

1 ATG PROPOSAL DETAILS

The typical contents for an ATG proposal include:

1.1 Pedestrian Flow Assessment

- Introduction to the proposal and report.
- Study methodology including:
 - o Passenger levels and proposed growth.
 - o Timetables.
 - o Gate line layout and capacity.
 - o Assessment Criteria.
- Current layout model.
- Proposed model with current capacity.
- Proposed model with expected 5 & 10 year passenger levels.
- Conclusion.

1.2 Pedestrian Flow Assessment Report

- Train loading figures.
- Expected future growth and where the figures come from.
- Train timetables and proposed increases.
- Proposed gating scheme layout.
- The calculation to show the number of gates required (throughput of 25ppm).
- ATG capacity to demonstrate they are capable of coping.
- Figures for a crush loaded train arrival and whether the gate line will cope.
- Current and future capacity for fire evacuation.
- Current and future capacity for crush loaded trains.

1.3 Proposal Submission Document

- Proposal
 - o Background.
 - o Objective.
 - o Safety Case compliance or alteration.
 - o Current Station layout.
 - o Train services, types and operators.
 - o Passenger access points and emergency evacuation points.
 - o Facilities for ticket sales.
 - o Methodology of how the gate line has been designed.
 - o Gate line design.
 - o Arrangements for the gate line control and monitoring.

MANAGED STATIONS MANUAL

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SAFE INSTALLATION AND MANAGEMENT OF AUTOMATIC TICKET GATES

- o Emergency arrangements and manual override.
 - o How excess fares will be managed.
 - o Station vehicle and maintenance vehicle access.
 - o General staffing arrangements
 - o Staffing arrangements for the gate line.
 - o What enabling works will need to be completed.
- Safety Management
 - o General Health & Safety Arrangements.
 - o Gate line capacity, now and future:
 - a) Normal operation.
 - b) Worst case.
 - c) Emergency.
- Incompatible tickets.
- Ticket Gates
 - o Commitment to compliance with all legal requirements from ORR and DfT.
 - o How the gates comply with legislation.
 - o Gate line specification.
 - o Physical design of the gates may be as a separate document.
 - o Performance of the gates at other locations.
 - o Position and number of wide aisle gates.
 - o Durability and maintenance regimes for the gates.
 - o Auxiliary / equipment gates.
 - o Operation for reversible gates.
 - o Physical operation of the gates to prevent traps or nips.
 - o Ticket process and how the gates read tickets.
 - o Use and availability of smart cards.
 - o Clarity of displays.
 - o Key safety features included in the gate line.
 - o Fire arrangements, compatibility and interface with the station alarm system.
 - o Forces required to push through to prevent crush injuries.
 - o Additional station signage.
 - o Changes required to the station emergency arrangements.
 - o Location, type and maintenance of any glazing.
 - o Possibility for remote operation.
 - o Compliance with the relevant group and Network Rail company standards.
 - o Maintenance arrangements.
 - o Station change or minor closure.