

| UN Regulations | Title | Topic | Vehicle and/or Component | category | to be checked | changes required | First suggestions of the SIG-AVRS | | | | | Possible action |
|---------------------|---|-------|--------------------------|------------------|---------------|------------------|---|-------------------------------------|-------------------------------|---------------------------------------|----------------------------|----------------------------------|
| | | | | | | | Issue | Issue for fully automated vehicles? | Issue for dual mode vehicles? | Issue for vehicles without occupants? | Issue for other use cases? | |
| UN R 9 | Noise of three-wheeled vehicles | Noise | Vehicle | L2, L4, L5 | YES | YES | measurement procedure | YES | No | YES | | Test mode |
| UN R 28 | Audible warning devices | Noise | Component & Vehicle | M, N, L3, L4, L5 | YES | YES | requirements for courtesy horn, actuation | YES | YES | YES | | new requirements |
| UN R 30 | Tyres for passenger cars and their trailers | Tyres | Component | M, O | No | | | | | | | |
| UN R 41 | Noise emissions of motorcycles | Noise | Vehicle | L3 | YES | ??** | measurement procedure | YES | No | ? | | Test mode |
| UN R 51 | Noise of M and N categories of vehicles | Noise | Vehicle | M, N | YES | YES | measurement procedure | YES | No | YES | | Test mode |
| UN R 54 | Tyres for commercial vehicles and their trailers | Tyres | Component | N, O | No | | | | | | | |
| UN R 59 | Replacement silencing systems | Noise | Component & Vehicle | M1, N1 | YES | copy UN R 51 | measurement procedure | YES | No | YES | | Test mode |
| UN R 63 | Noise emissions of mopeds | Noise | Vehicle | L1 | YES | ??** | measurement procedure | YES | No | ? | | Test mode |
| UN R 64 | Temporary use spare unit, run flat tyres | Tyres | Component & Vehicle | M, N | YES | ??* | measurement procedure | ? | No | ? | | |
| UN R 75 | Tyres for motorcycles/mopeds | Tyres | Component | L1, L3 | No | | | | | | | |
| UN R 92 | Replacement exhaust silencing systems (RESS) for motorcycles | Noise | Component & Vehicle | L | YES | copy UN R 41** | measurement procedure | YES | No | ? | | Test mode |
| UN R 106 | Tyres for agricultural vehicles | Tyres | Component | T, R, S | No | | | | | | | |
| UN R 108 | Retreaded tyres for passenger cars and their trailers | Tyres | Component | M, O | No | | | | | | | |
| UN R 109 | Retreaded tyres for commercial vehicles and their trailers | Tyres | Component | N, O | No | | | | | | | |
| UN R 117 | Tyres, rolling resistance, rolling noise and wet grip | Tyres | Component* | M, N, O | No | | | | | | | |
| UN R 124 | Replacement wheels for passenger cars | Tyres | Component | M | YES | YES** | application in Avs | YES | YES | | | new requirements |
| UN R 138 | Quiet Road Transport Vehicles (QRTV) | Noise | Vehicle | M, N | YES | YES | measurement procedure | ? | No | ? | | new requirements, Test procedure |
| UN R 141 | Tyre Pressure Monitoring Systems (TPMS) | Tyres | Component & Vehicle | M1, N1 | YES | YES | warning strategy, actions? | YES | YES | YES | | new requirements |
| UN R 142 | Tyres installation | Tyres | Component & Vehicle | M1 | YES | ? | vehicle dynamic aspects? | YES | YES | YES | | new requirements |
| UN R 164 | Studded tyres with regard to their snow performance | Tyres | Component* | | No | | | | | | | |
| UN R 165 | Audible reverse warning devices and audible reverse warning signals | Noise | Component & Vehicle | M2, N2, M3, N3 | YES | ? | warning strategy | YES | YES | YES | | new requirements |
| GTR No. 16 | Tyres | Tyres | Component* | | No | | | | | | | |
| <i>Sum of "YES"</i> | | | | | 13 | | | | | | | |

