 4.5.3.3 .
3.15	Seat belt (if provided) should meet minimum performance and tests requirements for anchorage as mentioned in Appendix VIII for agricultural and forestry tractors. It applies to the anchorage of pelvic restraint systems.

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4.0	Special requirements
4.1	Seat surface dimensions
4.1.1	The depth of the seat surface, measured parallel to and at a distance of 150 mm from the median longitudinal plane of the seat, must be 400 ± 50 mm (see figure 1).
4.1.2	The width of the seat surface, measured perpendicular to the median plane of the seat, 150 mm in front of the Seat Reference Point (S) and at not more than 80 mm above that point, must be at least 450 mm (see figure 1).
4.1.3	The depth and width of the surface of seats intended for tractors in which the minimum rear-wheel track width does not exceed 1 150 mm may be reduced to not less than 300 and 400 mm respectively if the design of the tractor prevents compliance with the requirements of points 4.1.1 and 4.1.2 .
4.2	Position and inclination of the backrest
4.2.1	The upper edge of the backrest of the seat must be at least 260 mm above the Seat Reference Point (S) (see figure 1).
4.2.2	The backrest must have an inclination of $10 \pm 5^{\circ}$ (see figure 1).
4.3	Inclination of the seat surface
4.3.1	The inclination towards the rear (see angle α in figure 1) of the surface of the loaded cushion must be 3 to 12° in relation to the horizontal, measured with the loading device in accordance with Appendix 8.
4.4	Seat adjustment (see figure 1)
4.4.1	The seat must be adjustable in the longitudinal direction over a minimum distance of:
	— 150 mm for tractors with a minimum rear-wheel track width of more than 1 150 mm,
	— 60 mm for tractors with a minimum rear-wheel track width of 1 150 mm or less.
4.4.2	The seat must be adjustable in the vertical direction over a minimum distance of:
	— 60 mm for tractors with a minimum rear-wheel track width of more than 1 150 mm,
	— 30 mm for tractors with a minimum rear-wheel track width of 1 150 mm or less.

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4.4.3	As an alternative to the requirements set out in points 4.4.1 and 4.4.2 , vehicles not equipped with an adjustable seat shall be equipped with a steering column and pedal(s)
	adjustable in the longitudinal and vertical directions over the minimum distances set out in points 4.4.1. to 4.4.2.
	Figure 1
	Special requirements of the driver's seat



(Dimensions in millimetres)

4.5	Seat tests
4.5.1	Determination of the suspension characteristics and the range of adjustment to the driver's mass.
4.5.1.1	The suspension characteristics are determined by a static test. The range of adjustment to the driver's mass is calculated from the suspension characteristics. These calculations are not necessary in the case of seats that cannot be manually adjusted to the driver's mass.
4.5.1.2	The seat is mounted on a test stand or on a tractor and a load applied to it, either directly or by means of a special device; this load must not differ by more than 5 N from the nominal load. The measuring error for the suspension travel shall not exceed ± 1 mm. The load must be applied in accordance with the procedure laid down in the Appendix 8.
4.5.1.3	A complete characteristic curve representing the deflection of the suspension system must be plotted from zero load to maximum load, and back to zero. The load graduations at which the suspension travel is measured must not exceed 100 N; at least eight measurement points must be plotted at approximately equal intervals in the suspension travel. The point taken as the maximum load should be either that at which no further suspension travel can be measured, or a load of 1 500 N. After each application or removal of the load, the suspension travel must be measured 200 mm in front of the Seat Reference Point (S) in the median longitudinal plane of the seat surface. After application or removal of the load, the seat must be allowed to return to its at-rest position.
4.5.1.4	In the case of seats with a mass adjustment scale, the characteristic curves representing the deflection of the suspension system are plotted at mass adjustments for drivers having a mass of 50 and 120 kg. In the case of seats without a mass adjustment scale and with adjustment stops, measurements are taken at the lowest and the highest mass adjustment. In the case of seats without a mass adjustment scale or adjustment stops, the adjustment must be so selected that:
4.5.1.4.1	for the lower mass adjustment limit, the seat just returns to the top of the suspension travel when the load is removed, and
4.5.1.4.2	for the upper mass adjustment limit, the load of 1 500 N depresses the seat to the lowest limit of the suspension travel.
4.5.1.5	The mean position of the suspension system is the position which the seat assumes when it is depressed by half the full travel of the suspension system.
4.5.1.6	Since the characteristic curves of the suspension system are generally hysteresis loops, the load must be determined by drawing a centre line through the loop (see definition of point 2.7. and sections A and B of Appendix 1).
4.5.1.7	To determine the limits of the adjustment range as a function of the driver's mass, the vertical forces determined in accordance with point 4.5.1.6 for points A and B (see Appendix 1) must be multiplied by the scale factor 0,13 kg/N.
4.5.2	Determination of lateral stability
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4.5.2.1	The seat must be set for the upper limit of the weight adjustment and connected to the test stand or to the tractor in such a way that its base plate rests on a rigid plate (test stand) not smaller than the base plate itself.
4.5.2.2	A test load of 1 000 N is applied to the surface or cushion of the seat. The point of application must lie 200 mm in front of the Seat Reference Point (S) and alternately on the two sides 150 mm from the plane of symmetry through the seat.
4.5.2.3	During application of the load, the variation in the lateral angle of inclination of the seat surface is measured in the end settings for horizontal and vertical seat adjustment. The permanent deformation close to the point of application of the load is not to be taken into consideration.
4.5.3	Determination of the vertical vibration characteristics
	The seat vibration is determined by tests on a test stand and/or a standard roadway depending on whether the seat is intended for a class (or classes) of Category A tractor or for a Category B tractor
4.5.3.1	Testing on the test stand
4.5.3.1.1	The test stand must simulate the vertical vibrations at the point of attachment of the driver's seat. The vibrations are generated by means of an electro-hydraulic device. The set values to be used are either those specified in Appendices 3, 4a and 4b for the class of tractor in question or the double-integrated acceleration signals recorded at the seat attachment of a Category B tractor moving at a speed of 12 ± 0.5 km/h on a standard roadway as defined in point $4.5.3.2.1$. To generate the vibrations, an uninterrupted double run of the set values must be used.
	The transition from the end of the sequence of acceleration signals recorded on the standard roadway in the first run to the start of the second run must be smooth and jolt-free. The measurements must not be made during the first run of the set values or of the acceleration signals. More values than the 700 laid down in Appendices 3 and 4a and 4b may be used if these values were calculated, for example, with a cubic Spline function from the original 700 values.
4.5.3.1.2	Besides an attachment for the test seat, the platform must contain a steering wheel and footrest. Its configuration must be as shown in Appendix 5.
4.5.3.1.3	The test stand must have a high degree of flexural and torsional rigidity and its bearings and guides must have no more than the technically necessary clearance. If the platform is carried on an oscillating arm, the dimension R must be not less than 2 000 mm (see Appendix 5). The magnitude of the vibration ratio at frequencies between 0,5 and 5,0 Hz shall be within the range $1,00 \pm 0,05$, measured at intervals not exceeding 0,5 Hz. The phase shift shall not vary by more than 20° throughout the same frequency range.
4.5.3.2.	Testing on a standard roadway

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4.5.3.2.1	The roadway consists of two parallel strips spaced according to the wheel track of the tractor. Both strips must be made of a rigid material, such as wood or concrete, and be formed either of blocks set in a base structure or of a continuous smooth surface. The longitudinal profile of each track strip is defined by the ordinates of elevation in relation to a base level; these ordinates are shown in the tables in Appendix 2. With regard to the roadway, the elevation is defined at intervals of 16 cm along each strip.
	The roadway must be firmly set in the ground and the distance between the strips must deviate only slightly over its entire length; the tractor's wheels must be fully supported at all times. Where the strips are formed of blocks, these must be 6 to 8 cm thick, with a distance of 16 cm between the centres of the blocks. The length of the standard roadway shall be 100 m.
	The measurements must begin as soon as the axis of the rear axle of the tractor is perpendicular to point $D = 0$ on the roadway, and end as soon as the axis of the front axle of the tractor is perpendicular to point $D = 100$ of the test roadway (see the table in Appendix 2).
4.5.3.2.2	Measurements shall be taken at a speed of 12 ± 0.5 km/h.
	The prescribed speed must be maintained without the use of brakes. The vibrations must be measured on the seat and at the point where the seat is attached to the tractor, with a light and a heavy driver.
	The speed of 12 km/h must be reached after a run-up track has been traversed. The surface of this run-up track must be flat and must join the standard roadway without any change in level.
4.5.3.2.3	The seat must be set for the driver's mass in accordance with the manufacturer's instructions
4.5.3.2.4	The tractor must be fitted with a protective frame and/or cab unless of a type for which this equipment is not required. It must not carry any ancillary equipment. Moreover, there must be no ballast on the wheels or framework, and no fluid in the tyres.
4.5.3.2.5	The tyres used during the test must have the standard dimensions and ply-rating, as specified in the manufacturer's instructions. The depth of the tread must not be less than 65 % of the depth of a new tread.
4.5.3.2.6	The side-walls of the tyres must not be damaged. The pressure of the tyre must correspond to the arithmetical mean of the reference pressures recommended by the tyre manufacturer. The wheel track must correspond to that used under normal working conditions for the tractor model on which the seat is fitted.
4.5.3.2.7	The measurements at the point of seat attachment and on the seat itself must be made during the same run.
	For measuring and recording the vibrations, an accelerometer, a measuring amplifier and a magnetic tape recorder or direct-reading vibration meter shall be used. The specifications for these instruments are as laid down in 4.5.3.3.2 to 4.5.3.3.6.

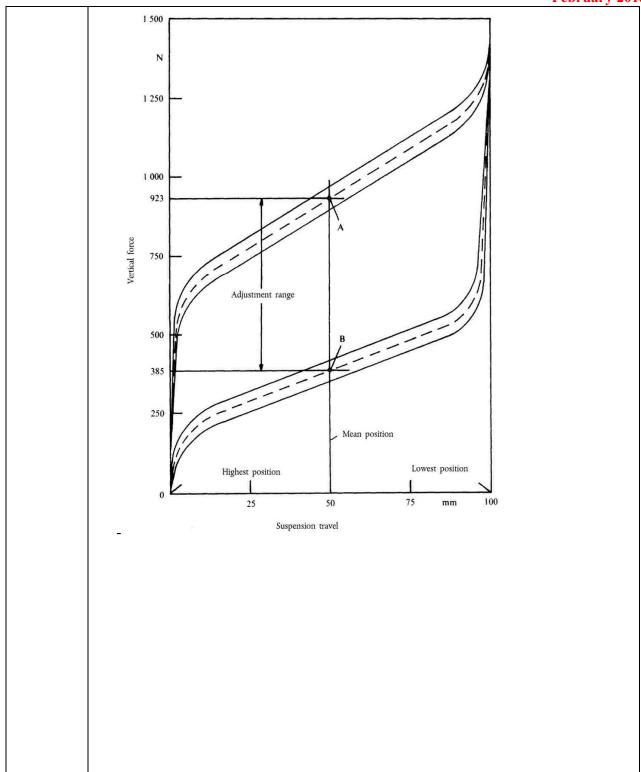
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4.5.3.3	Specifications for tests on roadway and test stand
4.5.3.3.1	Driver's mass
	The tests must be carried out with two drivers: one with a total mass of 59 ± 1 kg, of which not more than 5 kg may be carried in a weighting belt around the body; the other with a mass of 98 ± 5 kg with a maximum mass of 8 kg in the weighting belt.
4.5.3.3.2.	Position of the accelerometer
	To measure the vibrations transmitted to the driver, an accelerometer is fixed on a flat plate with a diameter of 250 ± 50 mm, the central part of which must be rigid up to a diameter of 75 mm and must include a rigid device to protect the accelerometer. This plate must be placed in the middle of the seat surface between the seat and the driver and have a non-slip surface.
	To measure the vibrations at the seat attachment, an accelerometer must be fixed near to this attachment at a point not more than 100 mm from the median longitudinal plane of the tractor and not outside the vertical projection of the seat surface on the tractor.
4.5.3.3.3.	Measurement of vibration acceleration
	The accelerometer and the associated amplifying and transmitting equipment must respond to vibrations with an r.m.s. value of 0.05 m/s2, and be capable of measuring vibrations with an r.m.s. value of 5 m/s2 and a crest factor (ratio of peak to r.m.s. value) of 3 without distortion and with a maximum error of ± 2.5 % over the range 1 to 80 Hz.
4.5.3.3.4	Magnetic tape recorder
	If a tape recorder is used, it must have a maximum reproduction error of \pm 3,5 % in a frequency range of 1 to 80 Hz, including change of tape speed during replay for analysis.
4.5.3.3.5	Vibration meter
4.5.3.3.5.1	Vibrations of more than 10 Hz may be disregarded. It is therefore permissible to connect upstream of the measuring instrument a low-pass filter with a cut-out frequency of about 10 Hz and an attenuation of 12 dB per octave.
4.5.3.3.5.2	This instrument must incorporate an electronic weighting filter between the sensor and the integrator device. The filter must correspond to the curve shown in Appendix 6 and the margin of error must be \pm 0,5 dB in the 2 to 4 Hz frequency band and \pm 2 dB for the other frequencies.
4.5.3.3.5.3	The electronic measuring device must be capable of indicating either:
	the integral (I) of the square of the weighted vibration acceleration (aw) for a test time
	(T) $I = \left(\int_0^T\right) (a_w)^2 dt$
	or the square root of that integral
	or directly the r.m.s. value of the weighted vibration acceleration
	$(a_{weff}) \ a_{weff} = \sqrt[2]{I/T} = \left(\sqrt[2]{I}/\sqrt[2]{T}\right)$

