

DMSB Regulations
Sample Tyre procedures for the *NLS*, the 24h Nürburgring Qualifiers and
the 24h Race 2023

(As at: 14.02.2023 – Major changes are printed in *italics*)

For vehicle classes for which no commercially available tyres in accordance with the "DMSB List of eligible tyres Nürburgring Nordschleife" are prescribed, i.e. for SPX, SP Pro and GT3 vehicles of the homologation years from 2010 onwards, the present DMSB regulations are mandatory for the Nürburgring Endurance Series events (NLS) and the 24h Race incl. 24h Nürburgring Qualifiers on the Nürburgring Nordschleife.

The tyre manufacturers concerned must be in possession of a current 2023 DMSB manufacturer's licence and be included in the DMSB manufacturer's list.

By concluding the DMSB licence agreement, the tyre manufacturers agree to the purchase option in accordance with the *present* regulations.

Applications for DMSB tyre manufacturer licences must be submitted to the DMSB Technical Department: technik@dmsb.de.

I. Specification of tyres

The specification of a tyre is defined by the following criteria. If one of these criteria changes, then the tyre specification is a different or additional tyre specification.

General information

1. Manufacturer (brand name)
2. Name of the product
3. Type of tyre (slick)
 - 3.1. Slick' = treadless tyre with a smooth surface, which is mechanically and chemically unaltered
4. Classification of the rubber compound (e.g. soft, medium, hard)
5. Designation of size
6. Intended use (front/rear axle, engine/drive axle (e.g. FH, MH, FF) or vehicle type (e.g. BMW M6 GT3), if applicable)
7. Manufacturer code/further information (e.g. speed approvals), if applicable
8. Tyre weight deviates by more than 6%.

Tyre construction

1. Tread band
 - a) Tread (cap/base geometry and respective composition, information on profiling, if applicable (e.g. negative profile proportion))
 - b) Jointless cap plies (material, number of windings)
 - c) steel cord for belt plies (number of belt plies, wire diameter)
2. Carcass
 - a) Textile cord ply (number and material of fabric ply, thread angle)
 - b) Possibly details of inner liner
 - c) Side wall (material)
 - d) Bead apex (material)
 - e) Core (geometry of steel wire package)
 - f) Bead reinforcer (number and material of fabric layers)

Composition

1. Rubber (e.g. natural rubber, styrene butadiene rubber)
2. Fillers (e.g. carbon black (carbon), silica)
3. Reinforcing agents (e.g. steel, rayon, nylon, polyester, aramid)
4. Plasticisers (e.g. oils, resins)
5. Chemicals
 - a) for vulcanisation (e.g. sulphur, accelerators, zinc oxide)
 - b) against ageing/material fatigue
 - c) other

Marking

All tyres must be marked with a barcode on the tyre sidewall and be identifiable. The respective specification as well as the barcode must be visible to the Scrutineer by means of the information on the tyre. The information must be visible from the tyre at all times, i.e. it must not be removable.

Note für 2024: From the 2024 season, all tyres must have a barcode on each tyre sidewall and be identifiable.

Regulations for rain tyres

- *A rain/intermediate tyre is a tyre designed for use on a wet/damp track.*
- *A rain/intermediate tyre has a negative tread of at least 5%.*
- *The tread of a rain/intermediate tyre (new tyre) is evenly distributed over the entire surface of the tread and has*
 - *A minimum tread width of 2mm*
 - *A min. tread depth of 1.6mm*
- *Consequently, tyres which do not comply with the DMSB regulations (sample tyre procedure for NLS and 24h race 2023) are not permitted at any time during the event.*

II. Registration of tyres and formal requirements

- a) a) The tyre manufacturers must provide a list of the specifications to be used and designated on the DMSB-approved registration tool (Tyre App) by 16:00 hrs on the Thursday before the respective event. The definition of a tyre specification is given in Art. I of these regulations. An addition or deletion of the specifications mentioned (maximum 4 specifications per tyre manufacturer and event) is possible until 18:00 hrs on the Friday before the event, a change to the specifications after the aforementioned deadline is not possible.
- In case of a late registration in the aforementioned list by this deadline (from Thursday 16:01 hrs to Thursday 23:59 hrs), the DMSB will charge the tyre manufacturer with a late entry fee of 1,000 € plus 19% VAT.
- Only the tyre specifications filed by 23:59 on Thursday are permitted for the event in question and are considered to be DMSB-approved. The specification limits according to III.a-b) must be observed. Lists received by the DMSB - after Friday 0:00 hrs - will not be considered for the event in question.