* needs any non fully automated vehicle for testing

** usecase questionable

20-01-23

| <i>UN Regulations</i> | <i>Title</i> | <i>Topic</i> | <i>Vehicle and/or Component</i> | <i>category</i> | <i>to be checked</i> | <i>changes required</i> |
|-----------------------|---|--------------|---------------------------------|------------------|----------------------|-------------------------|
| UN R 9 | Noise of three-wheeled vehicles | Noise | Vehicle | L2, L4, L5 | YES | YES |
| UN R 28 | Audible warning devices | Noise | Component & Vehicle | M, N, L3, L4, L5 | YES | YES |
| UN R 30 | Tyres for passenger cars and their trailers | Tyres | Component | M, O | No | |
| UN R 41 | Noise emissions of motorcycles | Noise | Vehicle | L3 | YES | ??** |
| UN R 51 | Noise of M and N categories of vehicles | Noise | Vehicle | M, N | YES | YES |
| UN R 54 | Tyres for commercial vehicles and their trailers | Tyres | Component | N, O | No | |
| UN R 59 | Replacement silencing systems | Noise | Component & Vehicle | M1, N1 | YES | copy UN R 51 |
| UN R 63 | Noise emissions of mopeds | Noise | Vehicle | L1 | YES | ??** |
| UN R64 | Temporary use spare unit, run flat tyres | Tyres | Component & Vehicle | M, N | YES | ??* |
| UN R 75 | Tyres for motorcycles/mopeds | Tyres | Component | L1, L3 | No | |
| UN R 92 | Replacement exhaust silencing systems (RESS) for motorcycles | Noise | Component & Vehicle | L | YES | copy UN R 41** |
| UN R 106 | Tyres for agricultural vehicles | Tyres | Component | T, R, S | No | |
| UN R 108 | Retreaded tyres for passenger cars and their trailers | Tyres | Component | M, O | No | |
| UN R 109 | Retreaded tyres for commercial vehicles and their trailers | Tyres | Component | N, O | No | |
| UN R 117 | Tyres, rolling resistance, rolling noise and wet grip | Tyres | Component* | M, N, O | No | |
| UN R 124 | Replacement wheels for passenger cars | Tyres | Component | M | YES | YES** |
| UN R 138 | Quiet Road Transport Vehicles (QRTV) | Noise | Vehicle | M, N | YES | YES |
| UN R 141 | Tyre Pressure Monitoring Systems (TPMS) | Tyres | Component & Vehicle | M1, N1 | YES | YES |
| UN R 142 | Tyres installation | Tyres | Component & Vehicle | M1 | YES | ? |
| UN R 164 | Studded tyres with regard to their snow performance | Tyres | Component* | | No | |
| UN R 165 | Audible reverse warning devices and audible reverse warning signals | Noise | Component & Vehicle | M2, N2, M3, N3 | YES | ? |
| GTR No. 16 | Tyres | Tyres | Component* | | No | |
| <i>Sum of "YES"</i> | | | | | 13 | |

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| <i>UN Regulations</i> | <i>changes required</i> | <i>Issue</i> | <i>Issue for fully automated vehicles?</i> | <i>Issue for dual mode vehicles?</i> | <i>Issue for vehicles without occupants?</i> | <i>Issue for other use cases?</i> | <i>Possible action</i> |
| UN R 9 | YES | measurement procedure | YES | No | YES | | Test mode |
| UN R 28 | YES | requirements for courtesy horn, actuation | YES | YES | YES | | new requirements |
| UN R 30 | | | | | | | |
| UN R 41 | ??** | measurement procedure | YES | No | ? | | Test mode |
| UN R 51 | YES | measurement procedure | YES | No | YES | | Test mode |
| UN R 54 | | | | | | | |
| UN R 59 | copy UN R 51 | measurement procedure | YES | No | YES | | Test mode |
| UN R 63 | ??** | measurement procedure | YES | No | ? | | Test mode |
| UN R64 | ?** | measurement procedure | ? | No | ? | | |
| UN R 75 | | | | | | | |
| UN R 92 | copy UN R 41** | measurement procedure | YES | No | ? | | Test mode |
| UN R 106 | | | | | | | |
| UN R 108 | | | | | | | |
| UN R 109 | | | | | | | |
| UN R 117 | | | | | | | |
| UN R 124 | YES** | application in Avs | YES | YES | | | new requirements |
| UN R 138 | YES | measurement procedure | ? | No | ? | | new requirements, Test procedure |
| UN R 141 | YES | warning strategy, actions? | YES | YES | YES | | new requirements |
| UN R 142 | ? | vehicle dynamic aspects? | YES | YES | YES | | new requirements |
| UN R 164 | | | | | | | |
| UN R 165 | ? | warning strategy | YES | YES | YES | | new requirements |
| GTR No. 16 | | | | | | | |

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