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	The inaccuracy of the entire system for measuring the rms value of the acceleration must not exceed \pm 5 % of the measured value.
4.5.3.3.6	All instruments must be regularly calibrated.
4.5.3.3.7	Evaluation of vibration tests
4.5.3.3.7.1	During each test, the weighted vibration acceleration for the whole test time must be determined with the vibration meter specified in point 4.5.3.3.5.
4.5.3.3.7.2	The test report must give the arithmetic mean value of the rms values of the weighted seat vibration acceleration (awS) for both the light driver and the heavy driver. The test report must also give the ratio of the arithmetic mean of the rms values of the weighted vibration acceleration measured on the seat (awS) to the arithmetic mean of the rms values of the weighted vibration acceleration measured at the seat attachment (awB). This ratio shall be given to two decimal places.
4.5.3.3.7.3	The ambient temperature during the vibration test must be measured and shown in the report.
4.5.4	Vibration test for tractor seats in accordance with their intended use
4.5.4.1	A seat intended for use on a class (or classes) of Category A tractors must be tested on a vibration stand using the appropriate set value signals.
4.5.4.2	A seat intended for use on a type of Category B tractor must be tested on a standard roadway with a tractor of that type. However, a simulation test may also be carried out using a set value signal corresponding to the acceleration curve which was determined during the standard roadway test with the type of tractor for which the seat is intended.
4.5.4.3	A seat intended for use only on a particular type of Category A tractor may also be tested in accordance with the requirements of 4.5.4.2. In this case, component type-approval will be granted only for the type of tractor for which the test seat is intended.
4.5.5	Procedure used for determining the weighted vibration acceleration of seats intended for Category A tractors
4.5.5.1	The test on the vibration test stand shall be carried out in accordance with point 4.5.3.1. the value awB actually occurring at the seat attachment during measurement must be determined. In the case of deviations from the reference value:
	a*wB = 2,05 m/s2 for class I, category A tractors.
	a*wB = 1,5 m/s2 for class II, category A tractors.
	a*wB = 1,3 m/s2 for class III, category A tractors.
	The acceleration awS measured at the driver's seat must be corrected in accordance with the following equation:
	$\left(a_{wS}^{*}\right) = \left(a_{wS}\right)\left(a\left(_{wB}^{*}\right)/\left(a_{wB}\right)\right)$

the vibratory movement shall be measured at the seat for 28 seconds in the case of classes I and III, and for 31 seconds in the case of class II. The measurement must begin at the set value signal corresponding to t = 0 seconds and end at the set value signal corresponding to t = 28 or 31 seconds (see table in Appendices 3, 4a and 4b). At least two test runs must be carried out. The measured values must not deviate from the arithmetical mean by more than ± 5 %. Each complete set point sequence must be reproduced in 28 or 31 ± 0,5 4.5.6.1 Procedure used for determining the weighted vibration acceleration of seats intended for Category B tractors In accordance with the requirements of points 4.5.4.2, the seat vibration tests are not applicable to a class of tractors, but only to each tractor type for which the seat is intended. 4.5.6.2 The standard roadway test must be carried out in accordance with the requirements of points 4.5.3.2 and 4.5.3.3. The vibration acceleration measured on the driver's seat (awS) need not be corrected. At least two test runs must be carried out of the standard roadway. The measured values must not deviate from the arithmetic mean by more than ± 10 %. If a bench test is conducted, it must be carried out in association with a standard roadway test pursuant to the requirements of points 4.5.3.1 and 4.5.3.3. 4.5.6.4 The vibration test stand shall be adjusted in such a way that the rms value of the weighted vibration acceleration recorded at the seat attachment (awB) deviates by less than ± 5 % from the rms value of the weighted vibration acceleration recorded at the seat attachment during the test run, the weighted vibration acceleration recorded at the driver's seat during the test on the test stand must be corrected as follows: (a**w**s**) = (a**w**s**) ((a**w**s**) / (a**w**s**). Test for determining the damping characteristics in the resonance range 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal	4.5.5.2	For each of the two drivers provided for in point 4.5.3.3.1, the weighted acceleration of
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than ± 5 % from the rms value of the weighted vibration acceleration at the seat attachment recorded on the standard roadway (a*wF). In the event of deviations from the value (awF*) measured at the seat attachment during the test run, the weighted vibration acceleration recorded at the driver's seat during the test on the test stand must be corrected as follows: $ \begin{pmatrix} a_{wS}^* \\ $	4.5.6.4	The vibration test stand shall be adjusted in such a way that the rms value of the
attachment recorded on the standard roadway (a*wF). In the event of deviations from the value (awF*) measured at the seat attachment during the test run, the weighted vibration acceleration recorded at the driver's seat during the test on the test stand must be corrected as follows: $ \begin{pmatrix} a_{wS}^* \\ \end{pmatrix} = (a_{wS}) \begin{pmatrix} (a_{wF}^*) / (a_{wB}) \\ \end{pmatrix} $ Each of the tests on the test stand must be carried out twice. The measured values must not deviate from the arithmetic mean by more than ± 5 %. Test for determining the damping characteristics in the resonance range 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
In the event of deviations from the value (awF*) measured at the seat attachment during the test run, the weighted vibration acceleration recorded at the driver's seat during the test on the test stand must be corrected as follows: $ \begin{pmatrix} a_{wS}^* \\ a_{wS} \end{pmatrix} = (a_{wS}) \left(\left(a_{wF}^* \right) / (a_{wB}) \right) $ Each of the tests on the test stand must be carried out twice. The measured values must not deviate from the arithmetic mean by more than ± 5 %. Test for determining the damping characteristics in the resonance range 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
test run, the weighted vibration acceleration recorded at the driver's seat during the test on the test stand must be corrected as follows:		attachment recorded on the standard roadway (a*WF).
the test stand must be corrected as follows:		
Each of the tests on the test stand must be carried out twice. The measured values must not deviate from the arithmetic mean by more than ± 5 %. Test for determining the damping characteristics in the resonance range 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
Each of the tests on the test stand must be carried out twice. The measured values must not deviate from the arithmetic mean by more than ± 5 %. 4.5.7 Test for determining the damping characteristics in the resonance range This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		\$6 2000 164000 F. Mr. St.
Each of the tests on the test stand must be carried out twice. The measured values must not deviate from the arithmetic mean by more than ± 5 %. 4.5.7 Test for determining the damping characteristics in the resonance range This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		$\begin{pmatrix} a_{wS}^* \end{pmatrix} = (a_{wS}) \left(\begin{pmatrix} a_{wF}^* \end{pmatrix} / (a_{wB}) \right)$
must not deviate from the arithmetic mean by more than ± 5 %. 4.5.7 Test for determining the damping characteristics in the resonance range 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: 4.5.7.2 Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		("5)
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 4.5.7.1 This test is carried out on the test stand as specified in point 4.5.3.1. However, account must be taken of the following: 4.5.7.2 Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of 		
must be taken of the following: Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of	4.5.7	Test for determining the damping characteristics in the resonance range
must be taken of the following: 4.5.7.2 Instead of the set values specified in the second paragraph of point 4.5.3.1.1 (see Appendices 3, 4a and 4b), sinusoidal oscillations of ± 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of	4.5.7.1	This test is carried out on the test stand as specified in point 4.5.3.1. However, account
Appendices 3, 4a and 4b), sinusoidal oscillations of \pm 15 mm amplitude with a frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
frequency of 0,5 to 2 Hz are generated. The frequency range is to be run through with a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of	4.5.7.2	
a constant rate of frequency change in not less than 60 seconds or at intervals no greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
greater than 0,05 Hz with increasing frequency, and in an identical manner with decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
decreasing frequency. During this measurement, it is permissible to filter the signals emitted by the accelerometers through a bandpass filter with cut-off frequencies of		- · · · · ·
emitted by the accelerometers through a bandpass filter with cut-off frequencies of		
0,5 and 2,0 Hz.		emitted by the accelerometers through a bandpass filter with cut-off frequencies of
		0,5 and 2,0 Hz.

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4.5.7.3	The seat is to be loaded with a ballast of 40 kg in the first test and with a mass of 80 kg in the second test; the ballast is to be applied on the device illustrated in Figure 1 of Appendix 8, with the same line of action of the force as when determining the Seat Reference Point (S).
4.5.7.4	The ratio of the rms values of the vibration acceleration on the seat surface awS to those at the seat attachment awB:
	$V = (a_{\rm wS}) / (a_{\rm wB})$
	is to be determined in the frequency range from 0,5 to 2,0 Hz at intervals no greater than
	0,05 Hz.
4.5.7.5	The ratio measured must be given in the test report to two decimal places.
5	Application of Approval
5.1	Manufacturer / Importer has to submit the application for type approval for driver's seat & / or seat belt anchorages in format mentioned in Appendix X & Appendix 11 respectively .
5.2	After verifying the application, manufacturer will submit minimum 2 Nos of samples driver's seat & seat belt anchorage to the test agency after necessary run in.
5.3	Test agency will verify the samples submitted against the requirement mentioned in this standard & issue the type approval number to the manufacture.
6	Markings
6.1	On receipt of type approval number from test agency, manufacturer will declare the location of affixing the type approval mark on the driver's seat & seat belt anchorages.
6.2	Manufacturer should display following on the type approved component either engraved on the seat or marked / engraved /pasted on compliance plate attached to seat :- (1) Make (2) Type approval Number
7.0	Transitional provisions
	Required or not to be discussed.
8.0	Extension of type approval
8.1	Manufacturer / Applicant may submit the application of extension for change in technical specification along with drawings & details of change in specification parameters . test agency shall go through the document & decide the method of extension , i.e Testing is required to establish the compliance or administratively extension can be issued. Any criteria of extension to be added – to be discussed with members .
9.0	Establishing compliance of "E"/"e"/OECD Code 3 / approved driver's seat / Seat belt

the test a	agency may issue adminis	pliance test report as per equivalent international standard strative extension after verification of test results of testing will be required if test report /certificate as
S.No	Component / STU	Equivalent International Standard
1	Driver's Seat	Annexure XXIII to RVFSR 1322/2014
2	Seat Belt Anchorage	OECD code 3 / UNECE Regulation No 14 (OJ L 109,
		28.4.2011, p. 1)
TO be d	iscussed and concluded in	nternally.
		Appendix 1
De		teristics curves of the suspension system and the load justment range (point 4.5.1)



Appendix 2

Test on standard roadway

Table of elevation ordinates in relation to a basic level defining the surface of each strip of the roadway (point 4.5.3.2.1)

- D = distance from the beginning of the standard roadway (in metres)
- L = ordinate of the left-hand strip (mm)
- R = ordinate of the right-hand strip (mm)

D	L	R.	D	L	R	D	L	R.	D	L	R.	D	L	R
0	115	140	4-48	100	100	9-12	110	100	13-76	70	75	18-40	70	75
0-16	110	125	4.64	100	90	9-28	125	90	13-92	70	90	18-56	75	75
0-32	110	140	4-90	90	90	9-44	120	100	14-08	70	100	18-72	95	75
0.48	115	135	4.96	90	90	9-60	135	95	14-24	70	110	18-88	90	75
0-64	120	135	5-12	95	90	9-76	120	95	14-40	65	95	19-04	90	70
0-80	120	125	5-28	95	70	9-92 1	120	95	14-56	65	100	19-20	95	70
0-96	125	135	5-44	95	65	10-08	120	95	14-72	65	90	19-36	85	70
1-12	120	125	5-60	90	50	10.24	115	85	14-88	65	90	19-52	85	75
1-28	120	115	5.76	95	50	10-40	115	90	15-04	65	85	19-68	75	85
1-44	115	110	5.92	85	50	10-56	115	85	15-20	55	85	19-84	85	85
1-60	110	100	6-08	85	55	10-72	115	90	15-36	65	85	20-00	75	90
1-76	110	110	6-24	75	55	10-88	120	90	15-52	65	85	20-16	85	85
1-92	110	110	6.40	75	55	11-04	110	75	15-68	55	75	20-32	75	70
2-08	115	115	6.56	70	65	11:20	110	75	15-84	55	85	20-48	70	75
2-24	110	110	6-72	75	75	11-36	100	85	16-00	65	75	20-64	65	75
larane.	75	5 000	6.88	65	75	11-52	110	85	16-16	55	85	20-80	70	75
2-40	100	110	7-04	65	85	11-68	95	90	16-32	50	75	20-96	65	75
2-56	100	100	7-20	65	90	11-84	95	90	16-48	55	75	21-12	70	75
2-72	95	110	7-36	75	95	12-00	95	85	16-64	65	75	21.28	70	85
2-88	95	95	7:52	75	100	12-16	100	95	16-80	65	75	21-44	70	85
3-04	90	95	7-68	95	95	12:32	100	90	16-96	65	85	21-60	70	90
3-20	90	100	7-84	115	110	12-48	95	85	17-12	65	70	21.76	75	95
3-36	85	100	8-00	115	100	12-64	95	85	17-28	65	65	21-92	75	95
3-52	90	100	8-16	125	110	12-80	95	90	17-44	65	75	22:08	75	90
3-68	90	115	8-32	110	100	12-96	85	90	17:60	65	75	22-24	85	90
3-84	95	110	8-48	110	100	13-12	85	85	17-76	50	75	22-40	85	95
4-00	90	110	8-64	110	95	13-28	75	90	17-92	55	85	22-58	90	85
4-16	90	95	8-80	110	95	13-44	75	95	18-08	55	85	22:72	90	85
4-32	95	100	8-96	110	95	13-60	75	90	18-24	65	85	22-88	95	85

D.	The l	200	D.	14.	R.	10	1.	1	D	L	. 18	D	1.	8
23:04	98	8.5	28-96	75	90	34.98	113	90	40.90	95	75	46-72	85	90
23:20	100	185	29-12	75	75	35 04	135	100	40.96	95	75			85
23-56	100	75	29:28	75	75	35 20	120	100	41-12	95	75	47/04	90	95
23-52	130	85	29-44	20.	75	35.96	120	100	41:28	90	-90	47/20	75	115
13-68	110	9.5	29-60	75	75	35-52	133	95	41:44	90	95	47/36	65	. 73
25-64	110	185	29-76	75	185	35-68	135	95	41-60	85	95	47(52)	70	70
24:00	100	75	29:12	83	75	35.84	135	95	41:76	65	100	47:68	70	99
24-16	100	75	30-08	75	75	36 00	135	90	41.92	90	300	47-54	70	75
24-32	95	. 70	30-24	85	75	36/16	120	75	42:08	90	95	48/00	75	115
24-48	100	70	30-40	75	75	36/32	115	75	42:24	85	100	48/16	90	95
24:64	100	30	30-56	70.	75	36:48	110	70	42 40	85	110	48/32	95	95
24-60	0.113	75	30-72	75	75	36 64	100	65	42:56	95	110	48-48	100	120
34-96	130	75	50-88	85	75	36-90	110	55	42 T2	95	115	48-64	110	100
25/12	110	9.5	31/04	90	75	36-96	115	55	42 88	95	115	48/30	115	100
25 28	100	25	31:20	90	85	37:12	100	50	43:04	100	100	48-96	115	113
25-44	E 110	95	31:36	100	75	37:28	135	50	43:20	100	95	49:13	120	115
25 60	100	95	31-52	100	75	37:44	110	50	43.36	100	95	49-28	120	110
25 76	115	100	31 68	320	85	37-60	100	63	43/52	100	90	49-44	115	95
25 92	113	100	31:84	1115	75	37-76	99	55	43-68	110	-95	49-60	115	- 90
26 08	110	195	32:00	120	85	37-92	95	55	43:84	100	100	49:26	315	90
26/24	135	95	32/16	120	85	38-08	90	35	44 (0)	110	90	49-92	100	95
25/40	110	95	52:32	135	90	59:24	90	35	44 16	100	85	50-06	110	100
2n 56	100	165	32:48	145	95	38-40	110	35	44/32	110	90	50-24	100	110
26/72	100	115	32-64	160	95	38-56	100	35	44-48	110	BS.	50:40	100	120
26:88	100	100	32:80	165	96	38-72	135	35	44/64	100	85	50-56	95	120
27/04	100	95	32-56	155	90	38/98	100	35	44 80	100	90	50-72	95	11.5
27:20	100	165	33:12	145	99	39:04	100	35	44.96	95	90	50/88	165	126
27.36	2110	190	33:28	140	95	39-20	110	30	45 12	190	95	51:64	95	120
27/52	113	190	33:44	140	85	39-36	110	45	45/28	90	100	51:20	90	135
27-68	115	85	33-60	140	9.5	39-52	110	50	45 44	95	300	51:36	95	125
27.64	110	90	33-76	325	75	39-68	100	- 55	45 60	90	90	51-52	-95	120
28 00	110	88	33-92	125	75	59-94	110	50	45.76	85	90	51-68	100	120
28-16	310	83	34-08	1115	85	40.00	90	55	45.92	75	90	51-64	100	120
29:52	100	85	34/24	120	75	40-16	9.5	55	46 08	85	90	52:00	100	120
28-48	100	90	34:46	125	75	40:32	90	65	46/24	75	90	52-16	900	125
28:64	90	8.5	34-56	133	95	40-4k	90	65	46 40	. 25	90	52-32	110	325
28 60	90	25	34/72	113	75	40 64	90	70	46:54	75	90	52:48	150	129

