

## Adopted amendments to ECE/TRANS/WP.29/GRRF/2013/20

### I. Proposal

Paragraph 2.1.3., amend to read:

"2.1.3. ... moped, **all terrain (AT~~V~~)**."

Add new paragraph 2.16.4.

~~"2.16.4.~~ **The prefix "AT" for all terrain (AT~~V~~) tyres (e.g. AT 18x11-8)"**

Add new paragraph 2.34.

~~"2.34.~~ **AT~~V~~ (all terrain-vehicle) tyre: means a low pressure tyre designed primarily for the equipment of "quadricycles" (categories L6 and L7). They may also equip mopeds (categories L1 and L2) or agricultural vehicles."**

Add new paragraph 3.1.15.

**"3.1.15. For all terrain (AT~~V~~) tyres, the symbol identifying the reference inflation pressure as follows:**

<i>Symbol</i>	<i>Reference Inflation Pressure (kPa)</i>
☆	25
☆☆	35
☆☆☆	45

"

Add new paragraph 4.1.16.

**"4.1.16. For all terrain (AT~~V~~) tyres, the symbol identifying the reference inflation pressure (see paragraph 3.1.15.)."**

Annex 1, paragraph 5.2., amend to read:

"5.2. ... moped, **all terrain (AT~~V~~) 2**"

Annex 1, add a new paragraph 5.6

**"5.6. For all terrain (AT~~V~~) tyres, the symbol (stars) identifying the reference inflation pressure."**

Annex 5, add a new table

"Table 8: Tyres for all terrain vehicles (ATV).

Table 8 (1 of 3)

Tyres for all terrain vehicles (ATV)

Tyre size (1)	Measuring rim width code	Section width (mm)	Overall diameter (mm)			Maximum overall width (mm)
			D <sub>min</sub>	D	D <sub>max</sub>	
AT16x6-8	5	154	394	406	418	168
AT16x7-7	5.5	177	392	406	420	193
AT16x8-7	6.5	204	392	406	420	222
AT18x7-7	5.5	177	440	457	474	193
AT18x7-8	5.5	177	442	457	472	193
AT18x8-7	6.5	204	440	457	474	222
AT18x9-8	7	227	442	457	472	247
AT18x9.5-8	7.5	240	442	457	472	262
AT18x10-10	8	254	445	457	469	277
AT18x10-8	8	254	442	457	472	277
AT18x11-10	9	281	445	457	469	306
AT18x11-8	9	281	442	457	472	306
AT18x11-9	9	281	443	457	471	306
AT19x6-10	5	154	469	483	497	168
AT19x7-8	5.5	177	466	483	500	193
AT19x8-8	6.5	204	466	483	500	222
AT19x9-8	7	227	466	483	500	247
AT19x10-9	8	254	468	483	498	277
AT20x7-10	5.5	177	493	508	523	193
AT20x7-8	5.5	177	490	508	526	193
AT20x7-9	5.5	177	491	508	525	193
AT20x8-10	6.5	204	493	508	523	222
AT20x10-10	8	254	493	508	523	277
AT20x10-8	8	254	490	508	526	277
AT20x10-9	8	254	491	508	525	277
AT20x11-10	9	281	493	508	523	306
AT20x11-8	9	281	490	508	526	306
AT20x11-9	9	281	491	508	525	306
AT21x7-10	5.5	177	516	533	550	193
AT21x8-9	6.5	204	515	533	551	222
AT21x10-10	8	254	516	533	550	277
AT21x10-8	8	254	513	533	553	277
AT21x11-8	9	281	513	533	553	306
AT21x11-9	9	281	515	533	551	306
AT21x12-8	9.5	304	513	533	553	331
AT22x7-10	5.5	177	541	559	577	193
AT22x7-11	5.5	177	542	559	576	193
AT22x7-12	5.5	177	544	559	574	193
AT22x7-9	5.5	177	539	559	579	193
AT22x8-10	6.5	204	541	559	577	222
AT22x9-10	7	227	541	559	577	247