Furthermore, the tyre manufacturer must bring one sample slick tyre per specification to the event and store it. Sample slick tyres must be marked with stickers on the tread. The stickers should contain the following information

- *Specification*
- *Size*
- *Barcode*

The sample slick tyre will be sealed by the Scrutineer.

Sample slick tyres must be accessible to a Scrutineer at all times during the event.

*The sealing incl. confirmation of the tyres and the list must be completed at scrutineering of the respective event **by 18:00 hrs on Friday evening.***

Different deadlines apply for the 24h Race and 24h Nürburgring Qualifiers, these will be communicated by the ADAC Nordrhein to the tyre manufacturers in due time.

- b) Each tyre manufacturer must appoint a responsible representative for the event in question. For the organiser, the contact stored in the Tyre App is considered to be the responsible representative for the tyre manufacturer.

III. Conditions

a) **Maximum number of specifications to be nominated**

A maximum of **4** specifications (Specs.) per vehicle model and axle are permitted for the 2022, 2023 and 2024 season (NLS, 24h Nürburgring Qualifiers and 24h Race) according to the following scheme.

$\text{SPEC}_{\max} \text{ FA} = n_{\text{veh. model}} \times Z$ $\text{SPEC}_{\max} \text{ RA} = n_{\text{veh. model}} \times Z$

- Z = Number of tyre specs per vehicle model; **Z = 4**
SPEC_{max} FA = Max. number of tyre specs. Front axle
SPEC_{max} RA = Max. number of tyre specs. Rear axle
n_{veh. model} = Number of vehicle models (veh. Homologation) equipped by the tyre manufacturer;
A vehicle model is defined by the homologation number.

Bonus regulations:

- For **new vehicle homologations**, one (1) tyre spec may be added to the number Z above. New vehicle homologations are defined by a new FIA homologation with a new homologation number.
- For **new tyre manufacturers**, one (1) tyre-spec may be added to the number Z above. For the purpose of these regulations, new manufacturers are manufacturers who have not been involved in the sample tyre procedure in the last 5 years or who have not equipped vehicles in the SPX, SP Pro or SP 9/GT3 classes.

Reference tyres:

- From the 2023 season onwards, tyre manufacturers must submit one reference tyre each to ADAC Nordrhein. This applies to all specifications that the respective tyre manufacturer wishes to use. Tyre specifications that are used in unaltered form on different vehicle types have to be submitted only once.
- Specifications that have been used in the 2022 season must be submitted by the tyre manufacturer to the ADAC Nordrhein during the last NLS event in 2022. Tyre manufacturers who are not present at the last NLS event in 2022 must arrange a date with ADAC Nordrhein in Cologne for the submission of the specifications.
- Tyre manufacturers who have not yet used any or have not used all of the permitted specifications for a vehicle model/axle in 2022 may nominate further specifications. New specifications must be registered with ADAC Nordrhein no later than 1 week before the first use, and the storage of their reference tyres must be arranged.
- Reference tyres must be marked with stickers on the tread. The stickers should contain the following information:
 - o Tyre manufacturer
 - o Specification
 - o Size
 - o Barcode
- Reference tyres remain with ADAC Nordrhein until the end of the 2024 season for the purposes of potential checks. ADAC Nordrhein reserves the right to request the addition or replacement of reference tyres.

b) **Maximum number of specifications per event**

A maximum of **three** different specifications, according to the scheme under c), per vehicle model and axle of the specified tyre brand may be used per event and they must be specified in the Tyre-App (see also Art. I.c).

c) Maximum number of single tyres per event

The following number of tyres per event may not be exceeded:

<i>4h Race</i>	<i>6h Race</i>	<i>Qualifiers</i>	<i>12h Race</i>	<i>24h Race</i>
<i>Total number of tyres (Slicks)</i>				
24	32	48	64	116

d) Brand commitment for tyres

From *NLS-1* up to and including the 24h Race, a maximum of one (1) change of tyre brand per vehicle is permitted. After the 24h Race 2023 it is possible to change the tyre partner any number of times.

e) The following additional regulations apply to the 24h Race:

- As a general rule, the only permitted tyre specifications are those which, in the combination of tyre manufacturer, vehicle model and axle, have demonstrably been used within the framework of an NLS event since 2022, the ADAC 24h Race since 2022 or the ADAC 24h Nürburgring Qualifiers since 2022.
- In principle, a tyre specification is only eligible if: the above-mentioned events have taken place in dry conditions and the tyre specifications have been used for at least 2 consecutive timed laps. In case of doubt, the burden of proof lies with the team.
- It is the organiser's discretion to decide whether the conditions were dry or not.
- In agreement with the DMSB, the organiser reserves the right to grant exceptions to the tyre qualification rule in the event of force majeure.

