

	Clarification request	ATU response
1	Bicycle supply. Please confirm whether ATU will supply the bicycle(s) to be mounted on the indoor trainer (and used with the outdoor/independent use trainer), or whether one or more bicycles should be included in the tender. If included, please indicate preferred types(s) and frame size(s) for your participant population. We would prefer not to have to supply a bike	The tenderer is required to supply one bicycle for the indoor cycling simulator setup, suitable for mounting on and use with the proposed indoor trainer. The bicycle should be a standard adult hybrid/fitness-type bicycle, preferably with flat handlebars and a neutral/upright riding position. It should be suitable for a broad range of average adult users (approximately 160–185 cm in height) and should incorporate an easily adjustable saddle height to facilitate use by different research participants. The bicycle and all necessary interfaces/adapters required for compatibility with the proposed indoor trainer should be included within the tendered solution. Tenderers are not required to supply an additional outdoor bicycle. However, all equipment, sensors, mounting hardware, interfaces, and associated components specified in the tender for the outdoor/independent-use system should be included and should be suitable for installation on a standard adult bicycle.
2.	Steering and braking capture. The behavioral data requirements include steering responses, lateral position/lane keeping, and braking responses. Please confirm that capture via commercially available indoor-cycling sensors (for example a Bluetooth steering plate under the front wheel) together with the simulation software is acceptable, and that no bespoke instrumented bicycle or brake-lever sensing hardware is required.	The use of commercially available/off-the-shelf sensing equipment for steering and braking capture is acceptable, provided that the proposed solution meets the behavioural data requirements specified in the tender and can be appropriately integrated with the simulation system. For steering, a commercially available solution such as a Bluetooth-enabled steering plate/sensor positioned beneath or associated with the front wheel would be acceptable, provided that it enables reliable capture of steering input and supports the required assessment of steering behaviour, lateral position and/or lane-keeping performance within the simulation environment. A bespoke instrumented bicycle is not required. Similarly, bespoke brake-lever instrumentation is not specifically required.

3.	Motion platform. Please confirm that a passive rider-driven motion platform providing fore-aft translation and lateral sway (on which the trainer and bicycle are mounted) meets the “motion enabled platform” requirement.	A passive, rider-driven motion platform on which the indoor trainer and bicycle are mounted is acceptable as meeting the “motion-enabled platform” requirement, provided that it supports the required fore-aft translation and lateral sway and is suitable for safe and stable operation within the proposed cycling simulator setup. The platform should be compatible with the proposed bicycle/trainer configuration and meet the relevant requirements specified in the tender.
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