D	4		D.	1	R	D	I.	R	D	T.	- 31	D	L	R
52:64	100	125	58:56	90	95	64.48	70	75	70:24	35	65	76-16	100	125
52 80	100	120	58-72	85	90	64 64	70	70	70:40	35	.55	76:32	100	125
52:96	100	120	58.88	90	90	64 80	70	55	70:58	45	.55	76:48	100	125
53-12	110	115	59 04	90	95	64:96	70	45	70-72	50	55	76'64	110	125
53-28	100	110	59:20	90	115	65:12	65	55	70:88	50	50	76 80	115	125
53:44	110	110	59:36	90	115	65:28	65	55	71 04	50	45	76-96	120	125
53:60	95	110	59 52	90	115	65 44	65	65	71-20	50	45	27:12	120	125
53-76	95	110	59.68	85	110	65 60	55	70	71-36	50	.50	77/28	120	135
53-92	100	110	59:84	75	110	65:76	55	75	71-52	45.	45	77:44	110	125
54:08	95	100	60 00	90	115	65-92	55	75	71-68	45	.55	27:60	100	125
54:24	100	100	60-16	90	120	66 08	55	75	71:84	55	65	77:76	120	135
54-40	100	100	60:32	90	120	66-24	55	85	72:00	55	65	77-92	120	125
54.56	100	100	60.48	90	120	66:46	55	85	72:16	70	65	78:03	120	125
54:72	95	100	60 64	95	120	66:56	65	90	72-32	70	75	78:24	115	125
54 88	100	100	60.80	95	120	66/72	70	90	72 48	75	85	78 40	115	126
55-04	100	115	60 96	90	120	66.88	70	110	72 64	75	85	78:56	115	126
55-20	110	115	61-12	90	115	67-04	65	100	72:80	75	90	78-72	110	126
55:36	100	110	61:28	95	110	67-20	35	100	72:96	85	93	78 88	100	120
55-52	110	100	6144	95	110	67:36	65	100	73:12	96	100	79:04	100	120
55-68	100	110	61 60	300	100	67:52	50	100	73:28	90	110	79:20	95	120
55/84	100	310	61 76	110	100	3			73-44	90	115	79:36	95	120
56:00	100	110	61-92	300	100	67 68	50	85	73-60	90	120	79-52	95	125
56 16	95	115	62-08	100	100	67:94	50	90	73-76	90	115	79.68	95	125
56:32	90	110	62:24	95	100	68:00	50	100	73-92	90	115	79:84	100	126
56:48	95	110	62 40	95	100	68:16	55	100	74-08	110	115	80 00	95	125
56/64	95	110	62:56	95	100	68:32	55	95	74:24	100	100	80 16	95	125
56-80	90	100	62:72	90	100	68 48	65	90	74-40	100	110	80/32	95	125
56:96	100	100	62.88	90	100	68 64	50	85	74-56	100	110	80 48	100	126
37:12	100	95	63 04	90	100	68 80	50	70	74:72	95	115	80 64	100	125
57:28	95	100	63:20	90	90	68 96	50	70	74/88	95	120	80'80	100	125
57:44	100	100	63:36	90	90	69:12	50	65	75-04	95	125	80 96	110	125
57:60	95	115	63:52	85	90	69:28	50	.55	75:20	95	135	81-12	115	135
57:76	85	310	63 68	85	90	69.44	45	50	75:36	100	135	81-28	110	140
57-92	90	115	63:84	75	85	69-60	35	50	75:52	100	140	81:44	115	140
58:08	90	110	64 00	75	85	69-76	35	55	75 68	100	140	81 60	110	140
58:24	90	100	64-16	75	75	69-92	35	65	75 84	100	140	81.76	115	140
58/40	85	95	64 32	75	75	70:08	35	65	76:00	110	135	81-92	110	140

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D	L	R	D	L	R	D	L	R	D	L.	R	D	L	R
82-08	110	140	85-76	125	165	89-44	95	125	93-12	120	145	96-80	95	120
82-24	110	135	85-92	135	160	89-60	100	120	93-28	120	145	96-96	95	120
82-40	110	135	86-08	135	160	89-76	100	135	93-44	115	145	97-12	95	120
82-56	100	125	86-24	125	155	89-92	110	140	93-60	120	145	97-28	95	110
87-72	110	125	86-40	125	155	90-08	110	135	93-76 115 140		97-44	100	115	
82-88	110	125	86-56	120	145	90-24	110	140	93-92	115	140		10000	
83-04	100	125	86-72	120	145	90-40	100	145	94-08	115	140	97-60	110	120
83-20	100	120	86-98	110	140	90-56	100	155	94-24	115	140	97-76	110	115
83-36	100	125	87-04	110	140	90-72	110	155	94-40	115	140	97-92	100	115
83-52	100	120	87-20	110	140	90-88	110	155	94-56	115	140	98-08	95	115
83-68	100	135	87-36	110	140	91-04	100	155	94-72	94-72 115 135		98-24	100	115
83-84	95	140	87-52	110	140	91-20	110	155	94-88	115	135	98-40	95	115
84-00	100	135	87-68	100	135	91-36	110	160	95-04	110	135	98-52	100	115
84-16	110	140	87-84	100	135	91-52	115	160	95-20	110	135	98-72	100	110
84-32	110	140	88-00	100	135	91-68	110	155	95-36	110	135	98-88	110	100
84-48	110	140	88-16	100	125	91-84	115	155	95-52	115	135	00-04	95	95
84-64	110	140	88-32	110	120	92-00	115	140	95-68	100	140	99-20	90	100
84-80	120	155	88-48	115	120	92-16	115	155	95-84	95	135		- 35	- 555
84-96	115	145	88-64	110	120	92-32	120	155	96-00	100	125	99-36	90	100
85-12	115	155	88-90	110	125	92-48	125	145	96-16	95	125	93-52	75	110
85-28	120	160	88-96	100	125	92-64	125	155	96-32	95	125	99-68	75	115
85-44	120	165	89-12	100	125	92-80	125	155	96-48 95 125		99-84	75	115	
85-60	120	160	89-28	95	125	92-96	120	155	96-64	110	125	100-00	75	110

Appendix 3

Set-value signals for the test-stand inspection of the driver's seat on Category A (Class I) tractors (point 4.5.3.1.1)

PS = set point

a = amplitude of the required value signal in 10–4 m,

t = measurement time in seconds

When the sequence of signals is repeated in the table for 701 points, points 700 and 0 coincide in time at an amplitude of a = 0:

15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 4-0 128 0 010 18 - 0 039 45 - 0 562 73 - 0 088 101 - 0 011 129 0 025 46 - 0 550 74 - 0 033 102 0 061 130 0 074 20 - 0 056 48 - 0 576 75 0 000 3-0 103 0 131 131 0 106 21 - 0 059 49 - 0 622 77 - 0 040 105 0 161 133 0 090 22 - 0 068 50 - 0 669 2-0 78 - 0 098 106 0 131 134 0 048 23 - 0 104 51 - 0			_		_	_		_							_		
1 0.344 0.04 27 -0.143 55 -0.314 83 -0.032 111 0.148 2 0.333 0.08 28 -0.155 56 -0.282 84 -0.050 112 0.153 3 0.272 30 -0.181 58 -0.373 86 -0.039 114 0.119 5 0.127 31 -0.155 59 -0.446 87 -0.011 115 0.099 6 0.115 33 -0.141 61 -0.465 88 0.014 116 0.091 7 0.169 34 -0.170 62 -0.417 90 0.054 118 0.099 8 0.243 35 -0.221 63 -0.352 91 0.040 119 0.062 9 0.298 36 -0.259 64 -0.262 92 0.006 120 0.072 10 0.320 37 -0.281																	t s
2 0.333 0.08 28 -0.155 56 -0.282 84 -0.050 112 0.153 3 0.272 29 -0.179 57 -0.308 85 -0.052 113 0.139 4 0.192 31 -0.155 58 -0.373 86 -0.039 114 0.119 5 0.127 32 -0.139 60 -0.446 87 -0.011 115 0.099 6 0.115 33 -0.141 61 -0.465 88 0.014 116 0.091 7 0.169 34 -0.170 62 -0.417 90 0.054 118 0.059 8 0.243 35 -0.221 63 -0.352 91 0.040 119 0.062 9 0.298 36 -0.259 64 -0.262 92 0.006 120 0.072 10 0.320 37 -0.281 65 -0	0	0 000	0	П	26	- 0 144		54	- 0 429		82	- 0 036		r	110	0 110	
29 -0 179 57 -0 308 85 -0 052 113 0 139 114 0 119 115 0 099 114 0 119 115 0 099 116 0 001 116 0 001 117 0 078 0 0 0054 118 0 0059 119 0 0054 118 0 0057 0 0054 0 0054 0 0054 0 0054 0 0055 0 0 0054 0 0055 0 0 0054 0 0055 0 0 0054 0 0 0054 0 0 0054 0 0 0054 0 0 0 0054 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	0 344	0.04		27	- 0 143		55	- 0314		83	- 0 032			111	0 148	
30 0 181 58 0 0 373 36 0 0 0 114 0 0 115 0 0 0 0 0 0 0 0 0	2	0 333	0.08		28	- 0 155		56	- 0 282		84	- 0 050			112	0 153	
4 0192 31 -0155 59 -0446 87 -0011 115 0099 6 0115 32 -0139 60 -0469 88 0014 116 0091 7 0169 33 -0141 61 -0465 89 0041 117 0078 8 0243 35 -0221 63 -0352 91 040 119 062 9 0298 36 -0259 64 -0262 92 006 120 0072 10 0320 37 -0281 65 -0211 93 -0000 121 0122 11 0270 38 -0268 66 -0180 94 0025 122 0155 12 0191 39 -0258 67 -0182 95 0065 123 0191 13 0124 40 -0285 68 -0210 96 0076 124	3	0 272			29	- 0 179		57	- 0 308		85	- 0 052			113	0 139	
5 0 127 32 - 0 139 60 - 0 469 88 0 0 0 41 116 0 0 91 7 0 169 33 - 0 141 61 - 0 465 89 0 0 41 117 0 0 78 8 0 243 35 - 0 221 63 - 0 352 91 0 0 40 119 0 0 62 9 0 298 36 - 0 259 64 - 0 262 92 0 0 05 120 0 0 72 10 0 320 37 - 0 281 65 - 0 211 93 - 0 000 121 0 122 11 0 270 38 - 0 268 66 - 0 180 94 0 025 122 0 155 12 0 191 39 - 0 258 67 - 0 182 95 0 065 123 0 191 13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 - 0 057 41 - 0 348 69	4	0 192			30	- 0 181		58	- 0 373		86	- 0 039			114	0 119	
6 0 115 33 - 0 141 61 - 0 465 89 0 041 117 0 078 8 0 243 34 - 0 170 62 - 0 417 90 0 054 118 0 059 9 0 298 36 - 0 259 64 - 0 262 92 0 006 120 0 072 10 0 320 37 - 0 281 65 - 0 211 93 - 0 000 121 0 122 11 0 270 38 - 0 268 66 - 0 180 94 0 025 122 0 155 12 0 191 39 - 0 285 67 - 0 182 95 0 065 123 0 191 13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 - 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 9 15 - 0 027 42 - 0 437 7	5	0 127			31	- 0 155		59	- 0 446		87	- 0 011			115	0 099	
7 0 169 33 - 0 141 61 - 0 465 89 0 041 117 0 078 8 0 243 34 - 0 170 62 - 0 417 90 0 054 118 0 059 9 0 298 36 - 0 259 64 - 0 262 92 0 006 120 0 072 10 0 320 37 - 0 281 65 - 0 211 93 - 0 000 121 0 122 11 0 270 38 - 0 268 66 - 0 180 94 0 025 122 0 155 12 0 191 39 - 0 285 68 - 0 210 96 0 076 124 0 184 14 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 125 0 143 15 0 007 124 0 184 - 0 547 71 - 0 186 99 - 0 066 127 0 029 127 0 029 127 0 029	6	0.115			32	- 0 139		60	- 0 469		88	0 014			116	0 091	
8 0 243 34 - 0 170 62 - 0 417 90 0 054 118 0 059 9 0 298 36 - 0 259 64 - 0 262 92 0 006 120 0 072 10 0 320 37 - 0 281 65 - 0 211 93 - 0 000 121 0 122 11 0 270 38 - 0 268 66 - 0 180 94 0 025 122 0 155 12 0 191 39 - 0 268 67 - 0 182 95 0 65 123 0 191 13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 - 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 2 15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 547 7				П	33	- 0 141		61	- 0 465		89	0 041		Г	117	0 078	
9 0 298				П	34	- 0 170		62	- 0417		90	0 054	П	Г	118	0 059	
10	8	0 243		П	35	- 0 221		63	- 0352		91	0 040	П	r	119	0 062	
11 0 270 38 - 0 268 66 - 0 180 94 0 025 122 0 155 12 0 191 39 - 0 258 67 - 0 182 95 0 065 123 0 191 13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 98 15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 40 128 0 010 18 - 0 039 46 - 0 550 74 - 0 033 102 0 061 130 0 074 20 - 0 056 48	9	0 298		П	36	- 0 259		64	- 0 262		92	0 006	П	ı	120	0 072	
12 0 191 39 - 0 258 67 - 0 182 95 0 065 123 0 191 13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 3 15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 4-0 128 0 010 18 - 0 039 45 - 0 550 74 - 0 033 102 0 061 130 0 074 20 - 0 056 48 - 0 576 76 0 001 104 0 168 132 0 115 21 - 0 059 49	10	0 320		П	37	- 0 281		65	- 0 211		93	- 0 000	П	r	121	0 122	
13 0 124 40 - 0 285 68 - 0 210 96 0 076 124 0 184 14 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 98 15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 40 128 0 010 18 - 0 039 46 - 0 562 73 - 0 088 101 - 0 011 129 0 025 19 - 0 055 46 - 0 550 74 - 0 033 102 0 061 130 0 074 21 - 0 059 49 - 0 622 77 - 0 040 104 0 168 132 0 115 21 - 0 068 50 <td>11</td> <td>0 270</td> <td></td> <td>П</td> <td>38</td> <td>- 0 268</td> <td></td> <td>66</td> <td>- 0 180</td> <td></td> <td>94</td> <td>0 025</td> <td>П</td> <td>r</td> <td>122</td> <td>0 155</td> <td></td>	11	0 270		П	38	- 0 268		66	- 0 180		94	0 025	П	r	122	0 155	
14 0 057 41 - 0 348 69 - 0 222 97 0 054 125 0 143 98 15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 4-0 128 0 010 18 - 0 039 45 - 0 562 73 - 0 088 101 - 0 011 129 0 025 46 - 0 550 74 - 0 033 102 0 061 130 0 074 47 - 0 550 75 0 000 3-0 103 0 131 131 0 106 21 - 0 059 49 - 0 622 77 - 0 040 105 0 161 133 0 090 22 - 0 068 50 - 0 669 2-0 78 - 0 098 106 0 131 134 0 048 23 - 0 104 </td <td>12</td> <td>0 191</td> <td></td> <td>П</td> <td>39</td> <td>- 0 258</td> <td>П</td> <td>67</td> <td>- 0 182</td> <td></td> <td>95</td> <td>0 065</td> <td>П</td> <td>r</td> <td>123</td> <td>0 191</td> <td></td>	12	0 191		П	39	- 0 258	П	67	- 0 182		95	0 065	П	r	123	0 191	
15 0 027 42 - 0 437 70 - 0 210 98 - 0 016 126 0 087 16 0 004 43 - 0 509 71 - 0 186 99 - 0 066 127 0 029 17 - 0 013 44 - 0 547 72 - 0 141 100 - 0 048 40 128 0 010 18 - 0 039 46 - 0 550 73 - 0 088 101 - 0 011 129 0 025 46 - 0 550 74 - 0 033 102 0 061 130 0 074 47 - 0 550 75 0 000 3·0 103 0 131 131 0 106 21 - 0 059 48 - 0 576 76 0 001 104 0 168 132 0 115 22 - 0 068 50 - 0 669 2·0 78 - 0 098 106 0 131 134 0 048 23 - 0 104 51 - 0 689 79 - 0 130	13	0 124		П	40	- 0 285		68	- 0 210		96	0 076	П		124	0 184	
15 0 027 16 0 004 17 - 0 013 18 - 0 039 19 - 0 055 20 - 0 056 21 - 0 059 22 - 0 068 23 - 0 104 24 - 0 134 24 - 0 134	14	0 057		П	41	- 0 348		69	- 0 222		97	0 054	П	Ī	125	0 143	5-0
16 0 004 17 - 0 013 18 - 0 039 19 - 0 055 20 - 0 056 21 - 0 059 22 - 0 068 22 - 0 068 23 - 0 104 24 - 0 134 24 - 0 134 25 - 0 634 26 - 0 150 27 - 0 141 100 - 0 048 101 - 0 011 129 0 025 102 0 061 130 0 074 131 0 106 131 0 106 132 0 115 133 0 090 105 0 161 133 0 090 106 0 131 134 0 048 135 0 038 24 - 0 134 106 0 131 107 0 086 136 0 066	15	0 027		П	42	- 0 437		70	- 0 210		98	- 0 016		Г	126	0 087	
17 - 0 013 45 - 0 562 73 - 0 088 101 - 0 011 129 0 025 18 - 0 039 46 - 0 550 74 - 0 033 102 0 061 130 0 074 19 - 0 055 47 - 0 550 75 0 000 3·0 103 0 131 131 0 106 20 - 0 056 48 - 0 576 76 0 001 104 0 168 132 0 115 21 - 0 059 49 - 0 622 77 - 0 040 105 0 161 133 0 090 22 - 0 068 50 - 0 669 2·0 78 - 0 098 106 0 131 134 0 048 23 - 0 104 51 - 0 689 79 - 0 130 107 0 086 135 0 038 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	16	0 004		П	43	- 0 509		71	- 0 186		99	- 0 066	П	Г	127	0 029	
18 - 0 039 45 - 0 562 73 - 0 088 101 - 0 011 129 0 025 19 - 0 055 46 - 0 550 74 - 0 033 102 0 061 130 0 074 20 - 0 056 47 - 0 550 75 0 000 3·0 103 0 131 131 0 106 21 - 0 059 48 - 0 576 76 0 001 104 0 168 132 0 115 22 - 0 068 49 - 0 622 77 - 0 040 105 0 161 133 0 090 23 - 0 104 51 - 0 689 79 - 0 130 107 0 086 135 0 038 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	17	- 0 013		П	44	- 0 547		72	- 0 141		100	- 0 048	4-0	Г	128	0 010	
19 - 0 055 46 - 0 550 74 - 0 033 102 0 061 130 0 074 20 - 0 056 47 - 0 550 75 0 000 3·0 103 0 131 131 0 106 21 - 0 059 48 - 0 576 76 0 001 104 0 168 132 0 115 22 - 0 068 49 - 0 622 77 - 0 040 105 0 161 133 0 090 23 - 0 104 51 - 0 689 79 - 0 130 106 0 131 134 0 048 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	18			П	45	- 0 562		73	- 0 088		101	- 0 011			129	0 025	
20 - 0 056 21 - 0 059 22 - 0 068 23 - 0 104 23 - 0 104 24 - 0 134 25 - 0 634 26 - 0 115 103 0 131 104 0 168 105 0 161 133 0 090 105 0 161 133 0 090 106 0 131 134 0 048 107 0 086 135 0 038 108 0 067 136 0 066				П	46	- 0 550		74	- 0 033		102	0 061	П	r	130	0 074	
21 - 0 059 48 - 0 576 76 0 001 104 0 168 132 0 115 21 - 0 059 49 - 0 622 77 - 0 040 105 0 161 133 0 090 22 - 0 068 50 - 0 669 2·0 78 - 0 098 106 0 131 134 0 048 23 - 0 104 51 - 0 689 79 - 0 130 107 0 086 135 0 038 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066				П	47	- 0 550		75	0 000	3.0	103	0 131	П	r	131	0 106	
22 - 0 068 50 - 0 669 2·0 78 - 0 098 105 0 161 133 0 090 23 - 0 104 51 - 0 689 79 - 0 130 106 0 131 134 0 048 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	20	- 0 056			48	- 0 576	П	76	0 001		104	0 168	М	r	132	0 115	
23 - 0 104 51 - 0 689 79 - 0 130 106 0 131 134 0 048 24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	21	- 0 059		П	49	- 0 622	П	77	- 0 040		105	0 161	М	t	133	0 090	
24 - 0 134 52 - 0 634 80 - 0 115 108 0 067 136 0 066	22	- 0 068			50	- 0 669	2-0	78	- 0 098		106	0 131	М	I	134	0 048	
32 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	23	- 0 104			51	- 0 689		79	- 0 130		107	0 086	Н	ļ	135	0 038	
	24	- 0 134			52	- 0 634		80	- 0 115		108	0 067	М	t	136	0 066	
25 - 0 147 1.0 53 - 0 542 81 - 0 068 109 0 088 137 0 116	25	- 0 147	1.0		53	- 0 542	П	81	- 0 068		109	0 088	М	r	137	0 116	

