

Chapter 6 - EST Screen Operation

Containing **Description**, **Operational Procedures** and **Submenus** of the EST Screen...

1. General Overview

Used by: ALL CONTROLLERS

General Design



The **Electronic Stand Tool**, also known as "EST" is a view that can be used by all controllers at any time.

It is used to monitor and manage aircraft that are located on stand in Copenhagen.

The purpose of this screen is to take multiple stages of the flight, normally visible on multiple scopes, and arrange it in relation to the stands of Copenhagen Airport.

EST is able to be used for:

- Assigning ATC Clearance
- Managing CDM
- Assigning Pushback and Startup approvals
- Assigning De-Icing
- Provide information on inbounds and stand equipment.

Actions taken on the EST screen are directly coordinated onto the strips themselves.

1. EKCH_DEL, EKCH_B_GND are able to operate exclusively on EST
2. All other position are able to operate EST on a secondary view only

2. Stand overview

An overview of all the stands in Copenhagen are presented, with the aircraft occupying the stand marked as such.

It is possible to monitor Apron North, Apron South and SAS Hangars as well.

In general flights on the EST screen have 5 different colors attributed to their stage of flight.

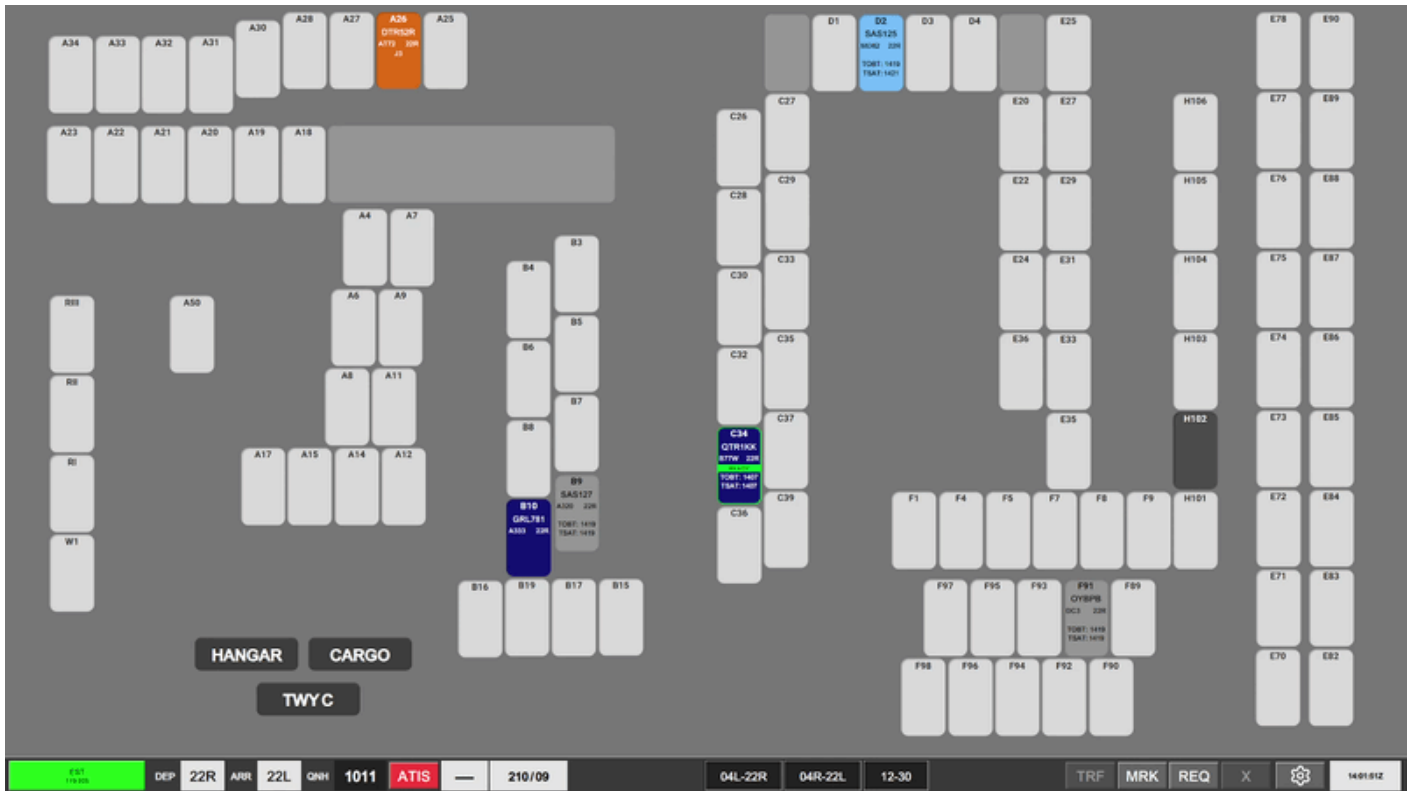
- **Planned Departures or Planned Arrivals:** Dark Gray, CDM information
- **Cleared Departures:** Light blue, CDM information
- **Ready Departures:** Dark blue, CDM information in various colors
- **Released Departures:** Dark blue, No CDM Information
- **Active Pushbacks:** Orange, Release point indicated
- **Arrivals on stand:** Light yellow.



