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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

ISO 12188-1— 2021

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(ISO 12188-1:2010, IDT)

2021

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 (30 2021 . 130-)
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 2021 . 451- ISO 12183-1 —2021
 1 2022 .

5 ISO 12188-1:2010 «
 1.
 » («Tractors and machinery for agriculture and forestry — Test procedures for positioning and guidance systems in agriculture — Part 1: Dynamic testing of satellite-based positioning devices». IDT).

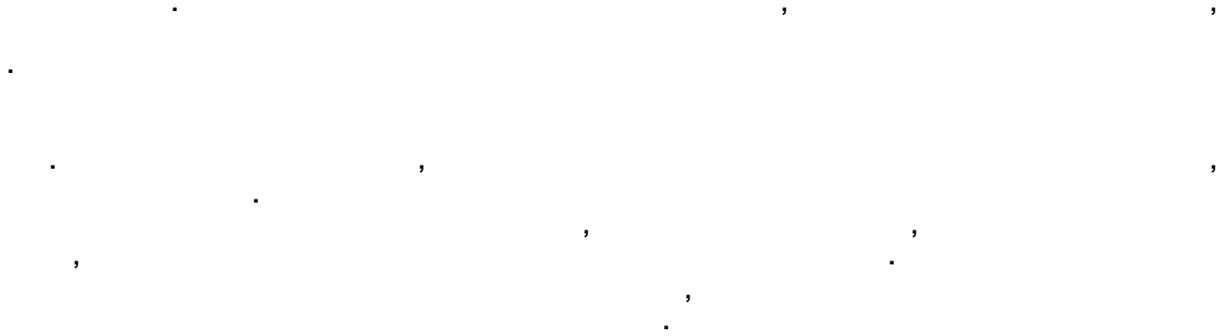
ISO/TC 23 « (ISO)

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ISO, 2010 —
 © . 2021



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3.1	2
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3.3	3
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4.1	4
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Tractors and machinery for agriculture and forestry. Test procedures for positioning and guidance systems in agriculture.
Part 1. Dynamic testing of satellite-based positioning devices

— 2022—01—01

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(GNSS). GPS, Galileo

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2.1

2.1.1 ; PD (positioning device): -

2.1.2 ; NDR (navigation data record): -

2.1.3 ; (travel course):

2.1.4 ; RNS (reference navigation system): -

PD PD.
2.1.5 (geographic coordinates):

2.1.6 (travel speed):

2.1.7		(course over ground):	-
		NMEA 0183.	
2.1.8	(time):	(UTC)	
NMEA0183.			
2.1.9		(initialization time):	-
2.2			
2.2.1		(off-track error):	-
2.2.2		(horizontal position error):	-
2.2.3		(vertical position error):	-
2.2.4	(latency):		
2.2.5	[]		
(absolute horizontal [vertical] positioning accuracy):			-
2.2.6	[]		
(relative horizontal [vertical] positioning accuracy):			-
2.2.7		(short-term dynamic accuracy):	-
15-			
2.2.8		(long-term dynamic accuracy):	-
24 .			
2.2.9	U- 180 .	(U-turn accuracy):	-
3			
3.1			
a)	()		
5 10	U- 180'	90	U- 35 55
8	50	1	10
b)			

c)

d) RNS

(HDOF).

(10)

$\pm 1 / .$

RNS.

e)

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3.2.1

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3.2.2

3.2.3

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3.3.1

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4.1

4.1.1

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4.1.3

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4.1.4

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a)

b)

c)

(.2.1.8)

d)

e)

f)

4.1.5

4.2

4.2.1

(*SJ.

4.2.2

4.2.3

4.2.4 (* S_x).

4.2.5

50-
15-

25 %

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30

4.2.6

50-

4.2.7 U- U-

4.2.8 () 20 () [^2(+5)].

4.3

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4.6

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(PPS) —

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F^, F^ —

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1ERS Conventions (2003)	EU	6 378 137	6 356 751.858 0
GRS-80 ^b	Galileo	6378 137	6 356 752.314 1
WGS 84	GPS	6378 137	6 356 752.314 2
PZ-90.02 ^d	GLONASS	6378 136	6 356 751.361 8
(2003).			
1980. (1984). GLONASS.			
^d	,		

[1] NMEA0183 Interface Standard¹

, Sevema Park , .

631.171:006.034:006.354

35.240.99.65.060.01

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