1	20	1000	-				100		1			1		
PS No	10 ⁻⁴ m	*	15i No	10 ⁻⁴ m		PS No	10° m		PS No	10 ⁻⁴ m		1% 3%	4 10 ⁻⁴ m	\$
138	0.180		174	0.321		210	0.270		246	0.053	88	282	-0.011	
139	0.229		175	0.399	7-0	211	0.285		247	0.020		283	- 0.052	
140	0.212	i	176	0.411	Ü	212	0.285		248	0.016		184	- 0.143	
T41	0.157		177	0.373		213	0.258		249	0.041	8	285	- 0 241	
142	0.097		178	0.281	- 3	214	6 223		250	0.090	100	286	- 0 330	
143	0.055		179	0.179		215	0 194		251	0.136		287	- 0.343	
144	0.073		180	9.309		216	0.165		252	0.151		288	- 6 298	
143	0.175		181	0.094	Ü	217	0.132		253	0.123		289	- 0 235	
146	0.287		182	9.136		218	9 106		254	0.070	×	290	- 0 203	
147	0.380		183	0.206		219	0.077		255	0.034		291	- 0 249	
148	0.406		184	0.271		220	6 065		256	- 0 001	×	292	- 0.356	
149	0.338		185	0.267		221	0.073		257	- 0 010		293	- 6 448	
150	0.238	6:0	186	0.203	l li	223	0.099		258	-0.033		294	- 0 486	
151	0.151		187	0.691		223	0.134		259	- 0 061	×	295	- 0 444	
152	0.080		188	0.009	- 3	224	0.111		260	- 0 086	8	296	- 0 343	
153	0.090		189	0 006		225	6 083	9:0	261	- 0 104		297	- 0 240	
154	0 146		190	0.074		226	0.026		262	-0.103		298	- 6 215	
155	0.196		191	0.186		227	- 0 028		263	- 0.093		199	- 0.277	
156	0.230		192	0.280		228	- 0.052		254	- 0.074	8	100	- 0.399	124
157	0.222		193	0.342		229	- 0.069		263	- 0 056	Ž.	301	- 0.527	
158	0.184		194	0.330		230	- 0 077		266	-0.039		302	- 0 585	
139	0.147		195	0.265		23.1	- 0.067		267	- 0 000		303	- 0.569	
160	0.115		196	0.184	ij	232	- 0 095		268	0.033		304	- 0.479	
161	0.114		197	0.118		233	- 0.128		269	0.067		105	- 0.363	
162	0.140		198	0.105	- 3	234	- 0 137		270	0.097		306	- 0 296	
163	0.198	8	199	0.128		235	- 0 144		271	0.085		307	- 0 299	
164	0.257		200	0.174	\$0.	236	- 0.131		272	0.034		308	- 0.374	
163	0.281		201	0.215		297	- 0 155		273	0.002		309	- 0 466	
166	0.276		202	0.229		238	- 0 208		274	- 0.050		330	- 0.528	
167	0.236		203	0 221		239	- 0 266		275	- 0 080	110	311	- 0.520	
168	0.201		204	0 199	- 8	240	- 0 28.5		276	- 0.096		312	- 0 432	
169	0.167		205	0.164		241	- 0.276		277	- 0 121	Ŋ.	313	- 6 320	
170	0.145		206	0.362	Ü	242	- 0 205		278	- 0 116		3.14	- 0 244	
171	0.135		207	0.174	i	243	- 0.110		279	-0.092		313	- 0.237	
172	0.165		208	0.210	- 3	244	- 0 020		280	- 0.060	8	336	- 0 310	
173	0.242		200	0.242		245	0.041		281	- 0.018		317	- 0.413	

PS No	А 10 ⁻⁴ m		9% No	A 10 ⁻⁴ m	1	PS. No	10 4 m		PS No	а 10 ⁻² пг		PS No.	a Hrd m	:
318	- 0 462		354	0.196		390	- 0 055		426	- 0.059	40	462	0.031	0, 1
319	- 0 456		355	0.171		391	~ 0 097	ķ 1	427	- 6 077		463	0.061	8 8
320	- 0351		356	0.053		392	- 0 056		428	- 0 107		464	0.098	
321	- 0 181		357	- 0 111	\vdash	393	0 043	\vdash	429	- 0 143		465	0 123	
322	- 0.045	\vdash	358	- 0 265	\vdash	394	0 162	M	430	- 0 141	-	466	0 103	
323	0.013		359	- 0.348		395	0.220		431	- 0 142	8	467	0.078	
324	- 0 037		360	- 0.336		396	0.205		432	- 0 106	0	468	0.046	9-7
325	- 9 160	13-0	361	- 0 258		397	0 129	X I	433	- 0.080		469	0.042	33
326	- 0 247		362	- 0 155		398	0 053		434	- 0 050	Ú.	470	0.044	Ì.
327	- 0 258		363	- 8 059		399	0.022	\Box	435	- 0.030		471	0.072	
328	- 6 187	\vdash	364	- 0 056		400	0.052	16-0	436	- 0.014		472	0 109	
329	- 0 069		365	- 0 123		401	0 114		437	- 0.017	8	473	0 133	
330	0.044		366	- 0 187		402	0 175	×	438	- 0 031	5	474	0 138	9-1
331	0.078		367	- 0.218		403	0 191		439	- 0 037		475	0 125	19-0
332	0.061		368	- 0 136		404	0 172		440	0 068		476	0.095	
333	- 0.012		369	8 012		405	0 138	П	443	- 0 113	Ĭ.	477	0 105	
334	- 6 102		370	0.149		406	0.092		442	- 0 167		478	0 129	
335	- 0 127		371	0.212		407	0.052		443	- 0.203	8	479	0 181	
336	- 0 103		372	0 153		408	0.051	× -	444	- 0 191	7	480	0.206	9-1
337	- 0.045		373	0 021		409	0 025	8	445	- 0 135	4	481	9 200	
338	0 039		374	- 0 104		410	0 001		446	0 047		482	0 168	.,
339	0.094		375	- 0 160	15-0	411	- 0 026		447	0.028		483	0.140	
340	0 107		376	- 0 142		412	- 0 065		448	0.032	ĵ.	484	0 149	
341	0.058		377	- 0 027		413	- 0.073		449	- 0.031	1	485	0.186	
342	- 0 011		378	0.099		414	- 0 038	× -	450	- 0 108	18-0	486	0.237	9-1
343	- 0.078		379	0.186		415	- 0 001		451	- 0 157	3	487	0.242	8 3
344	- 0 093		380	0.174		416	0.029		452	0 155	3	488	0 207	33
345	- 0 068		381	0.085		417	0 030	×	453	- 0 081		489	0 130	
346	- 0 025		382	-0031		418	- 0 005		454	- 0.012		490	0.055	
347	0.021		383	- 0 086		419	- 0.045		455	0.053	Ů.	491	0.015	
348	0 008		384	- 0 069		420	- 0 068	×	456	0.085		492	0.014	9-1
349	- 0.016		385	0 012		421	~ 0 093	8	457	0.054	9	493	9 036	83
350	- 0 038	14-0	386	0 103		422	- 0 075	8	458	0 002	3	494	0.854	9-3
351	- 0 024		387	0 164		423	- 0 067	×	459	- 0.026		495	0.056	
352	0.041		388	0-129		424	- 0 051		460	- 0.034	ĵ.	496	0.022	
353	0 135		389	0.047		425	- 0.049	17:0	461	- 0 014		497	- 0.032	

PS No	10°4 m		9% No	10 ⁻⁴ m	4	128. No	10 ⁴ m	13	PS No	30°4 m		Jrs No	10 ⁻² m.	*
498	- 0.076		534	- 0 029		570	0.238		606	0.040		642	- 0.161	
499	- 0 108		535	- 0 042		571	0.285	8	607	- 0.004	Ť	643	- 0.154	
500	- 0 099	200	536	- 0 066		572	0.295	ÿ.	608	- 0 040	Ď.	644	- 0 140	第 第
501	- 0 029		537	- 0 120		573	0.261		609	- 0 057		645	- 0115	8 8
502	0.051		538	- 0 188		574	0.201		610	- 0 649	i i	646	- 0.055	\Box
503	0 138		539	- 0 341		575	0 145	23:0	611	- 0 021	î	647	0.001	
504	0 199		540	- 0.252		576	0.142		612	0.011		648	0.049	
505	0.213		541	- 0 243		577	0.163	8	683	0.033		649	0.085	
506	0 184		542	- 0 212		578	0.222	8	614	0.038	3	650	0.094	26:0
507	0 139		543	- 0 183		579	0.284		615	6 027		651	0.071	
508	0.062		544	- 0 170		580	0.334		616	0 019		652	0.039	
509	0.027		545	- 0-189		581	0.342	Î	617	0.024	î	653	- 0.001	
510	0.030		546	- 0.233		582	0.301		618	0.040		654	- 0.027	
511	0.067		547	- 0 286		583	0.240		619	0.069		655	- 0 025	
512	0 146		548	- 0.311		584	0.205		620	0.082	3	656	0.000	
513	0.247		549	- 0 280		585	0.236	Ÿ.	621	0.086		657	0.028	8 3
514	0.314		5.50	- 0.215	22:0	586	0.257		622	0.068		638	0.045	m
515	0.330		551	- 0.128		587	0.326		623	0.056	1	659	0.019	
516	0 289		552	- 0 038		588	0.363		624	0.036	Î	660	- 0.032	
517	0.224		553	- 0 018		589	0.380		625	0.006	25-0	661	- 0 101	
518	0 179		554	- 0 024		390	0.358		626	- 0.015		662	- 0 162	7 7
519	0.184		555	- 0 052		591	0.303	8	627	- 0 049		663	- 0 198	8 3
520	0.216		556	- 0 055		592	0.273		628	- 0.071		664	- 0 193	
521	0 229		557	+ 0 033		593	0.341		629	- 0 075		665	- 0 149	
522	0.210		558	0.013		594	0.249		630	- 0.078		666	- 0.096	
523	0 130		559	0.061		595	0.252		631	- 0 074		667	- 0 075	
524	0.062		560	0.079		596	0.245		632	-0.069	n e	668	-0.086	
525	0.006	21.0	561	0.060		597	0.244	ÿ i	633	- 0 094		669	- 0 151	8 3
526	- 6 004		562	0.024		598	0.225		634	- 0116		670	- 0 246	
527	0.004		563	+ 6 013		599	0.212		635	+ 0 150		671	- 0.329	
528	0.018		564	- 0 027		600	0.180	24:0	636	- 0 E78		672	- 0.382	
529	0.031		565	- 0 018		601	0.160		637	- 0 188		6.73	- 0.392	ĦĦ
536	0 020		566	0.011		602	0.130		638	- 0 198	9	674	- 0 340	
531	0.014		567	0.064		603	0.118	8	639	- 0 194		675	- 0 286	27:0
532	- 0 011		568	0.111		604	0 104		640	- 0 187		676	- 0 249	
533	- 0.022		569	0.371		605	0.081		641	+ 0 170		677	- 0.245	

