Annex 2.2 - Additional Equipment for Van Vehicle *

NOTE: The interior of the vehicle is separated into the following compartments:

1. FRONT CABIN
2. OFFICE COMPARTMENT
3. DETAINEE COMPARTMENT

1. FRONT CABIN	
Storage	Cavities for storing documents or other equipment.
USB ports	Minimum 1 USB port and 1 USB-C port
Weapon	a place for storing a small weapon (closed with a lockable cover). Locking and unlocking should be possible with a key and/or a PIN code, at the minimum.
Additional supports & controls	Supports for the radio station and special sound alarm speakers, as well as controls for activating the light/acoustic ramp. The console installation layout is coordinated during installation.
Surveillance	Solution for remote surveillance system for the detention compartment. Optionally, remote surveillance for the office compartment and the peripherical areas of the vehicle can be provided.
Mirror type dash camera	The vehicles should also be equipped with an alternative mirror-type dash camera model, with the following specifications: • Display Screen: Minimum 9.35” • Recording Resolution: Minimum 1900 x 1080 • Video Format: MP4, H.264 • Field of View: Minimum 130° • Battery Capacity: Minimum 470 mAh • Parking Surveillance: Requires UP02 adapter • Memory Card Slot: Supports minimum 8 GB • Manufacturer Code: Midrive D07 • Compatible Rear Cameras: RC04 and RC05 models
2. OFFICE COMPARTMENT	
Insulation	Internal thermal and sound insulation (factory or additional, which meets the thermal insulation properties of a layer of Favolon, Armaflex or equivalent material with a thickness of at least 10 mm).
Floor	Thermally and acoustically insulated floor, covered with an anti-slip layer resistant to scratches and moisture.
Coverings	All metal structures and surfaces of the office compartment (walls, ceiling, doors and window pillars, inner side of doors, etc.) are covered with durable panels, made out of easy to clean materials, thick enough (at least 3 mm thick) and strong enough to not break when hit by hands or feet. Plastic trim is made of impact scratch and UV resistant material such as ABS polymer, GRP (glass plastic) or equivalent materials.
Partition	Partition wall between the office compartment and the detention compartment, made of durable material which is easy to clean and strong enough not to break when hit by hands or feet. The side facing the office compartment should be similar to the other walls of the office compartment in design and color, for esthetical reasons.
	It should include an impact-resistant, transparent window. The window should be at least partially openable.
	An independent air-conditioning system shall be installed to serve both the office compartment and the detention compartment. The system must provide both cooling and heating/ventilation functions and be capable of operating autonomously for a minimum of 6 hours without relying on the vehicle's engine.

A/C	• The system shall maintain an interior temperature range of +18 °C to +26 °C.
	• It must function reliably under ambient temperature conditions ranging from -10 °C to +40 °C.
	• The solution must include all necessary components to ensure proper thermal insulation, airflow, and temperature control in both compartments.
Sun protection	Retractable sun shade for the side windows.
Control panel	Control panel for electrical system and power management, situated in the office compartment
Internet	Internet connectivity in the whole vehicle, including Wi-Fi router with SIM-slot.
Hooks	Minimum 4 clothes hooks in the office compartment
Desk	Work desk. The desk may be of modular design to allow flexible use. The table surface must be adjustable to suit various operational needs and scenarios, including a full fold-down position for space optimization. It shall be equipped with: • USB connectors (min. 4x) • Two 220V socket, suitable for powering devices such as a laptop and printer Maximum dimensions of the table surface: • Width: 800 mm • Length: 1000 mm • Height: 700 mm The table surface shall be aesthetically integrated, with materials and coloring harmonized with the rest of the compartment interior.
Hanging Cabinet	A storage cabinet shall be installed on the left side of the vehicle, under the ceiling, directly above the folding table in the office compartment. The cabinet is intended for secure storage of office materials and equipment. • The cabinet must be suspended and securely mounted to the vehicle structure. • Cabinet doors must be lockable or fitted with secure closing mechanisms to prevent accidental opening during vehicle movement. • The design should ensure easy access while seated at the table and must be integrated aesthetically with the rest of the interior furnishings.
Tall Cabinet	A tall cabinet reaching from the floor to the ceiling shall be installed in the office compartment to provide organized vertical storage space. • The cabinet shall be equipped with securely closable doors to prevent unintended opening during transit. • The cabinet must include a dedicated open compartment (without a door) designed to house a printer. Dimensions: Printing: ≈ 40 x 40 x 25 cm, Weight: ≈ 6 kg • The printer compartment must include retaining elements (e.g., adjustable straps, brackets, or a fitted recess) to prevent the printer from falling out or moving during vehicle operation. • The cabinet shall be securely fastened to the vehicle structure and visually integrated with the overall interior design.
Folding seat	A folding seat shall be installed, designed for use only when the vehicle is stationary. The seat must be securely fixed in its folded and unfolded positions to ensure safe transport and ease of use.
	Seat Dimensions: width: 400 mm, length: 400 mm, height: 420 mm (all dimensions ± 5%).
	The office compartment must be equipped with LED ceiling lights that provide uniform illumination across the entire area, ensuring a minimum of 300 lux at desk level. The lighting system should be adjustable, with dimming capability, allowing the user to control the light intensity based on different working conditions. A dedicated LED task light should be installed directly above the work desk, providing optimal lighting for tasks such as reading, writing, or working on devices. This task lighting should be adjustable in intensity to avoid glare and ensure comfortable working