Additional colors on stands that is not attributed to flights

- **Vacant Stand:** Light Gray, empty
- **Occupied Stand:** Light Black, empty

Clicking on any stand will open the menu attributed to that stand. Normally this will be done on a stand containing a flight. The stand menu contains selectable actions as appropriate to the stage of flight, and is:



3. Assigning ATC clearance

Assigning an ATC clearance can be done by selecting the VIEW FPL in the stand menu. This opens the ATC Clearance dialogue which can be used to assign a clearance. Clicking CLD will change the phase of flight, and assign a light blue color to the stand.



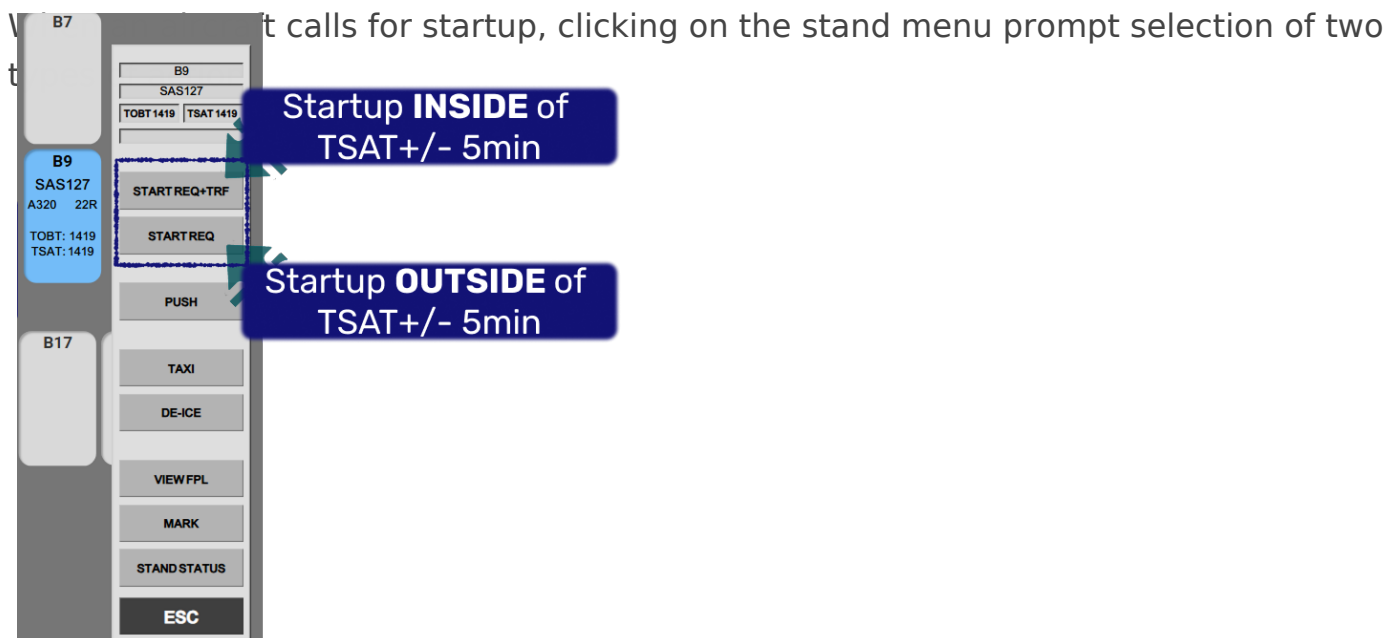
4. Managing CDM

EST Screen is quite easily the most effective way of managing CDM, with an aircraft having received a clearance CDM information is displayed in order of

- TOBT
 - No color code as long as TSAT is valid
- TSAT
 - No color when TSAT window is inactive
 - Turns green when TSAT window is active
 - Turns Yellow last minute before TSAT expires
- CTOT (if applicable).
 - Yellow when assigned
 - Blue when an improvement has been found in response to a RDY MSG

CDM Coloring is **identical** to CDM Coloring in SEQ PLN Scope. Refer to Chapter 5 for more info.

Opening the stand menu is showing the same timings and color codes.



