

TERMS OF REFERENCE
PHYSICAL ACCESS CONTROL UPGRADE OF THE GENERAL SECRETARIAT BUILDING OF THE
ORGANIZATION OF AMERICAN STATES

The Department of General Services (DGS) of the General Secretariat of the Organization of American States (GS/OAS) seeks to continue its improvement of the Organization's integrated security systems by modernizing the equipment to provide automatization to the physical Access control operations at the General Secretariat Building (GSB).

1. Objective.

The project seeks to upgrade the physical access control operations at the GSB with the installation of modern turnstile technology, improving access control and facilitating an enhanced functional process, allowing for a more receptive staff and guard personnel, free to focus on assisting visitors and guests.

2. Product Description

- **Handrail frame:** steel beam with RoHS anti-corrosion zinc plating treatment and stainless-steel posts. The handrail includes photoelectric cells for user detection and the logic control board.
- **Self-supporting kinematic steel frame** with RoHS anti-corrosion zinc plating treatment. The frame contains the electromechanical drive assembly for the swinging obstacle and the electronic control boards.
- **Electromechanical drive units each consisting of:** A DC permanent magnet motor with epicyclic gearbox; a controller providing progressive accelerations and decelerations of the obstacle; a geared electromagnetic brake for locking of obstacles in the event of forced entry attempts; a sensor controlling the obstacle position; EGRESS standard operating mode; and a Battery backup for automatic opening in case of power failure in egress direction.
- **AS1190 logic control board**, equipped with ARM 9 technology and the Linux operating system ensuring advanced traffic management. An embedded Web server, accessible by a simple web browser, offering an interface for the configuration of functional gate parameters as well as a complete diagnostic and maintenance tool.
- **Transfer of information through an Ethernet interface**, USB and dry contacts: passage authorization, passage information, reader locking, fraud, equipment failure.
- **Orientation and function pictograms** indicating gate and passage status to the user.
- **Proprietary DIRAS detection system**, consisting of a high-density matrix of infrared transmitter/receiver photocells beams. It follows users' progression through the gate as well as ensuring their safety during opening/ closing of the obstacles.
- **Access control equipment** must have the capacity to connect to the existing DSX access control system and equipment now in use by the OAS.
- **Product warranty** of 5 years.

3. Scope of Work.

- 3.1. Evaluation & Design Phase:** Contractor will conduct a survey to confirm actual conditions, location and specification of the existing Physical Access Control system. The diagnostic shall include the design document suitable for the installation of 3 turnstiles, including (but not limited to) the design plans, electrical interconnections, connections to the access control systems, hardware to anchor the units to the floor and the timetable of the project.
- 3.2. Replacement Phase:** Following GS/OAS approval of the Evaluation & Design Phase, contractor shall furnish all equipment, materials and labor required to install three (3) turnstile units following the Product Description included in this TOR's in section 2 above.

- Electrical: perform the electrical interconnections and connections to the power grid align to the design document required in section 3.1 of this TOR's.
- Control Systems: Perform connections to the access control systems align to the design document required in section 3.1 of this TOR's.
- Anchoring: Anchor the equipment with the appropriate hardware for the floor type aligns to the design document required in section 3.1 of this TOR's.

3.3. Connectivity Phase: Equipment must work in conjunction with existing access control system, contractor will effectively ensure connectivity is appropriate and functional as part of the project outcome and requirement, and will work closely with all project members to ensure appropriate working suitability.

3.4. Testing Phase: After installation is complete, check out that the product and test the optimal operation of the three (3) turnstile units. To close the project the contractor shall direct a walkthrough with DGS team to present the final product.