IV. Registration via Tyre-App

From *NLS-1* onwards, each tyre manufacturer must provide one slick tyre per declared specification as a sample tyre together with the allocation of the tyres to the team and vehicle model (usually by means of the start number) in the Tyre-App. One sample slick tyre will be sealed by the scrutineers and kept with the corresponding tyre manufacturer. Furthermore, the manufacturer must enter the corresponding specifications in the online recording system "Tyre-App" or release them for the corresponding event.

In addition, the respective tyre manufacturer must inform the responsible team manager or his representative about the corresponding specifications that are stored as sample slick tyres. The team concerned must record the allocation of the tyres to the respective start number by means of the online recording system "Tyre-App" provided by ADAC-Nordrhein. Both the use of rain tyres and the recording of tyre damages must be recorded by the team. The recording of tyre damages shall be made via the "Remarks field" within the "Tyre-App" in the entry of the respective stint. The rain tyre specifications are recorded via the specification selection in the "Tyre-App".

Note: The teams themselves are responsible for recording the use of the various tyre specifications in the online recording system "Tyre-App" immediately after the wheel is fitted on the vehicle (at the latest 7 minutes after the vehicle has left the pit lane) in order to allow for an investigation under sports law at any time.

Note: After the total number of tyres to be used has been limited from 2022 onwards, it is necessary to record the tyres individually in the tyre app. Corresponding instructions will be made available at www.24h-information.de.

V. Procedure for the purchase of sample tyres

The sample slick tyres stored at the respective tyre manufacturer can be purchased by another tyre manufacturer - within a fixed period of time at a standard price from the Stewards. Only those tyre manufacturers who participate in the sample tyre procedure for the NLS, the 24h Nürburgring Qualifiers and the 24h Race 2023 and whose tyres have actually been used at the respective event are entitled to purchase such sample tyres.

A manufacturer is entitled to purchase a maximum of 3 sample tyres of different brands/manufacturers; the manufacturer cannot purchase tyres of his own brand.

Example: Manufacturer **A** applies for the purchase of one sample tyre each from **manufacturer X, Y and Z**.

In addition, a tyre manufacturer may exercise its purchase options at a maximum of 2 events per season (max. 3 tyres each time). Any further purchases require the written consent of the DMSB.

The fixed price per sample tyre is set at **500,- € plus 19% VAT**.

1. The DMSB-approved tyre manufacturers must submit their purchase request (including the relevant tyre designation) to the Stewards in writing (DMSB template) no later than 30 minutes after the publication of the provisional results. After expiry of this 30-minute period, the purchase option will expire.

Only competitors of the respective event class (SPX, SP Pro and GT3 cars) are entitled to purchase tyres, whereby a maximum of one (1) tyre per competitor and a total of 3 tyres of different brands may be purchased per event. Each manufacturer has this option for a maximum of 2 events.

The DMSB has the primary right to retain sample tyres stored by the tyre manufacturers and tyres kept at the event free of charge for inspection purposes. The retaining of tyres ex officio by the Stewards has priority over requests by the manufacturers to purchase tyres.

2. After expiry of the aforementioned period, the Stewards will inform the buyer and seller about the further procedure. In case that more than one entity is interested in the same tyre, the selection shall be made by lottery. The lottery will be conducted by the Stewards; there is no right of appeal against the result.

Before the tyres are handed over, the buyer and seller are given the opportunity to check the requested tyre specification. This is done by inspecting the corresponding column of the team documentation list / documentation in the "Tyre App", in order to compare the exact identification/specification used by the team and assigned to the purchase option by the Stewards.

After depositing the purchase price in cash or submitting the written declaration of a "purchase on account" option with the Stewards, an accompanying form ("Appendix 2") will be issued, which must be signed by the buyer and the seller and be presented by the buyer to the Technical Delegate or the Chief Scrutineer upon collection of the purchased sample tyre(s). The collection must take place within 60 minutes after the publication of the results. After the expiry of the 60-minute period, there is no longer any entitlement to a refund or the handing over of the tyres. If the "purchase on account" option is used, the buyer and seller are independently responsible for ensuring that the purchase on account process is handled correctly following the handover of the sample tyres.

3. The seller will receive the deposited purchase price from the Stewards within the 60-minute period, upon presentation of the completely signed accompanying form (Appendix 2).