START REQ+TRF performs following actions:

- Marks the aircraft dark blue indicating Startup has been requested
- Removes CDM information indicating startup has been approved
- Transfers strip to APRON DEP for pushback

START REQ + TRF is **not** available to click if aircraft is outside of TSAT window

START REQ performs following actions:

- Marks the aircraft Dark Blue indicating Startup has been requested.
- Sets TOBT to current time, to search for earlier TSAT

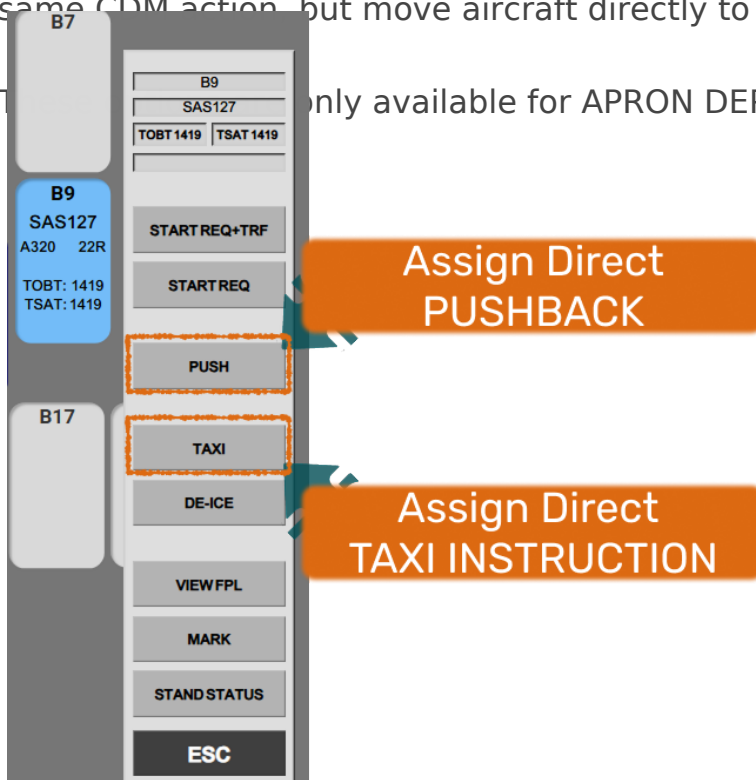
- Sends RDY message to vIFF to try and find earlier CTOT if applicable
- Locks the strip for further delays
- Marks the stand as READY in green and adds a green outline (for controller awareness)

START REQ + TRF becomes available if START REQ resulted in an earlier TSAT inside the window.

5. Assigning Pushback

If using EST screen as **APRON DEP** or **AA+AD**, clicking PUSH or TAXI will perform same CDM action, but move aircraft directly to PUSHBACK bay or TWY DEP bay.

Taxi is only available for APRON DEP or AA+AD, and within TSAT window.



