



CI-0704

TAB 7: TECHNICAL DISCIPLINES Communications

STATIONS AND BUS TERMINALS

PRINCIPLES OF DEVICE PLACEMENT

Devices may be located either in the station building, on the platforms, at access points to platforms (tunnels, pedestrian bridges, walkways, stairs, ramps, etc), as per Tab 4 CI-0401 Station Infrastructure Ticket Vending Machine (TVM) placement guidelines.

General:

- > Placement of devices and way-finding signage is site specific.
- > Devices shall be placed to avoid work within the Structure Clearance Envelope on/or beside Railway Track (refer to Tab 8 Heavy Rail, Section CI-0807 Structure Interface) to reduce the need for flagging.
- > Bus Terminal locations require CQDs and SPOs and TVM's; all fare collecting equipment is located on the bus. For TVM placement, refer to Tab 4 CI-0401 Station Infrastructure Ticket Vending Machine (TVM) placement guidelines.
- > Minimum clearance of 500 mm between two adjacent devices shall be maintained.
- > Devices shall be placed in accessible routes and shall not impede accessible clearances.

SFTP

- > Devices shall be placed at all rail platform access points. Devices shall be placed maximum 75 m apart at locations with direct parking lot to rail platform access.
- > Devices shall be placed along passenger natural flow, at clear and visible locations, and shall be readily accessible by Cardholders for fare payment.
- > Remote locations shall be provided with two (2) devices on different circuits, to provide redundancy in case of power failure.

CQDs

- > Shall be located outside the passenger flow, near TVM and/or Information Board/Digital Station Information Signs. Refer to Tab 4 CI-0401 Station Infrastructure Ticket Vending Machine (TVM) placement guidelines.

Communications Conduits

Conduits designated for Presto equipment data wiring shall be clearly identified and shall be installed well clear of power conduits. Conduit size shall depend on location with a minimum size of 21 mm. Acceptable conduit type as per Design Requirements Manual Tab 7 Section CI-0703 Electrical.

ELECTRICAL CONNECTIVITY AND WIRING

General

Wiring and circuit protection will be sized to suit the total wattage on circuit, to address potential voltage drops, and de-rating requirements for multiple circuits run in the same conduit. The following table