



APPROVAL PROCESS

FOR EPAC DRIVE UNIT

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INTRODUCTION

Article 1.3.010 bis of the UCI Regulations sets the requirements that every EPAC drive unit must meet to be used in E-Mountain Bike events, in line with article 4.8.001.

This protocol describes the approval process for those drive units. The UCI Regulations ultimately bind the stakeholders who race the equipment, riders, teams and National Federations. The onus is on manufacturers to submit the approval applications, so that the equipment is eligible for use in competition.

The aim of the EPAC discipline is to show both the skill and physical attributes of the rider together with manufacturers' innovation. EPAC systems that apply for UCI competition approval, until further notice, must not advertise, or be measured, as delivering more than 750W maximal mechanical output at the rear wheel.

SCOPE

Any EPAC drive unit intended for use in UCI sanction events will need to comply with the present approval process.

CONFIDENTIALITY

All intellectual property rights relating to plans, drawings, designs, brands, models or other documents submitted to the UCI by the manufacturer shall remain the exclusive property of the manufacturer.

APPROVAL PROCEDURE

Application

The manufacturer of an EPAC drive unit must submit the following documentation to the UCI via the Online Platform available on the Equipment page of the UCI website ([online application](#)):

- a. The signed document *"EPAC Drive Unit Approval Application Form"*. A maximum of one EPAC drive unit can be submitted per application form.
- b. At least the following three pictures of the EPAC drive unit submitted for approval:
 - drive side
 - non-drive side
 - labelling
- c. The signed EPAC drive unit Declaration of Conformity confirming compliance with EN15194.
- d. Laboratory test bench analysis of maximal performance curve dependent on pedal frequency and performance management of shutdown speed documentation.
- e. Software version submitted for approval
- f. The date of commercial availability of the EPAC drive unit

Invoicing

Upon receipt of the application, the UCI will issue an invoice to the manufacturer in the amount of CHF 5'500 per application, to cover the cost of the process.

The UCI will inform the manufacturer once the payment has been received.

Shipping of the EPAC drive unit

Upon confirmation by the UCI of reception of payment, the manufacturer shall send the following to the UCI:

- a. An EPAC Drive Unit, which refers to all mechanical and electronical components which are necessary to transform the electrical energy provided by the battery into mechanical energy delivered to the chainring excluding screws for installation into the bike, chainring, chainring fixation, cable from the battery, cranks, etc.
- b. Two Diagnostic Tools, which shall include associated software, user account and ability to print out a PDF report.

This tool must indicate the following values: wheel circumference value, software version, area specific assist speed/cut-off.

The shipping address is the following:

Union Cycliste Internationale (UCI), Innovation Unit
Allée Ferdi Kübler 12
1860 Aigle
Switzerland
Tel. +41 24 468 58 11

Study of the Application

All EPAC drive units must fulfil the test requirements as defined in the European specifications EN15194.

The UCI will study the application within a 60-day period. The UCI reserves the right to verify compliance on site as per Article 1.3.003 of the UCI Regulations.

The UCI reserves the right to request additional information from the manufacturer during the approval process.

The UCI may check the quality or the characteristics of EPAC drive units put onto the market. The UCI shall have no liability in this respect, the manufacturer alone being responsible for the quality and compliance of EPAC drive units put onto the market.

Rejection of the application

If the application is rejected based on the information provided, the UCI will inform the manufacturer of the required changes to obtain approval. All revised information must be submitted to the UCI for validation within three months from the date the rejection is received. The revision process will not incur any additional fees, provided that the three-month deadline is complied with.

Approval of the application

If the application is approved, the UCI shall issue an approval certificate to the manufacturer.

The name of the approved model and development model ID, together with the manufacturer's name and the date of the approval shall be added to the UCI List of Approved EPAC drive units, available from the UCI website. This list will be updated with the commercially available model name when the new model is approved and compliant with Articles 1.3.010bis and 1.3.006.

The UCI List of Approved EPAC drive units will be updated and can be found at: [Equipment | UCI](#).

The use of an approved EPAC drive unit is permitted in competition from its date of publication in the UCI List of Approved EPAC drive units, as long as it complies with the requirements of article 1.3.006.

Approval shall not constitute certification or endorsement by the UCI of the characteristics of the EPAC drive units. It shall constitute only authorisation for use.

AMENDMENT OF THE APPROVAL

Any functional revisions done by a manufacturer which would change an approved product of any type whatsoever are forbidden without prior agreement from the UCI (software updates or functional hardware changes for example).

Any functional hardware changes made to the approved product must be submitted to a new approval procedure, which is subject to a fee of CHF 5'500.