PS No	a 10 ⁻⁴ m	t	PS No	a 10 ⁻⁴ m	t s		PS No	a 10 ⁻⁴ m	t	PS No	a 10 ⁻⁴ m	t s	PS No	a 10 ⁻⁴ m	t
678	- 0 298		683	- 0 175		1	688	- 0 142		693	- 0 101		698	0 061	
679	- 0 348		684	- 0 135		1	689	- 0 097		694	- 0 110		699	0 064	
680	- 0 366		685	- 0 149		1	690	- 0 067		695	- 0 091		700	0 036	28.0
681	- 0 330		686	- 0 165		1	691	- 0 051		696	- 0 043				
682	- 0 247		687	- 0 178		1	692	- 0 071		697	0 020				

Appendix 4a

Set-value signals for the test-stand inspection of the driver's seat on Category A (Class II) tractors (point 4.5.3.1.1)

PS = set point

a = amplitude of the required value signal in 10–4 m

t = measurement time in seconds

When the sequence of signals is repeated in the table for 701 points, points 700 and 0 coincide in time at an amplitude of a = 0:

PS	2	t	l [PS	a	t	PS	2	t	1	PS	2	t	P	.	a	t
No	10 ⁻⁴ m	5		No	10 ⁻⁴ m	5	No	10 ⁻⁴ m	5		No	10 ⁻⁴ m	5	N		10 ⁻⁴ m	5
0	0 000	0		26	0 050		52	- 0 180			78	- 0 124		10	4	- 0 045	
1	0 156	0-04		27	0 055		53	- 0 081			79	- 0 143		10	15	- 0 126	
2	0 147	0.08		28	0 078		54	- 0 000			80	- 0 129		10	6	- 0 191	
3	0 144			29	0 120		55	- 0 011			81	- 0 091		10	17	- 0 223	
4	0 162			30	0 184		56	- 0 070			82	- 0 045		10	8	- 0 206	
5	0 210			31	0 209		57	- 0 168			83	- 0 004		10	9	- 0 168	
6	0 272			32	0 224		58	- 0 256			84	- 0 004		11	0	- 0 122	
7	0 336			33	0 206		59	- 0 307			85	- 0 016		11	1	- 0 095	
8	0 382			34	0 157		60	- 0 302			86	- 0 047		11	2	- 0 101	
9	0 404			35	0 101		61	- 0 249			87	- 0 080		11	3	- 0 114	
10	0 408			36	0 049		62	- 0 157			88	- 0 083		11	4	- 0 161	
11	0 376			37	- 0 002		63	- 0 056			89	- 0 080		11	5	- 0 212	
12	0 324			38	- 0 038		64	0 013			90	- 0 060		11	6	- 0 254	
13	0 275			39	- 0 068		65	0 044			91	- 0 029		11	7	- 0 273	
14	0 226			40	- 0 088		66	0 025			92	- 0 013		11	8	- 0 258	
15	0 176			41	- 0 100		67	- 0 026			93	- 0 004		11	9	- 0 211	
16	0 141			42	- 0 110		68	- 0 077			94	- 0 039		12	0	- 0 169	
17	0 126			43	- 0 151		69	- 0 115			95	- 0 100		12	1	- 0 125	
18	0 144			44	- 0 183		70	- 0 131			96	- 0 171		12	2	- 0 115	
19	0 180			45	- 0 234		71	- 0 102			97	- 0 218		12	3	- 0 127	
20	0 205			46	- 0 303		72	- 0 031			98	- 0 226		12	4	- 0 156	
21	0 198			47	- 0 364		73	0 035			99	- 0 190		12	5	- 0 185	5-0
22	0 184			48	- 0 410		74	0 078			100	- 0 116	4-0	12	6	- 0 232	
23	0 138			49	- 0 407		75	0 057	3.0		101	- 0 054		12	7	- 0 256	
24	0 102			50	- 0 367	2-0	76	0 000			102	- 0 001		12	8	- 0 260	
25	0 068	1.0		51	- 0 289		77	- 0 069			103	- 0 001		12	9	- 0 260	

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15 16:	10-4 m	1	PS No.	10 ° m		98 19a	10° n	1	1% No.	10 ° m		PS No	10 ⁻⁶ M	1
130	- 0.243		164	0 122		198	0.033		282	- 0.021		266	0.125	
133	- 0 228		165	0.104		199	0.133		233	- 0 078		267	0.188	
132	- 0.204		166	0.046		200	0.247	80	254	- 0.142	Ħ	268	0.216	i
133	- 0 192		367	-0.018		201	0.335		235	- 0 197	Ħ	269	0.189	i i
134	- 0 179		168	- 0 647		202	0.348	8	236	- 0 225		220	0 119	
135	- 0 144		169	- 0.096		201	0.364	8	237	- 0 217		271	0.031	
136	- 0.128		120	0.016		204	0.239		238	- 0 196		272	- 0.026	
137	- 0.117		171	0.145		205	0.161	9	239	- 0 333	1	273	-0.059	
138	- 0 131		172	0 257	F	206	0.124	7	340	- 0 038		234	-0.052	
139	- 0 154		173	0.330	6-9	207	0.139	8	341	0.052		275	- 0 009	110
140	- 0 164		174	0.330	8 3	208	0.218	8	242	0.128		276	0.019	
141	- 0 160		175	0.258	7-0	209	0.328	8	243	0.168		277	0.081	
142	- 0 128		176	0.138		210	0.405	ĵ.	244	0.364		278	0.107	
143	- 0 059		177	0.034		211	0.426		245	0 169		279	0.079	
144	0.015		178	-0.037		212	0.403	Ž.	246	0 170		280	0.023	
145	0.074		179	- 0 030		213	0.514		247	0.188		281	- 0.044	
146	0.034		180	0.006		214	0.193		248	0:210		262	- 0 121	
147	0.042		181	0 141		215	0.088		249	0.220		283	0 168	
148	- 0.034		182	0.216		216	0.025		250	0.210	10-0	284	~ 0.132	
149	- 0.101		183	0.343		217	0.033		251	0.185		285	- 0.147	
150	- 0 147	60	184	0.388		219	0.087		252	0 149		286	- 0.119	
151	- 0.141		185	0.079		219	0.173		253	0.100		287	- 0 114	
152	- 0 091		186	- 0 015		220	0.240		254	0.057		288	- 0.155	
153	- 0 001		187	~ 0.047		221	0.274		255	0.035		289	+0217	ĺ
154	0.017		188	- 0 008		222	0.250	×	256	0.006		290	+ 0.287	
155	0.027		189	0.091		223	0.182		257	- 0 000		291	-0.243	
156	- 0.012		190	0.230	ra e	224	0.077	V.	258	0.010		292	-0.341	
157	- 0.058		191	0.340		225	- 0.019	9-5	259	0.034		293	-0.289	
158	- 0 127		192	0.381		226	- 0.075		250	0.047		294	-0217	
159	- 0 151		195	0.332	8 3	227	- 0.061	ž.	251	0 047		295	- 0 157	
160	- 0 125		134	0.225		228	- 0.033	X I	262	0.031		256	- 0 130	
161	- 0 049		195	0.099		229	0.011		263	0.028		297	- 0 193	
162	0.045		196	0.014		230	0.042	X	264	0.036		298	- 0.248	
163	0.104		197	-0012		231	0.025		265	0.072		299	-0319	

- 5	В			H - 3	- 6		9	11 - 3 1			6 - 6		<u> </u>	_
PS. No	10 ⁻⁴ m	5	JS No	10°4 m	1.	7% 16a	10 ° m	1	151 54a	10°4 m	1,8	255 760	1011 m	
300	- 0.371	12:0	334	~ 0.347.		368	0.075		402	0.126		436	0.036	
301	-0.378		135	- 0 354		369	0.092	i ii	403	0.139	FC	437	- 0.040	
302	- 0 354		136	- 0 142		370	0.074		404	0.119		438	- 0.098	
301	- 0.309		337	- 0 067		371	0.011		405	0.088		439	- 0 142	
304	- 0.264		138	- 0 001		372	- 0.049	7	40h	0.023		440	- 0 147	
305	- 0.241		339	6 057		373	- 0.082	7	407	- 0.043	3	441	- 0 112	
306	-0.296		340	0.080		874	- 0.00%		409	- 0 099		442	- 0 028	
307	- 0.264	ŝ	341	0.040		375	- 0.039	15-0	409	- 0 121		443	0.038	
308	- 0.262	Š.	342	- 0 040		376	0.010		410	- 0.090		444	0.118	
309	- 0.282		343	- 0 096		377	0.053		411	- 0.009	0	445	0.124	
310	- 6 275		344	- 0 148		378	0.078		412	0 072		446	0.080	
311	- 0.278		345	- 0 364		379	0.068		413	0 120		447	0.006	
312	- 0 285		346	- 0 134		330	0.033		414	0111		448	- 0 052	
313	- 6 302		347	- 0 060		381	0.004		413	6 649		449	- 0.068	
314	- 0318		348	0.038		382	- 0 000		416	- 6 021		450	- 0.050	180
315	- 0.316		349	0.136		383	-0.011		417	- 0.098		451	- 0.000	
316	- 0.293		330	0.195	140	384	- 0.001		418	- 0 136		452	0.063	
317	- 0.238		351	0.170		385	0.000		419	- 0.117		453	0.129	
318	- 0 154		332	0.077		386	- 0.001		420	- 0 072		454	0.155	
319	- 0.070	ř	353	- 0 067.		387	- 0.010		421	- 0.000		458	0.156	
320	- 0.021		154	- 0 212		388	- 0.021	7	422	0.033		456	0.111	
321	- 0 029		155	- 0.321		389	- 0.019	7-11	423	0.061		457	0.069	
322	- 0.075		356	- 9 356		390	0.014	777	424	0.00%		458	0.049	
323	- 0.138		157	- 0 339		393	0.060		425	- 0016	17-0	459	0.036	
324	- 0 189		158	- 0 277		392	0.093	7 7	426	- 0 090		460	0.056	
925	- 0 193	13-0	3159	- 0 389		393	0.117	7	427	- 0 151		461	0.100	
336	- 0 153		360	- 0 119		394	0.137	4 4	428	- 0 (7)	a)	462	0.143	
327	- 0 095		361	- 0 100		393	0 123	8 3	429	- 0.150		463	0.178	
328	- 0.012		362	- 0 124		396	0.098		430	- 0.080		464	0.193	
329	0 033		363	- 0 170	14-0	397	0.073		481	- 0.001		463	0.178	
330	0.069		364	- 0 193		398	0.055		432	0.064		466	0136	
331	0.064		365	- 0 173		399	0.062		433	0 113		467	0.087	
332	0.000		366	- 0 105		400	0.087	16-0	434	0.109		468	0.050	
333	- 0.074		367	- 0 000		400	0.111		433	0.089		469	0.041	

- 10	П	з.	
- 23		9	

PS No.	8 10 ⁻⁴ (#	7	75 No	10°4 in	E.	Ins No	8 10 ¹⁴ m		PS No	а 10-4 m	18	175 16o	6 10 ⁻⁴ m	
470	0.067		504	0 147		538	- 0.391	7	572	- 0 004		606	- 0.070	
421	0.117		505	0.660		339	- 0.365		573	- 0 075		607	- 0.061	
472	0.165		50%	- 0 027		540	- 0.546	7	574	- 0 099	8	608	- 0 057	
473	0.188		507	- 0 103		541	- 0.342	8 1	375	- 0.054	23 0	609	- 0 044	
474	0.178		508	- 0 096		542	- 0 372		576	0.024		610	- 0 040	
475	0.171	19-0	509	- 0 006		543	- 0 398		577	0 126		611	- 0 037	
476	0.154		510	0.062		544	- 0 431		578	0.263		612	- 0.028	
477	0.141		511	0.198		545	- 0 464		579	0.223		633	- 0 017	
478	0.137		512	0 275		546	- 0 459		380	0.200		634	- 0 006	
479	0.146		513	0 293		547	- 0 425		581	0.118		615	0.011	
480	0.177		514	0.244		548	- 0 354		582	0.026		636	0.032	
481	0.231		515	0.549		549	- 0 259		583	- 0.008		617	0.045	
481	0.282		516	0.056		550	- 0 187	22-0	584	- 0.003		618	0.050	
483	0.314		517	0.005		551	- 0.174		585	0.057		639	0.039	
484	0.283		518	- 0 001		5.52	- 0 382		586	0.349		620	0.036	
485	0.222		519	0.021		553	- 0.211	ĦĦ	587	0.236		621	0.027	
486	0.138		520	0.035		554	- 0.341		588	0.290		622	0.025	
487	0.050		521	0.063		555	- 0 228		589	0.299		623	0.006	
488	- 0.003		522	0.034		556	- 0 192		590	0.244	*	624	0.000	
499	0.001		523	- 0 009		5.57	- 0 BI	7	591	0.192		625	- 0.012	25-0
490	0.043		524	- 0 074		338	- 0 066		592	0.145		626	- 0.040	
401	0.095		525	- 0.354	21.0	539	- 0.050	4	593	0.095		627	- 0.047	
492	0.124		526	- 0 203		560	- 0.065		394	0.090		628	- 0 038	
493	0.112		527	- 0 204		561	- 0 117	8 1	395	0.111		629	- 0 020	
494	0.060		528	- 0 367		562	- 0 164		396	0.151	L.	630	- 0 076	
495	- 0 022		529	- 0 119		563	-0.191	J	597	0 186	33	631	- 0.098	
406	- 0 112		530	- 0 677		564	- 0 165		598	0 185		632	- 0 100	
497	- 0.163		531.	- 0 068		565	- 0.109		599	0 165		633	- 0 127	
408	- 0 133		532	- 0 094		566	- 0 025		600	0 120	24-0	634	- 0 158	
499	- 0 087		533	- 0 168		567	0.081		601	0.057		635	- 0 158	
500	6 030	20:0	534	- 0 254		568	0 163		602	0.008		636	- 0.163	
561	0 127		53.5	- 0 337		569	0.191		603	- 0.022		637	- 0.182	
302	0 197		536	- 0 383		570	0.164		604	- 0 044		638	- 0 137	
501	0.205		537	- 0 400		371	0.089	1 1	605	- 0.062		639	- 0 184	

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PS No	a 10 ⁻⁴ m	t s	PS No		a 10 ⁻⁴ m	t s		os No	a 10 ⁻⁴ m	t		PS No	a 10 ⁻⁴ m	t s		PS No	a 10 ⁻⁴ m	t s
640	- 0 201		65	3 -	0 135		6	66	- 0 092			679	- 0 294			692	- 0 256	
641	- 0 199		65	4 -	0 110		6	67	- 0 089			680	- 0 343			693	- 0 234	
642	- 0 187		65	5 -	0 039		6	68	- 0 138			681	- 0 375			694	- 0 156	
643	- 0 145		65	6	0 008		6	69	- 0 248			682	- 0 379			695	- 0 078	
644	- 0 092		65	7	0 019		6	70	- 0 360			683	- 0 349			696	0 015	
645	- 0 040		65	8 -	0 033		6	71	- 0 455			684	- 0 276			697	0 083	
646	0 017		65	9 –	0 102		6	72	- 0 497			685	- 0 202		ſ	698	0 118	
647	0 044		66	0 -	0 194		6	73	- 0 473			686	- 0 136		ſ	699	0 080	
648	0 061		66	1 -	0 264		6	74	- 0 393			687	- 0 099			700	0 000	31.0
649	0 029		66	2 -	0 292		6	75	- 0 294	27.0		688	- 0 101					
650	- 0 018	26.0	66	3 -	0 261		6	76	- 0 230			689	- 0 139					
651	- 0 078		66	4 -	0 210		6	77	- 0 214			690	- 0 196					
652	- 0 129		66	5 -	0 147		6	78	- 0 241			691	- 0 246					

Appendix 4b

Set-value signals for the test-stand testing of drivers' seats for category A tractors in class III

(point 4.5.3.1.1)

PS = set point

a = amplitude of the set value signal in mm

t = measurement time in seconds

If the signal sequence is repeated for 701 points in the table, point 700 and 0 merge in time, with amplitude a = 0.