	conditions, with a minimum light intensity of 500 lux above the desk.
Lighting	The lighting system should be controlled through a central switch, situated in the office compartment, with separate controls for the general lighting and desk lighting. A dimmer switch should be available to adjust the intensity of the general lighting. The light color temperature should range from 4000K to 5000K, providing a neutral to cool white light that simulates natural daylight, reducing eye strain during work.
	The lighting system must be powered from the vehicle's electrical system, with energy efficiency as a priority. In the event of an external power failure or engine shutdown, the lighting should be powered from the vehicle's auxiliary battery, ensuring at least 8 hours of functionality. All lighting installations must comply with relevant safety and electrical regulations, and all lights should be securely fixed to prevent loosening or falling during vehicle movement.
12V sockets	Min. 2 sockets 12 V (10 A) for charging the equipment
USB sockets	Min. 2 USB sockets (2A) and 2 USB-C sockets.
	Note: The sockets must be powered by the secondary battery of the vehicle when the ignition is switched off.
Converter/inverter, external charging	A 12 V / 220 V voltage converter (inverter) with a nominal power of 600–800 W must be installed, providing two 220 V sockets. These sockets must remain operational even when the vehicle ignition is turned off, powered by the secondary vehicle battery.
	The secondary battery should be rechargeable from an external 220 V power source, allowing for easy recharging when the vehicle is not in use. The external 220 V connection should power both the recharging of the secondary battery and the dedicated 220 V socket inside the vehicle.
	The system must include a starter lock to prevent the vehicle from starting while it is connected to external power.
Accessibility	All additionally installed technical equipment (e.g., electrical systems, communication units, inverters, network components) must be positioned to allow uncomplicated and safe access for inspection, maintenance, and service. Access panels or compartments must be clearly labeled and, where feasible, allow tool-free entry.
3. DETAINEE COMPARTMENT	
Wall coverings	Walls, ceiling, doors and window pillars, rear doors internal side, etc.) are covered with rigid material, durable, easy to clean, and strong enough not to break when hit by hands or feet.
Compartment Separation and Partitioning	The detainee compartment must be securely separated from the rest of the vehicle by metal partition walls. A full-height, solid metal partition wall must be installed between the rear swing doors and the seating area for detainees to prevent any access to the vehicle doors from within the compartment. Additionally, the window between the office compartment and the detainee compartment must be fitted with a fixed metal grille or protective screen to ensure security and prevent unauthorized communication or object transfer.
Full Enclosure of Detainee Compartment	The top and sides of the detainee compartment must be enclosed in a way that ensures full physical separation from the office area and the vehicle structure, while still allowing for adequate ventilation, visibility (if needed), and compliance with safety regulations. The structure must be securely mounted and made from durable, tamper-resistant materials.
Thermal and Acoustic Insulation	The detainee compartment must be equipped with thermal and acoustic insulation equivalent to that used in the rest of the vehicle. The insulation must ensure temperature stability and noise reduction, contributing to the overall comfort and privacy of the compartment. Materials used must be durable, fire-resistant, and suitable for vehicle interiors.
	A storage box with a pull-out drawer is installed in the detention compartment for

Rear-Accessible Storage Compartment	storing equipment. The drawer is only accessible from the outside of the compartment, after opening the rear swing door of the vehicle, and is located outside the lattice doors. The drawer is locked securely when closed to ensure safety and prevent unauthorized access.
Detainee Seating Configuration and Dimensions	The bench(es) for detainees in the detention compartment should have a height ranging from 380 mm to 440 mm, a depth of 350 mm to 450 mm, and a width of 400 mm up to the entire length of the compartment, depending on the proposed solution. All dimensions are subject to a tolerance of ± 5%. A minimum of one seat and a maximum of two seats should be provided.
Washability and Hygiene Design	The detainee compartment must be designed for thorough cleaning and disinfection using a pressure hose. All surfaces—including floor, walls, benches, and storage elements—must be waterproof, corrosion-resistant, and made from non-absorbent, easy-to-clean materials such as aluminum, coated stainless steel, or high-strength durable plastics (e.g., HDPE or fiberglass-reinforced composites). The compartment must include at least one integrated drainage point with a sealed, corrosion-resistant floor drain to ensure effective water outflow. The construction must prevent water intrusion into adjacent compartments or damage to electrical components. All joints, seams, and connections must be sealed to prevent water accumulation and allow hygienic maintenance.
Video Surveillance System	The vehicle must be equipped with a video monitoring system that allows continuous surveillance of the detention compartment from both the front cabin and the office compartment. The system shall include at least one camera installed in the detention area, connected to monitors installed in the front cabin and the office compartment. The video feed must be live, with clear image quality under both day and night conditions and should function independently of the vehicle's engine status (powered by auxiliary battery). The camera system must be water- and tamper-resistant, securely mounted, and capable of operating in the temperature range present within the vehicle.
Lighting System	The detainee compartment must be equipped with ceiling-mounted LED lighting units, providing a minimum illumination level of 50 lux. These lights must be controllable from the front cabin. In addition, a LED light must be installed in the space between the rear swing doors and the interior metal partition wall. This fixture may be integrated with the general compartment lighting system and must ensure adequate illumination of the exterior area directly behind the vehicle when the rear swing doors are open, facilitating safe and visible access in low-light conditions.
Climate Control System	An integrated air conditioning system (providing both heating and cooling functions) must be installed for the detention compartment. This system may be shared with the adjacent office area, provided that sufficient airflow and temperature regulation are ensured in both compartments. The system must maintain a comfortable and stable environment suitable for occupant safety and must be designed for efficient operation independent of the vehicle engine for a minimum of 6 hours.

** Note: The supplier will develop and consult with UNDP and the beneficiary a technical design, with dimensions and images for the layout of the transformations and retrofitting proposed, which will be approved by UNDP and the beneficiary before the start of retrofitting of vehicles and installation of additional equipment. The technical design will be adjusted as necessary at the request of UNDP and beneficiary before approval.*