6. Miscellaneous

Assigning DE-ICE information

B7

B9

SAS127

A320 22R

TOBT: 1419

TSAT: 1419

B17

STARTREQ+TRF

STARTREQ

PUSH

TAXI

DE-ICE

VIEWFPL

MARK

STANDSTATUS

ESC

DEICE OPERATOR

SEM PLAT

SAS

ALPHA

ASSIGNED PLATFORM

DE-ICE INDICATION

PLATFORMA

PLATFORMB

PLATFORMV

NODE-ICE

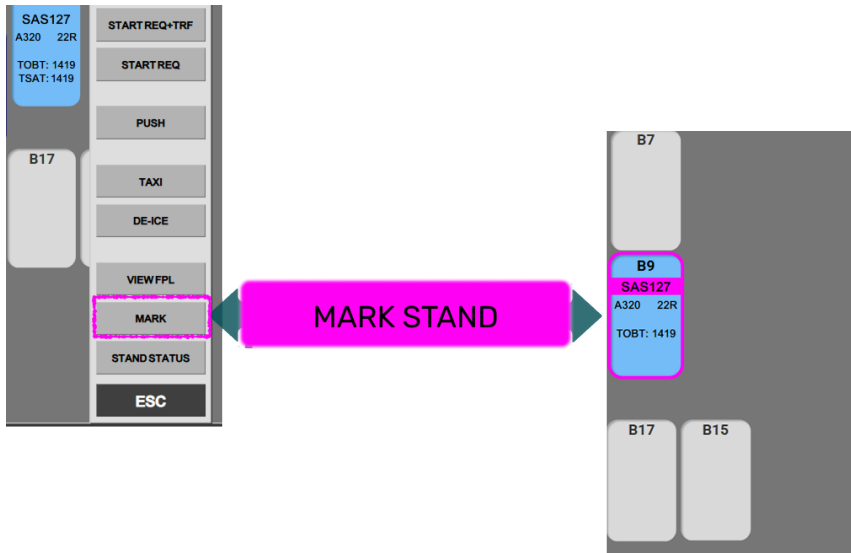
OK

Open DE-ICE Menu

can be used to assign De-Icing information, outside of the standard FPL menu

Mark Stand

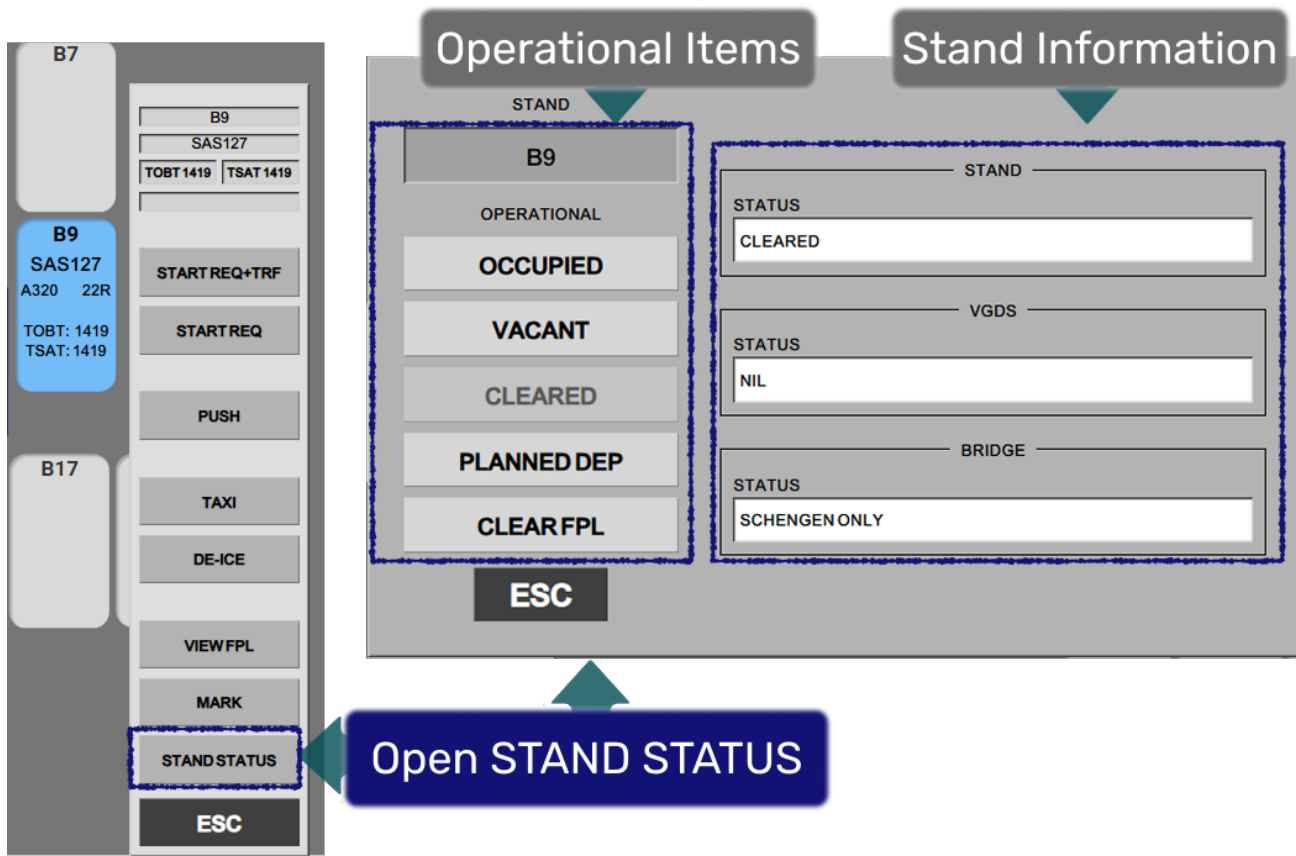
Can be used to mark the stand in case something needs to be remembered.



Stand Status

Stand Status is an administrative feature used to manage and receive information about the utilization of the stand.

Clicking on Stand Status opens the Stand Status menus containing three lines of information and 5 actions.



Stand Information

- **Stand Status:** Information on who is occupying the stand and which inbound may be assigned to it.
- **VGDS Status:** Currently reserved for future use with GSX
- **Bridge Status:** Shows SCHENGEN Information.

Operational Items

- **OCCUPIED:** Restricts the stand from any arrivals, and marks it as occupied
- **VACANT:** Removes any inbound assignment, and marks the stand as vacant for anyone.
- **CLEARED:** Opens the ATC Clearance Dialogue if a PLANNED DEPARTURE is occupying the stand.
- **PLANNED DEP:** Returns the aircraft on that stand back to its Planned Departure stage, essentially resetting it.
 - NOTE: If this action is performed on an empty stand it opens the PLANNED menu to select a departure from the stand.
- **CLEAR FPL:** Completely removes the FPL from the stand.

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