PS No	a mm	t s	PS No	2 2220	t s	PS No	3 2000	1	PS No	a mm	1	PS No	a mm	t s
1	0	0,000	27	-4	0,712	55	-4	1,478	83	19	2,244	111	10	3,011
2	- 3	0,027	28	- 4	0,739	56	- 8	1,505	84	15	2,272	112	16	3,038
3	-0	0,055	29	- 4	0,766	57	- 11	1,533	85	8	2,299	113	20	3,055
4	2	0,082	30	- 2	0,794	58	- 13	1,560	86	0	2,326	114	20	3,093
5	4	0.109	31	- 0	0,821	59	- 12	1,587	87	- 7	2,354	115	17	3,120
6	6	0.137	32	2	0,848	60	- 9	1,613	88	- 15	2,361	116	12	3,148
		0.00000	33	4	0,876	61	-4	1,642	89	- 19	2,409	117	5	3,175
7	6	0,164	34	6	0,903	62	6	1,670	90	- 21	2,436	118	- 3	3,202
8	5	0,192	35	6	0,931	63	6	1,697	91	- 20	2,463	119	- 10	3,230
9	3	0,219	36	6	0,958	64	11	1,724	92	- 15	2,491	120	- 17	3,257
10	1	0,246	37	4	0,985	65	15	1,752	93	- 8	2,518	121	- 20	3,284
11	- 0	0,274	38	1	1,013	66	16	1,779	94	- 0	2,545	122	- 21	3,312
12	- 2	0,301	39	-1	1,040	67	14	1,806	95	7	2,573	123	- 18	3,339
13	- 4	0,328	40	- 4	1,067	68	11	1,834	96	14	2,600	124	- 13	3,367
14	-4	0,356	41	- 6	1,093	69	5	1,861	97	19	2,628	125	- 6	3,396
15	- 4	0,383	42	- 8	1,122	70	-1	1,869	98	21	2,655	126	2	3,421
16	- 2	0,411	43	- 8	1,150	71	- 8	1,916	99	19	2,662	127	10	3,449
17	-1	0.439	44	-7	1,177	72	- 14	1,943	100	14	2,710	128	16	3,476
18	0	0.465	45	-4	1,204	73	- 18	1,971	101	7	2,737	129	21	3,503
19	2	0.493	46	- 1	1,232	74	- 19	1,998	102	- 0	2,764	130	22	3,531
20	3	0,520	47	2	1,259	75	- 17	2,025	103	- 8	2,792	131	20	3,558
575	- 50	ETERONIS .	48	6	1,286	76	- 13	2,053	104	- 15	2,819	132	15	3,586
21	4	0,547	49	8	1,314	77	- 6	2,080	105	- 19	2,847	133	8	3,613
22	3	0,575	50	10	1,341	78	0	2,108	106	- 20	2,874	134	0	3,640
23	1	0,602	51	10	1,369	79	8	2,135	107	- 18	2,901	135	- 8	3,668
24	0	0,630	52	8	1,396	80	15	2,162	108	- 13	2,929	136	- 15	3,695
25	-1	0,657	53	4	1,423	81	19	2,190	109	- 5	2,956	137	- 20	3,722
26	- 3	0,684	54	0	1,451	82	21	2,217	110	2	2,983	138	- 23	3,750

25 16e	2000	1. 3.	PS No	*		PS. No	nin	Ţ.	1% 24a	9000		75 16a	a. Marin	
139	- 22	3,777	175	-1	4,762	211	0	5,748	247	16	6,733	283	26	7,718
140	- 18	3,804	176	+	4,790	212	5	5,775	248	21	6,761	284	21.	7,746
141	~ 11	1,832	177		4,817	213	6	5,801	249	22	6,783	285	13.	7,773
141	-3	1,859	178	12	4,845	214	13:	5.830	250	21	6,815	286	4	7,801
143	- 5	1,887	179	13	4,872	215	(5)	5,857	251	16	6,843	287	-5	7,828
344	13	3,914	180	13	4,899	216	15	5,885	252	. 9	6,870	288	-10	7,855
145	.19	3,541	181	11	4,927	217	10	5,912	253	-0	6,897	289	-20	7,883
146	23	3,969	182	7	4,954	218	9	3,939	254		6,925	290	- 24	7,910
147	23	3,996	183	3.	4,981	219	- 4	5,967	255	- 16	6,952	251	- 25	7,587
148	20	4,028	184	J-13	5,009	220	-1	5,994	256	~ 22	6,979	292	- 22	7,965
149	34	4,061	183	= 5	5,036	223	= 7	6,022	257	- 25	7,007	298	-37	7,592
150	- 6	4,078	186	-9	5,064	222	-11	6,049	258	- 24	7,034	294	- 9	8,020
151	-2	4,106	187	-11	5,091	223	- 15	6.076	259	- 20	7,062	295	-1	8,047
152	- 11	4,133	188	- 12	5,118	224	- 16	6,104	250	- 13	7,089	296	- ž	8,074
153	-17	4,160	189	- 12	5,146	225	- 16	6,131	261	724	7,116	297	114	8,302
154	- 21	4,188	190	- 10	5,173	226	- 12	6,158	262	- 5	7,144	298	20	8,129
155	- 22	4,215	191	-6	5,200	227	-7	6,186	263	34	7,171	299	22	8,156
156	- 20	4,242	192	- 2	5,228	228	31	6,213	264	24	7,158	300	22	8,184
157	- 14	4,270	193	1	5,255	229	4	6,240	265	25	7,226	301.	19	8,211
159	-7	4,297	194	5	5,283	230	10	6,268	266	26	7,259	302	13	8,239
159	0	4,325	195	9	5,310	231	36	6,295	267	23	7,281	303	- 6	8,366
160	8	4,352	196	. 11	5,337	232	17	6,323	268	17	7,308	304	121	8,293
161	34	4,379	197	. 13	5,365	233	17:	6,350	269	1.8	7,335	385	- 9	8,321
162	38	4,407	198	12	5,352	234	14	6,377	270	-1	7,363	306	- 15	8,348
163	19	4,434	199	11	5,419	23.5	9	6,405	271	$\simeq 11$	7,390	307	- 19	8,375
164	17	4,461	200	7	5,447	236	- 3	6,432	272	- 20	7,417	308	-20	8,403
165	13	4,489	201	3.	5,434	237	- 1	6,459	273	- 26	7,445	300	- 19.	8,450
166	7	4,516	102	-0	5,501	238	- 10	6,487	274	- 27	7,473	330	+14	8,457
167	0	4,543	203	- 5	5,529	239	- 15	6,514	275	- 25	7,500	311	- 8	8,48.5
168	- 6	4,571	204	-9	5,556	240	- 19:	6,542	276	- 19	7,327	312	-0	8,512
169	- 11	4,598	205	+ 12	5,584	241	- 19	6,569	277	- 11	7,554	313	6	8,540
170	- 14	4,626	206	- 14	5,611	242	-17	6,596	278	<u>-1</u>	7,582	314	12	8,567
171	- 16	4,653	207	- 14	5,638	243	- 12	6,624	279		7,609	315	16	8,594
172	- 14	4,680	208	- 12	5,666	244	-6	6,651	280	19	7,636	316	18	8,622
173	~ 11	4,708	209	-9	5,693	245	_ 1.	6,678	281	24	7,664	317	15	8,649
124	-6	4,785	210	124	3,720	246	9	6,706	282	-27	7,691	318	12	8,676

25 No	200	1:	PS No	Temps	1	PS. No			1% No	100	1	75 166	in a contract of the contract	1
319	6	8,704	155	- 18	9,689	395	- 5	10,674	427	18	11,660	463	43	12,645
320	- 0	8,731	356	- 16	9,717	392	- 0	10,702	428	_7	11,687	464	12	12,673
321	-7	8,759	357	- 12	9,744	393	1	10,729	429	35	11,715	465	10	12,700
322	- 12	8,786	358	-2	9,771	394	(1)	10,757	430	(4)	11,742	466	¥.	12,727
323	- 15	8,813	359	1=11	9,799	395	9	10,784	431	-0	11,769	467	1	12,755
324	- 16	8,841	160	î ¥	9,826	396	9	10,811	432	-2	11,797	468	-1	12,782
325	- 13	8,868	361	9.7	9,853	197	- 8	10,839	433	+4	11,824	46.9	-6	12,809
326	- 8	8,895	362	13	9,881	398	- 5	10,866	434	-6	11,851	470	- 9.	12,837
327	71	8,923	363	16	9,968	399	- 1	10,893	435	-3	11,879	471	- 10	12,864
328	-3	8,950	364	15	9,935	400	-2	10,921	436	-6	11,906	472	- 10	12,391
329	31	8,978	363	14	9,963	400	- 6	10,949	437	-6	11,934	473	- 8	12,915
330	15	9,005	366	10	9,990	402	-7	10,975	438	34	11,961	474	- 5	12,946
331	77	9,032	367	5	10,018	403	- 8	11,003	439	+3	11,988	425	-2	12,974
332	15	9,060	368	-0	10,045	404	-7.	11,030	440	-1).	12,016	476	1.	13,001
333	11.	9,087	369	-5	10,072	405	- 5	11,058	441	0	12,043	477	1	11,028
334	5	9,114	370	-10	10,100	406	-2	11,085	442	- 4	12,070	478	- 6	13,056
335	- 2	9,142	371	-13	10,127	407	0.	11,112	448	73	12,098	479	- 6	13,083
336	- 9	9,169	372	+ 15	10,154	408		11,140	+++	- 6	12,125	480	5.	13,110
337	- 15	9,196	372	± 34	10,182	409	- 6	11,167	445	7	12,132	481		13,138
338	- 18	9,234	374	+ 12	10,200	410	7	11,195	446	- 7	12,180	482	2	13,165
339	- 19	9,261	375	-7	10,237	401	- 3	11,222	447	-3	12,207	493	0	11,193
340	- 16	9,279	176	-2	10,264	412	- 6	11,249	448	- 6	12,235	494	-0	13,220
341	± 31	9,306	377	#	10,291	413	.4	11,277	449	- 34	12,282	485	-1	13,247
342	-3	9,333	378	*	10,339	434	18	11,304	450	- 31	12,289	486	1=4	13,275
341	- 1	9,361	379	11	10,346	415	-1	11,331	451	5-1	12,317	487	-1	13,302
344	-30	9,388	380	13	10,373	416	-4	11,359	452	-5	12,344	488	"EF	13,329
345	36	9,415	381	13	10,401	417	-7	11,386	453	- B	12,571	489		13,357
346	39	9,443	182	. 11	10,428	418	- 8	31,413	454	- 10	12,399	490	-6	13,384
347	19	9,470	383	1 7	10,456	419	- B	11,441	455	~ 10	12,426	491	0	13,412
348	-16	9,498	384	1 #3	10,483	4:20	- 6	11,468	456	≈ 31	12,454	492	ij	13,439
349	111	9,525	385	+#	10,510	423	-+	11,496	457	-7	12,481	493	1	13,466
350	-4	9,552	186	-7	10,538	422	~ 1	11,521	458	~ 5	12,500	494	T.	13,494
351	-2	9,580	387	- 10	10,563	423		11,550	459	n=1),	12,536	495	-0	13,521
352	- 9	9,607	188	± 41	10,592	424	4	11,578	460	13.	12,563	496	0	13,548
353	- 14	9,634	389	- 11	16,620	425	2	11,605	461		12,590	497	-0	13,576
354	- 17	9,662	390	- 8	10,647	426	8	11,632	462	31	12,638	498	-1	13,603

