

**AERODROME GROUND MOVEMENT
AND AIRCRAFT PARKING CHART - ICAO**

MOSCOW, RUSSIA

DOMODEDOVO

**DOCKING GUIDANCE SYSTEM (SAFEDOCK)
(STANDS 1-21)**

GENERAL

The system is formed by centre line indicators (Azimuth Guidance Unit), approach index and stop position indicator, so as alphanumeric indication, composed of a display unit, control and laser scanner at the top of a pole located at the parking axis extension in the surface of the apron, in front of the cockpit.

The display unit shows the following information types:

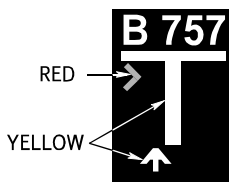
- a) Alphanumeric information: aircraft type, "OK", "STOP", "TOO FAR", "ID FAIL" and "DOWN GRAD".
- b) Indication of activated system: It is shown by mobile yellow arrows.
- c) Indication of aircraft capture: It is shown by a yellow "T", which vertical arm is the docking direction and the horizontal arm is the stop position.
- d) Indication of azimuth: The off-centre respect to the docking direction is shown by a yellow arrow. A flashing red arrow shows the direction to correct.
- e) Indication of distance: The "T" vertical arm is going to be reduced from 12m before the stop position. Each line of leds (light-emitting diode) represents 0.5m approximately.
- f) Indication of stop: The "T" horizontal arm remains at 0.5m to the stop position. When it is just reached, the display unit shows "STOP" and two rectangular groups of red leds will be on.

PILOT INSTRUCTIONS

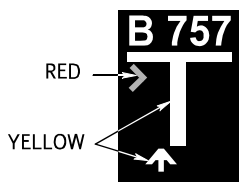
- 1. Check that the correct aircraft type is displayed.
The mobile arrows indicate that the system is activated.



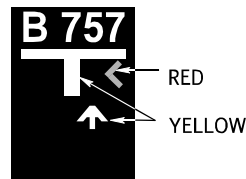
- 2. DOCKING
Follow the leds line. When the "T" centre line indication becomes yellow, the aircraft is caught by the laser and being identified.



- 3. IDENTIFICATION
When the aircraft is at less than 12m from the stop position, the display will show closing rate indicated by turning off one row of centre line indicator leds in front of the arrow for each 0.5m advances into the gate. The images represented as follows show the configuration at different distances from the stop position and at different states of centre in respect to the docking axis.



The ACFT is approximately at 10m from the stop-position. The yellow ACFT symbol indicates ACFT left of centre line and the flashing red arrow shows the turning direction.



The ACFT is approximately at 5m from the stop-position. The yellow ACFT symbol indicates ACFT right of centre line and the flashing red arrow shows the turning direction.