The UCI shall have discretion to determine whether a change is subject to a new approval procedure or not.

SUSPENSION AND WITHDRAWAL OF THE APPROVAL

Approval may be withdrawn or suspended by the UCI at any time in any of the following cases:

- a. new information reported or coming to light, or experience with the use of the equipment, which justifies the withdrawal or suspension of approval.

- b. evidence comes to light which may reasonably give rise to the belief that units put on the market do not conform with the approved EPAC drive unit, for example, due to modifications to the hardware mechanism or the software.

In such cases, the UCI will initially suspend the approval and inform the manufacturer in writing of the reasons for suspension.

The manufacturer will then be given 30 days to submit any written comments or evidence relating to the grounds notified by the UCI.

Upon receipt of written comments by the manufacturer, the UCI will decide either:

- To lift the suspension of the approval;
- To request specific measures to be taken by the manufacturer for the suspension to be lifted; or
- To withdraw the approval.

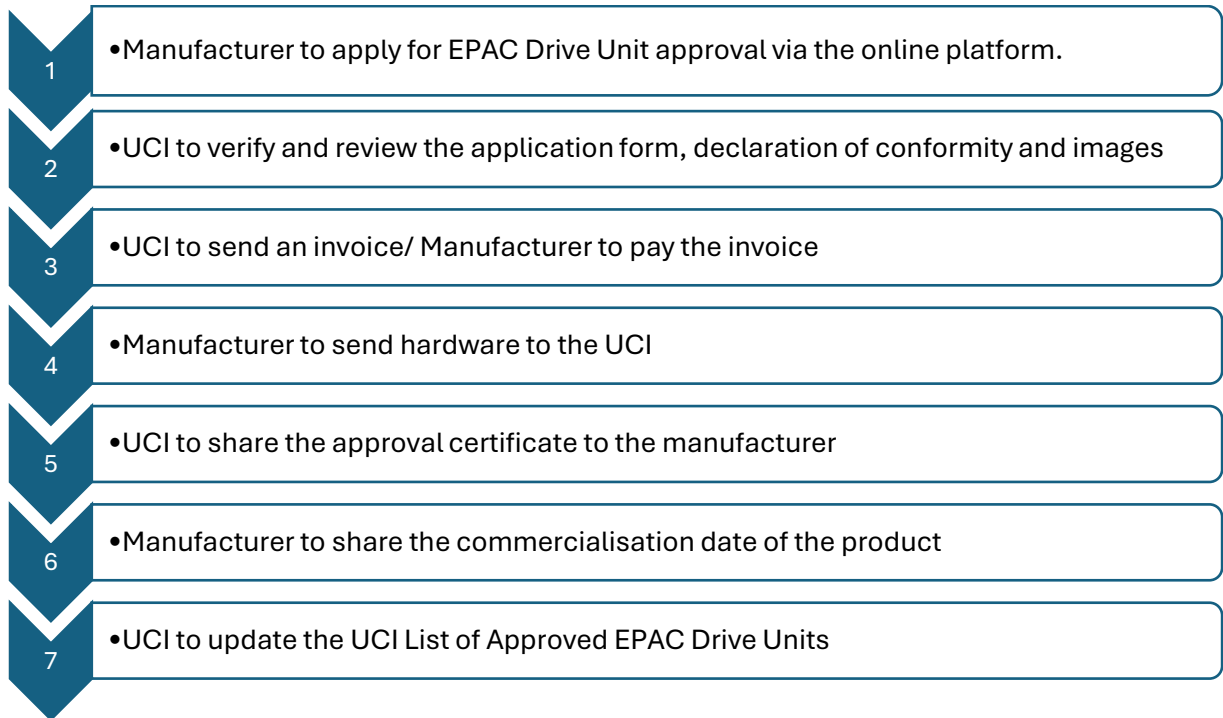
The manufacturer will be informed of the UCI's decision in writing.

CHECKS

According to Article 1.3.002, riders and teams shall be responsible for ensuring that the equipment used in competition complies with the UCI Regulations and this approval protocol.

Commissaires, officials and any other agent appointed by the UCI shall not authorise the use of any EPAC drive units which have not been approved. In case of Commissaires becoming aware of any use of non-approved EPAC drive units during a competition, they shall disqualify the rider(s) concerned. Any such decision by Commissaires, officials or any other agent appointed by the UCI shall not incur any liability.

PROCESS OVERVIEW





UNION CYCLISTE INTERNATIONALE
Sports Department
Allée Ferdi Kübler 12
1860 Aigle