-	100
•	в
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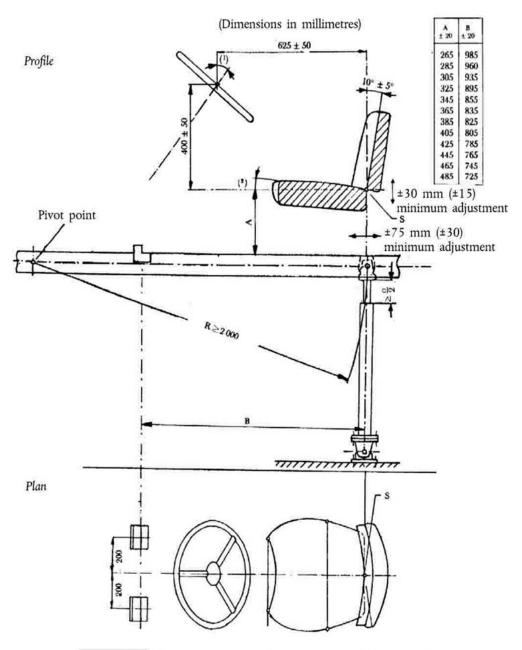
PS.		100	7%		1	191			156	ES.	1	79		+
No.	min.	11411	No	man	17	No	(min	, Š	Na	mac	1	No	mit	37
499	7-1	13,630	535	23	14,616	571	8	15,601	607	$\sim 12^\circ$	16,587	643	- 5	17,572
500	-1	13,659	536	0.3	14,643	572	1 6	15,629	608	- 15	16,614	644	-6	17,590
501	z = 3	11,685	537	7	14,571	573	-6	15,656	609	$\sim 46^\circ$	16,641	645	-6	17,627
502	-4	13,718	539	- 1	14,638	574	- 12	15,683	610	- 16	16,669	646	- 6	17,654
503	-4	13,740	539	- 0	14,725	575	- 17	15,711	611	13	36,696	647	-4	17,681
504	- 0	13,767	540	-1	34,753	576	- 19	15,738	612		16,728	648	-3	17,709
505	- 0.	13,795	541	+.5	14,780	577	-19	15,766	613	- 3	16,741	649	-41	17,736
506	0	13,822	542	-3	14,807	578	- 15	15,793	614	320	16,776	650	- 0	17,763
507	(1)	13,849	543	35F)	14,835	579	- 10	15,820	615	*	16,803	651	7.0	17,791
508.	7	13,877	544	.+X	14,862	580	- 8	15,848	616	12	16,833	652		17,818
509	2.3	13,504	\$45	± 1	14,890	581	8 4	15,875	617	15	16,860	653	- 0	17,845
510	1	13,932	546	2.5	14,917	582	11.	15,902	618	16	16,888	654	0.	17,875
511	2	13,959	547	121	14,944	583	16	15,990	619	15	16,915	655	0	17,900
512	2	13,986	548	(1)	14,972	584	18	15,957	620	(2)	15,942	656	- 0	17,928
513	(3)	14,014	549	- 6	14,999	585	18	15,984	621	*	16,990	657	+ 0	17,955
514	¥	14,641	550	. 9	15,026	586	15	16,012	622	2	36,997	658	$\rightarrow 0$	17,980
515	0	14,068	551	12	15,054	587	10	16,039	623	- 2	17,024	659	0	18,010
516	-0	14,096	352	15	15,081	588	(N	16,066	624	-8	17,052	660	10	18,030
517	9-1	14,128	553	31	15,109	589	-1	16,094	625	- 12	17,039	661	10	18,065
SIR	371	14,151	554	9	15,136	590	- 30	16,121	636	-34	17,107	661	34	18,090
519	- 2	14,178	555	34	15,163	591	- 15	16,149	627	- 15	17,134	663	- 5	18,119
\$20	+3	14,205	556	+ 0	15,191	592	-17	16,176	638	-34	17,161	664	- 5	18,145
521	-2	14,233	557	- 6	15,218	593	- 17	16,203	629	-,412	17,199	665	5	18,174
522	-1	14,260	558	-11	15,245	394	- 15	15,231	630	-7	17,216	666	1	18,201
523	=1	14,287	559	- 45	15,273	595	- 10	16,258	631	~ 2	17,243	667	12	18,225
524	(44)	14,316	560	-16	15,300	596	- 3.	16,285	632	(11)	17,271	668	$\rightarrow 0$	18,256
525	-1	14,342	361	- 15	15,327	599	12	16,313	633	(6)	17,298	660	+3	18,283
526	- 0	14,370	562	- 12	15,356	598	9.	16,340	634	(9)	17,326	670	6	18,311
527	- 0	14,397	563	-6	15,582	599	14	16,368	635	100	17,353	67)	- 9	18,330
528	0	14,424	354	- 0	15,430	600	16	16,395	636	12	17,380	672	- 10	18,366
529	0	14,452	565	6	15,437	601	175	16,422	637	. 115	17,408	673	- 10	18,191
530	1	14,479	366	12	15,464	602	14	16,450	638		17,435	674	- 9	18,420
537	(2)	14,506	567	335	15,492	603	10	16,477	639	(6)	17,462	675	- 6	TR/448
532	2.	14,534	568	19	15,519	604	5	16,504	640	(2)	17,490	675	-3	18,475
533	1	14,561	569	18	15,546	605	-1	16,532	643	- 0	17,517	677	7	18,500
534	4.1	14,598	570	14	15,574	606	- 7	16,559	642	-1	17,544	678	6	18,530

TB.

75. 76	in the state of	#	PS. No.	ess:	1	95 No	# . HERE	#= #5	195 54o	*	*	PS No	No.	4
679	- 10	18,557	715	- 6	19,543	751	- 9	20,526	787		23,513	824	6	22,526
680	12	18,585	716	- 7	19,570	752	-7	20,556	788	8 - 43	21,541	825	3.	22,553
681	14.	18,612	717	-7	19,597	753	24	20,583	789	116	21,568	826	3	22,581
682	13	18,639	718	- 5	10,625	754	-1	20,610	790	7	21,595	827	0	22,608
683	10	18,667	719	(3-3)	19,652	755	- 2	20,637	791	7	21,623	828	3.5	22,635
684	6	18,694	720	.0	19,679	756	- 5	20,665	792	7.	21,650	829	- 4	22,663
685	T.	18,721	721	3.	19,707	757	- 7	20,692	793	5	21,677	830	-7	22,690
686	- 3	18,749	722	7.	19,734	758	18	20,719	794	1	21,705	811	- 8	22,717
687	-6	18,776	723	9	19,761	759	17	20,747	795	. 0	21,732	832	- 9	22,345
688	- 11	18,804	724	100	19,789	760	- 3	25,774	796	-1	23,760	833	- 8	22,772
689	-10	18,831	725	130	19,816	761	(2)	20,802	297	~4	21,787	834	-3	22,900
690	- 13	18,838	726	30:	19,844	762	-1	26,329	798	= 5	21,814	835	-4	22,827
691	- 10	18,886	727	72	19,871	763	-4	20,856	799	- 6	21,842	836	est.	22,854
692	-7	18,913	728	- 3	19,898	764	-7	20,884	800	- 5	21,869	837	2	22,882
693	(-3)	18,940	729	-4	19,926	765	-9	20,911	801	-4	21,896	838	6	22,909
694		18,968	230	-7	19,933	766	=0.	20,998	802	-2	21,924	839	9	22,936
695	1	18,996	751	1-2	19,980	767	-17	20,966	803	-0	21,951	840	111	22,964
696	7/	19,022	732	-310	20,008	768	-5	20,993	804	1	21,938	841	125	22,991
697	8	19,050	733	- 32	20,035	769	E±3	21,021	805	+	22,006	842	1110	23,019
698	8	19,077	734	- 32	20,063	770	- 2	21/048	806	5.	22,033	843	9	23,046
699	- 6	19,305	735	- 10	20,090	773	- 5	21,075	807	5	22,061	844	3.	23,073
700	*	19,132	756	- 0	20,117	772	8	21,103	908	9 4	12,088	845	0	23,101
701		19,159	237	5-3	20,145	773	10	21,130	809		22,115	846	-3	23,128
702	- 0	19,187	238	0	20,172	774	10	21,157	*10	0	22,143	847	-9	25,155
703	152	19,214	739	5	20,199	775	- 8	21,185	811	ie)	22,170	848	- 33	25,383
704	-2	19,241	740		20,227	776	-6	21,212	912	-3	22,197	849	- 35	23,210
705	- 2	19,269	741	11	20,254	777	- 2	21,239	213	5	22,225	850	- 15	23,238
706	8-1	19,296	742	12	20,282	778	-1	21,267	814	-6	22,232	851	- 13	21,265
707	0	19,324	343	, E	20,369	779	-4	21,294	815	-3	22,280	852	- 0	23,292
708		19,351	744	(9)	20,336	780	-7	21,322	816	-4	22,307	853	-3	25,330
709	2	19,978	745	(6)	20,3.54	781	- 9	21,349	817	=4	22,334	854	3.	23,347
710	1	19,406	746	(4)	20,391	782	±9	21,376	818	- 0	22,362	835	.9	23,374
711	7	19,433	747	~ 7	20,418	783	+ 8	21,404	219		22,389	856	14	23,402
712	-0	19,460	748	- 6	20,446	784	-7	21,431	820	8 +	22,416	857	18	25,429
713	- 2	19,488	740	-9	20,479	785	24	21,458	821	. 5	22,444	858	18	23,457
714	- 5	19,515	750	- 10	20,500	786	-1	21,486	822	- 6	22,471	859	16	23,484

PS No	mm	+	95 No	n mm	1	PS No	Hant		PS No	e e	#// #/	I'S No	1001.	
860	12	23,511	893	6	24,414	926	0	25,318	959	6	26,221	992	2	27,124
861	5	23,539	R94	3	24,442	927	- 5	25,345	960	*	26,248	993	.6	27,152
862	4.1	23,566	895	0	24,469	928	- 9	25,372	961	2	26,276	994	10	27,179
863	+7	23,593	896	~3	24,497	929	- 12	25,400	962	.0	26,308	995	12	27,206
864	- 13	23,621	897	- 6	24,524	930	- 13	25,427	963	-2	26,330	996	14	27,234
865	- 16	23,648	898	~ 8	24,551	931	-12	25,455	964	-4	26,358	997	13	27,261
866	-17	23,675	899	- 9	34,579	932	-9	25,482	965	- 5	26,385	998	11	27,288
867	- 16	23,703	900	~ 8	34,686	933	-5	25,509	966	- 6	26,413	999	8	27,316
868	- 12	23,730	901	- 6	24,633	934	- 0	25,537	967	-7	26,440	1000	3	27,343
869	- 7	23,758	902	-2	24,661	935	1	25,564	968	-7	26,467	1001	- 0	27,370
870.	-1	23,785	903	0	24,688	936	8	25,591	969	-7	26,495	1002	- 5	27,399
871	4	23,812	904	4	24,716	937	11	25,619	970	- 6	26,522	1003	- 9	27,426
872	9	23,840	905	7	24,743	938	13	25,645	971	- 4	26,549	1004	-12	27,453
873	12	23,867	906	8	24,770	939	13	25,674	972	-2	26,577	1005	- 13	27,480
874	14	23,894	907	9	24,798	940	11	25,701	973	- Ø	26,604	1006	+13	27,507
875	13	23,922	908	7	24,825	941	. 7	25,728	974	3	26,631	1007	+11	27,535
876	111	23,949	909	3	24,852	942	3	25,756	975	- 6	26,659	1008	= 7	27,562
877	. 7	23,977	910	=1	24,880	943	± 1	25,783	976	.9	26,686	1009	= 2	27,589
878	- 2	24,004	931	-2	24,907	944	\rightarrow 3	25,810	977	10	26,714	1010	1	27,617
879	+1	24,031	912	6	24,935	945	- 8	25,839	978	11	26,741	1011	6	27,644
880	- 6	24,059	913	- 8	24,962	946	- 10	25,855	979	100	26,768	1012	9	27,672
881	- 9	24,086	914	- 10	24,989	947	=11	25,892	980	8	26,796	1013	W.	27,699
882	-0.1	24,113	915	- 9	25,017	948	- 10	25,920	983	3	26,823	1014	12	27,726
883	- 11	24,141	916	-7	25,044	949	- 8	25,947	982	1	26,850	1015	10	27,754
884	- 9	.24,168	917	. ⊬3	25,071	950	- 6	25,975	983	-3	26,878	1016	8	27,781
885	- 6	24,196	918	0	25,099	951	- 2	26,002	984	-7	26,905	1017	4	27,808
886	-3	24,223	919	4	25,126	952	. 0	26,029	985	- 10	26,933	1018	0	27,836
887	0	24,250	920	- 8	25,153	953	3	26,057	986	- 12	26,960	1019	- 3	27,863
888	4	24,278	921	Ti)	25,181	954	3	26,084	987	- 13	26,987	1020	- 6	27,891
889	7	24,305	922	12	25,208	935	7	26,111	.988	- 12	27,015	1021	- 8	27,918
890	9	24,332	923	71	25,236	956	8	26,139	989	- 10	27,042	1022	- 9	27,945
891	9	24,360	924	9	25,263	957	8.	26,166	990	- 6	27,069	1023	- 8	27,973
892	. 8	24,387	925	4	25,290	958	7	26,194	991	-2	27,097	1024	0	28,006

Appendix 5
Test stand (point 4.5.3.1); example of construction (dimensions in mm)

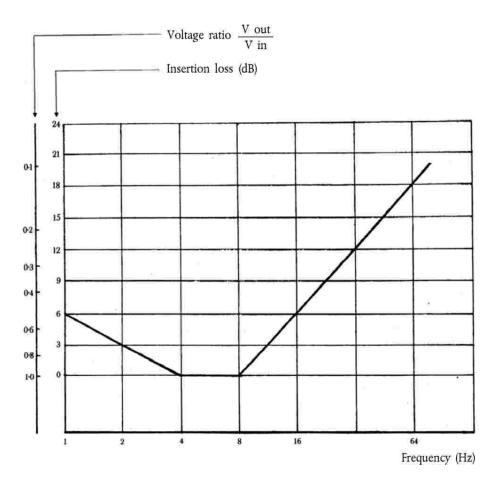


⁽I) The angle of the steering column in relation to the vertical depends on the position of the seat, the diameter of the steering wheel.

⁽²⁾ The rearward inclination of the surface of the fitted seat cushion must be 3 to 12 in relation to the horizontal when measured with the loading device in accordance with Appendix 1 to Annex II. The choice of the angle of inclination within this class depends on the position when seated.

Appendix 6

Characteristic of the filter of the vibration measuring instrument (point 4.5.3.3.5)



Appendix 7

Driver's seat installation requirements for CMVR of a tractor

1	Every driver's seat with suspension system must bear the component type-approval mark
1.1	and comply with the following installation requirements:
	the driver's seat must be installed in such a way that:
1.1.1	the driver is assured of a comfortable position for driving and manoeuvring the tractor;
1.1.2	the seat is easily accessible;
1.1.3	the driver, when seated in the normal driving position, can easily reach the various control
	devices of the tractor that are likely to be actuated during operation;
1.1.4	no part of any of the seat or tractor components is likely to cause the driver to suffer cuts or
	bruises
1.1.5	where the position of the seat is adjustable only lengthwise and vertically, the longitudinal
	axis passing through the Seat Reference Point (S) shall be parallel with the vertical
	longitudinal plane of the tractor passing through the centre of the steering wheel and not
	more than 100 mm from that plane
1.1.6	where the seat is designed to revolve round a vertical axis it must be capable of being
	locked in all or certain positions and in any case in the position mentioned in point 1.1.5.
2.0	The holder of the type-approval may request that it be extended to other types of seat. The
	competent authorities must grant this extension on the following conditions:
2.1	the new type of seat has received component type-approval;
2.2	it has been designed to be installed on the type of tractor for which the extension of the
	type-approval has been requested;
2.3	it is installed in such a manner as to comply with the installation requirements in this
	Annex.
3.0	Seats intended for tractors with a minimum rear-wheel track of not more than 1 150 mm
3.0	may have the following minimum dimensions in respect of the depth and width of the seat
	surface:
	depth of seat surface: 300 mm;
	= depth of seat surface. 500 mm,
	■ width of seat surface: 400 mm.
	- width of scat surface. 400 film.
	This provision is applicable only if the values specified for the depth and the width of the
	seat surface (i.e. 400 ± 50 mm and at least 450 mm respectively) cannot be adhered to on
	grounds relating to the tractor.
	0

Appendix 8 Method for determining the seat reference point (S)

1.0	Device for determining the seat reference point (S)
	The device illustrated in Figure 1 consists of a seat pan board and backrest boards. The lower backrest boards must be hinged in the region of the ischium humps (A) and the loin (B), the hinge (B) being adjustable in height.
2.0	Method of determining the seat reference point (S)
	The seat reference point (S) must be obtained by using the device illustrated in Figures 1 and 2, which simulates loading by a human occupant. The device must be positioned on the seat. It must then be loaded with a force of 550 N at a point 50 mm in front of hinge (A) and two parts of the backrest lightly pressed tangentially against the padded backrest.
	If it is not possible to determine definite tangents to each area of the padded backrest (below and above the lumbar region) the following procedure must be adopted:
(a)	where there is no possibility of defining the tangent to the lowest possible area, the lower part of the backrest board in a vertical position must be lightly pressed against the padded backrest;
(b)	where there is no possibility of defining the tangent to the highest possible area, if the lower part of the backrest board is vertical, the hinge must be fixed at a height of 230 mm above the seat reference point (S). The two parts of the backrest board in a vertical position must then be lightly pressed tangentially against the padded backrest.