**Table 8 (2 of 3)**  
**Tyres for all terrain vehicles (AT $\nabla$  tyres)**

Tyre size (1)	Measuring rim width code	Section width (mm)	Overall diameter (mm)			Maximum overall width (mm)
			D <sub>min</sub>	D	D <sub>max</sub>	
AT22x9-11	7	227	542	559	576	247
AT22x9-8	7	227	538	559	580	247
AT22x10-10	8	254	541	559	577	277
AT22x10-8	8	254	538	559	580	277
AT22x10-9	8	254	539	559	579	277
AT22x11-10	9	281	541	559	577	306
AT22x11-8	9	281	538	559	580	306
AT22x11-9	9	281	539	559	579	306
AT22x12-8	9,5	304	538	559	580	331
AT22.5x10-8	8	254	550	572	594	277
AT23x7-10	5.5	177	564	584	604	193
AT23x8-10	6.5	204	564	584	604	222
AT23x8-11	6.5	204	566	584	602	222
AT23x8-12	6.5	204	567	584	601	222
AT23x10-10	8	254	564	584	604	277
AT23x10-12	8	254	567	584	601	277
AT23x10-8	8	254	561	584	607	277
AT23x11-9	9	281	563	584	605	306
AT23x12-9	9,5	304	563	584	605	331
AT24x8-11	6.5	204	590	610	630	222
AT24x8-12	6.5	204	592	610	628	222
AT24x9-11	7	227	590	610	630	247
AT24x9-12	7	227	592	610	628	247
AT24x10-11	8	254	590	610	630	277
AT24x11-10	9	281	589	610	631	306
AT24x11.5-10	9	290	589	610	631	316
AT24x12-10	9,5	304	589	610	631	331
AT24x13-9	10.5	330	587	610	633	360
AT25x8-10	6.5	204	612	635	658	222
AT25x8-12	6.5	204	615	635	655	222
AT25x8-13	6.5	204	617	635	653	222
AT25x10-10	8	254	612	635	658	277
AT25x10-12	8	254	615	635	655	277
AT25x11-10	9	281	612	635	658	306
AT25x11-12	9	281	615	635	655	306
AT25x11-9	9	281	611	635	659	306
AT25x11.5-9	9	290	611	635	659	316
AT25x12-10	9,5	304	612	635	658	331
AT25x12-9	9,5	304	611	635	659	331
AT25x13-9	10.5	330	611	635	659	360

Table 8 (3 of 3)

Tyres for all terrain vehicles (AT~~V~~ tyres)

Tyre size (1)	Measuring rim width code	Section width (mm)	Overall diameter (mm)			Maximum overall width (mm)
			D <sub>min</sub>	D	D <sub>max</sub>	
AT26x9-12	7	227	639	660	681	247
AT26x10-12	8	254	639	660	681	277
AT26x10.5-12	8.5	268	639	660	681	292
AT26x12-10	9.5	304	636	660	684	331
AT26x12-12	9.5	304	639	660	681	331
AT26x12-14	9.5	304	642	660	678	331
AT27x9-12	7	227	663	686	709	247
AT27x11-12	9	281	663	686	709	306
AT27x12-10	9.5	304	660	686	712	331
AT27x12-12	9.5	304	663	686	709	331

(1) Tyres in Radial construction are identified by the letter "R" in place of "-" (e.g. AT16x6 R 8). In case of Tyre Size designations not included in this table, refer to any edition of one of the following International Tyre Standards for the relevant dimensional data:

- (a) The European Tyre and Rim Technical Organisation (ETRTO) 'Standards Manual';
- (b) The Tire and Rim Association Inc. (TRA) 'Year Book';
- (c) The Japan Automobile Tire Manufacturers Association (JATMA) 'Year Book';
- (d) The Scandinavian Tyre and Rim Organisation (STRO) 'Data Book'.

In that case the nominated International Tyre Standard, to which the tyre conforms, shall be specified in the application for approval.

"

Annex 6, paragraph 1. and Annex 7, paragraph 1.2, add to the table:

"

	Tyre version	Speed Category	Pressure (bar)	Pressure (kPa)
all terrain (ATV)	☆	all	0.25	25
	☆☆	all	0.35	35
	☆☆☆	all	0.45	45

"

Annex 8, add a new table for all terrain (AT~~V~~) tyres with speed symbol "F":

"

<i>Speed (km/h)</i>	<i>Variation in Load Carrying Capacity (%)</i>
<b>50 and below</b>	<b>+ 12</b>
<b>60</b>	<b>+ 7</b>
<b>70</b>	<b>+ 3</b>
<b>80</b>	<b>0</b>
<b>90</b>	<b>- 5</b>
<b>100</b>	<b>- 10</b>
<b>110</b>	<b>- 15</b>
<b>120</b>	<b>- 20</b>
<b>130</b>	<b>- 25</b>

"

## II. Justification

The addition of AT tyres into UN Regulation No. 75 would permit the type approval of tyres designed to equip quadricycle covered by the new Regulation (EU) No. 168/2013 of the European Parliament and of the Council of 15 January 2013 on the approval and market surveillance of two- or three-wheel vehicles and quadricycles (L category vehicles). These tyres may also equip some agricultural tractors (SbS vehicles) covered by the new EU Regulation.