Figure 1
Device for determining the seat reference point

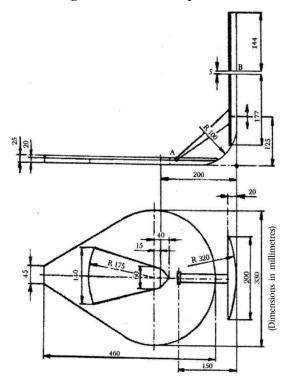
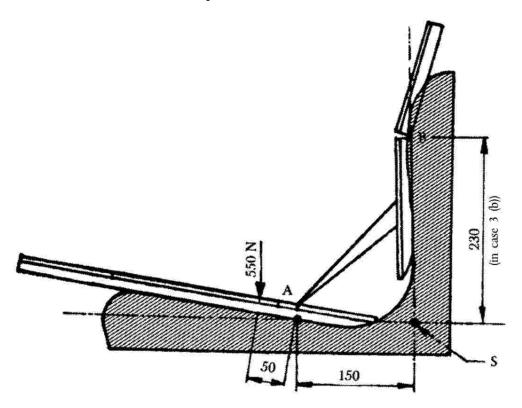


Figure 2
Device in position



APPENDIX 9 TEST PROCEDURE FOR SEAT BELT ANCHORAGE

9.1.1 If id St see 9.1.2 The see shows the st see 9.3 A rear are see 9.3 A rear see are see 9.3 A rear see 9.3	Only static tests for anchorages are given in this procedure. If, for a given seat configuration, a manufacturer provides more than one totally dentical seat with regard to the seatbelt anchorage performance test, the Testing Station is authorized to test only one configuration, corresponding to the heaviest seat. The seat shall be in position during the tests and fixed to the mounting point on the ractor using all intermediary fittings (such as suspension, slides, etc.) specified for the complete tractor. No additional non-standard fittings contributing to the strength of the construction may be used. The anchorages shall be capable of withstanding the loads applied to the seat belt system using a device as shown in Figure 9.1. The seat belt anchorages shall be capable of withstanding the seat adjusted in
9.1.2 The set of the structure of the st	dentical seat with regard to the seatbelt anchorage performance test, the Testing Station is authorized to test only one configuration, corresponding to the heaviest seat. The seat shall be in position during the tests and fixed to the mounting point on the ractor using all intermediary fittings (such as suspension, slides, etc.) specified for the complete tractor. No additional non-standard fittings contributing to the strength of the construction may be used. The anchorages shall be capable of withstanding the loads applied to the seat belt system using a device as shown in Figure 9.1. The seat belt anchorages
9.2 The set of the state of the	ractor using all intermediary fittings (such as suspension, slides, etc.) specified for the complete tractor. No additional non-standard fittings contributing to the strength of the construction may be used. The anchorages shall be capable of withstanding the loads applied to the seat belt system using a device as shown in Figure 9.1. The seat belt anchorages
se sh th m lo no to st se	seat belt system using a device as shown in Figure 9.1. The seat belt anchorages
re	shall be capable of withstanding these test loads applied with the seat adjusted in the worst position of the longitudinal adjustment to ensure that the test condition is met. The test loads shall be applied with the seat in the mid-position of the ongitudinal adjustment if a worst position among the possible seat adjustments is not recognized by the testing station. For a suspended seat, the seat shall be set to the midpoint of the suspension travel, unless this is contradictory to a clearly stated instruction by the seat manufacturer. Where special instructions exist for the seat setting, these shall be observed and specified in the report.
0.4	After the load is applied to the seat system, the load application device shall not be repositioned to compensate for any changes that may occur to the load application angle.
9.4 Fo	Forward loading
of be m to ap	A tensile force shall be applied in a forward and upward direction at an angle of $45^{\circ} \pm 2^{\circ}$ to the horizontal, as shown in Figure 9.2. The anchorages shall be capable of withstanding a force of 4 450 N. In the event that the force applied to the seat pelt assembly is transferred to the vehicle chassis by means of the seat, the seat mounting shall be capable of withstanding this force plus an additional force equal to four times the force of gravity on the mass of all applicable seat components, applied $45^{\circ} \pm 2^{\circ}$ to the horizontal in a forward and upward direction, as shown in Figure 9.2.
9.5 R	Rearward loading
of be m to ap	A tensile force shall be applied in a rearward and upward direction at an angle of $45^{\circ} \pm 2^{\circ}$ to the horizontal, as shown in Figure 9.3. The anchorages shall be capable of withstanding a force of 2 225N. In the event that the force applied to the seat pelt assembly is transferred to the vehicle chassis by means of the seat, the seat mounting shall be capable of withstanding this force plus an additional force equal to two times the force of gravity on the mass of all applicable seat components, applied $45^{\circ} \pm 2^{\circ}$ to the horizontal in a rearward and upward direction, as shown in Figure 9.3. Both tensile forces shall be equally divided between the anchorages.
9.6 C	Condition of acceptance
Pe un fa ac	

The seat adjuster or locking device need not be operable after application of the test load.

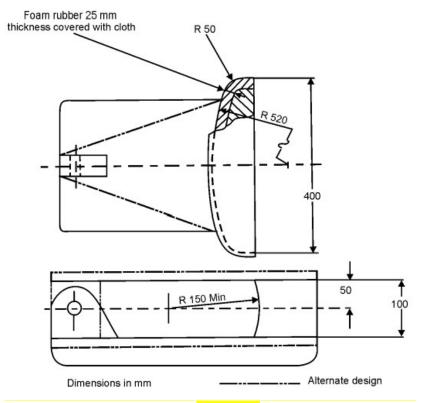


Figure 9.1
The load application device

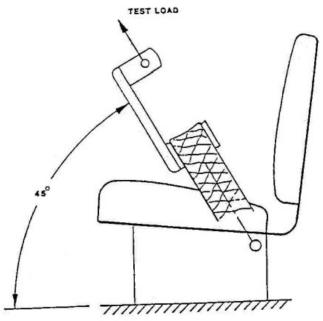


Figure 9.2

Load application in the upward and forward direction

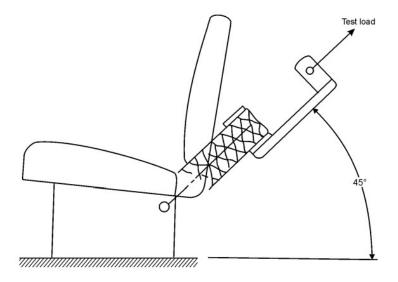


Figure 9.3

Load application in the upward and rearward direction

APPENDIX 10

Specification to be submitted for type approval of driver's seat				
1	GENERAL INFORMATION CONCERNING SYSTEMS, COMPONENTS OR SEPARATE			
	TECHNICAL UNITS			
1.1.	Make(s) (trade name(s) of manufacturer):			
1.2.	Type			
1.2.1.	Commercial name(s) (if available):			
1.2.2.	Type-approval number(s) (49) (if available):			
1.2.3.	Type-approval(s) issued on (date, if available):			
1.2.4.	location and method of attachment of the type-approval mark(s) (if available)			
1.3.	Company name and address of manufacturer:			
1.3.1.	Name(s) and address(es) of assembly/manufacture plants:			
1.3.2.	Name and address of manufacturer's authorised representative (if any):			
1.4.	For systems and separate technical units, vehicle(s) for which they are intended for (21):			
1.4.1.	Model Name			
1.4.2.	Manufacturer's Name			
1.4.3	Max speed of vehicle intended for			
1.4.4.	Category, subcategory of the vehicle:			
2	SEATING POSITIONS (SADDLES AND SEATS)			
2.1	Seating position configuration: seat/saddle			
2.2	Coordinates or drawing of the Seat Reference point(s) (S) of all seating positions :			
2.3	Description and drawings of:			
2.3.1	The seats and their anchorages:			
2.3.2	The adjustment system:			
2.3.3	The displacement and locking systems:			
2.3.4	The seat-belt anchorages (if incorporated in the seat structure):			
2.3.5	The parts of the vehicle used as anchorages:			
2.4	Driver's seat			
2.4.1	Position of the driving seat: left/right/centre (4):			
2.4.2	Driver's seat type category: category A class I/II/III, category B (4)			
2.4.3	Reversible driving position: yes/no (4)			
2.4.3.1	Description of the reversible driving position:			
2.4.4	Dimensions of the driving seat, including the depth and width of the seat surface, the position and			
	inclination of the backrest, as well as the inclination of the seat surface :			
2.4.5	Main characteristics of the driving seat:			
2.4.6	Adjustment system:			
2.4.7	Displacement and locking Displacement and locking system in the longitudinal and vertical			
	directions:			
2.4.7.1	In the case of vehicles not equipped with an adjustable seat, indicate the displacement of the steering			
	column and nedal(s):			

APPENDIX 11

Model information document relating to type-approval of a type of (or a type of a vehicle with regard to) a seat belt anchorages system

GENERAL INFORMATION CONCERNING SYSTEMS, COMPONENTS OR SEPARATE TECHNICAL UNITS 1.1. Make(s) (trade name(s) of manufacturer): 1.2. Type (49): 1.2.1. Commercial name(s) (if available): 1.2.2. Type-approval number(s) (49) (if available): 1.2.3. Type-approval number(s) (49) (if available): 1.2.4. For components and separate technical units, location and method of attachment of the type-approval mark(s) (if available) (19): 1.3. Company name and address of manufacturer: 1.3.1. Name(s) and address of manufacturer plants: 1.3.2. Name and address of manufacturer's authorised representative (if any): 1.4. For systems and separate technical units, vehicle(s) for which they are intended for (21): 1.4.1. Type (17): 1.4.2. Variant(s) (17): 1.4.3. Version(s) (17): 1.4.4. Commercial name(s) (if available): 1.4.5. Category, subcategory and speed index of the vehicle (2): 2 ROLL-OVER PROTECTIVE STRUCTURE (ROPS) 2.1. Equipment of ROPS: compulsory/optional/standard (4) 3. SEATING POSITIONS (SADDLES AND SEATS) 3.1. Seating position configuration: seat/saddle (4) 3. Description and drawings of: 3.2. Coordinates or drawing of the Seat Reference point (S) of all seating positions: 3.3. Description and drawings of: 3.3.1. The seats and their anchorages: 3.3.2. The adjustment system: 3.3.3. The displacement and locking systems: 3.3.4. The seats of the vehicle used as anchorages: 4. SEAT-BELT ANCHORAGES 4.1. Requirements under standard ISO 3776-1:2006 (Tractors and machinery for agriculture — Seat belts — Part 1: Anchorage location requirements) are met with relevant documentation included in the information document: yes/no (4) 4. Photographs and/or drawings of the bodywork showing the true, effective location and dimensions of the anchorages: 4. Drawings of the anchorages and the parts of the vehicle structure to which they are attached (together with a statement on the nature of the materials used):	A.	GENERAL INFORMATION
SEPARATE TECHNICAL UNITS 1.1. Make(s) (trade name(s) of manufacturer): 1.2. Type (49): 1.2.1. Commercial name(s) (if available): 1.2.2. Type-approval number(s) (49) (if available): 1.2.3. Type-approval (s) issued on (date, if available): 1.2.4. For components and separate technical units, location and method of attachment of the type-approval mark(s) (if available) (19): 1.3. Company name and address of manufacturer: 1.3.1. Name(s) and address of manufacturer's authorised representative (if any): 1.4. For systems and separate technical units, vehicle(s) for which they are intended for (21): 1.4.1. Type (17): 1.4.2. Variant(s) (17): 1.4.3. Version(s) (17): 1.4.4. Commercial name(s) (if available): 1.4.5. Category, subcategory and speed index of the vehicle (2): 2 ROLL-OVER PROTECTIVE STRUCTURE (ROPS) 2.1. Equipment of ROPS: compulsory/optional/standard (4) 3. SEATING POSITIONS (SADDLES AND SEATS) 3.1. Seating position configuration: seat/saddle (4) 2. Coordinates or drawing of the Seat Reference point (S) of all seating positions: 3.3. Description and drawings of: 3.3.1. The seats and their anchorages: 3.3.2. The adjustment system: 3.3.3. The displacement and locking systems: 3.3.4. The seat-belt anchorages (if incorporated in the seat structure): 3.3.5. The parts of the vehicle used as anchorages: 4. SEAT-BELT ANCHORAGES 4.1. Requirements under standard ISO 3776-1:2006 (Tractors and machinery for agriculture — Seat belts — Part 1: Anchorage location requirements) are met with relevant documentation included in the information document: yes/no (4) 4.2. Photographs and/or drawings of the bodywork showing the true, effective location and dimensions of the anchorages: 4.3. Drawings of the anchorages and the parts of the vehicle structure to which they are attached (together with a statement on the nature of the materials used):		GENERAL INFORMATION CONCERNING SYSTEMS, COMPONENTS OR
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A 4 Designation of the types of helts (14) authorised for attachment to the anchorages on the vehicle	4.3.	Drawings of the anchorages and the parts of the vehicle structure to which they are attached (together
1. 1. Designation of the types of beins (17) authorised for attachment to the anchorages of the vehicle	4.4.	Designation of the types of belts (14) authorised for attachment to the anchorages on the vehicle

53.4. Designation of the types of belts (14) authorised for attachment to the anchorages on the vehicle

		Anchorag	Anchorage location	
		Vehicle structure	Seat structure	
Driver's seat	Lower anchorages outboard inboard			
	Upper anchorages			
Passenger seat	Lower anchorages outboard inboard			
1	Upper anchorages			
Passenger seat	Lower anchorages outboard inboard			
222	Upper anchorages			

- 53.4.1. Observation:
- 53.5. Special devices (example: seat-height adjustment, preloading device, etc.):
- 53.6. Description of a particular type of safety belt where an anchorage is located in the seat backrest or incorporates an energy dissipating device:
- 53.7. Alternative to entries 53.2 to 53.6.
- 53.7.1. Requirements under standard ISO 3776-2:2013 (Tractors and machinery for agriculture Seat belts Part 2: Anchorage strength requirements) on anchorage strength location are met with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.2. Test report granted a on the basis of UNECE Regulation No 14 (OJ L 109, 28.4.2011, p. 1) with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.3. Complete test report issued on the basis of the OECD standard Code for the official testing of protective structures on agricultural and forestry tractors (dynamic test), OECD Code 3 with seat-belt anchorages tested, Edition 2015 of July 2014, is provided with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.4. Complete test report issued on the basis of the OECD standard Code for the official testing of protective structures on agricultural and forestry track-laying tractors, OECD Code 8 with seat-belt anchorages tested, Edition 2015 of July 2014, is provided with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.5. Complete test report issued on the basis of the OECD standard Code for the official testing of protective structures on agricultural and forestry tractors (static test), OECD Code 4 with seat-belt anchorages tested, Edition 2015 of July 2014, is provided with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.6. Complete test report issued on the basis of the OECD standard Code for the official testing of front mounted roll-over protective structures on narrow-track wheeled agricultural and forestry tractors, OECD Code 6 with seat-belt anchorages tested, Edition 2015 of July 2014, is provided with relevant documentation included in the information document: yes/no/not applicable (4)
- 53.7.7 Complete test report issued on the basis of the OECD standard Code for the official testing of rear mounted roll-over protective structures on narrow-track wheeled agricultural and forestry tractors, OECD Code 7 with seat-belt anchorages tested, Edition 2015 of July 2014, is provided with relevant documentation included in the information document: yes/no/not applicable (4)