

# User guide & Procedures

## How to Start vACDM

As the first thing when you log on you must activate vACDM to use it

Write **.vacdm master** to activate

```
NAX938 on 118.105 .vacdm master NAX938 (NOR SHUTTLE) (Lukas): B738 I:2000 EKCH==>ENGM at FL330 Route: VEDAR LUNIP ENGM
```

Now you should see something like this in your startup list.

| CALLSIGN | EOBT | TOBT | TSAT | ASRT | ASAT | TTOT | ECFMP | RUNW | ASSR  | STS  | CLR |
|----------|------|------|------|------|------|------|-------|------|-------|------|-----|
| SAS675   | 1115 | 1115 | 1115 |      |      | 1127 |       | 22R  |       |      |     |
| GEC1373  | 1345 | 1345 | 1345 |      |      | 1402 |       | 22R  | A0311 |      | OK  |
| EWG36NM  | 1712 | 1712 | 1712 | 1717 | 1717 | 1721 |       | 22R  | A4513 | PUSH | OK  |
| SAS1621  | 1720 | 1720 | 1720 |      |      | 1740 |       | 22R  | A1775 | PUSH | OK  |
| AUA068   | 1735 | 1735 | 1735 |      |      | 1747 |       | 22R  | A0201 |      |     |
| SAS1616  | 1735 | 1735 | 1735 |      |      | 1755 |       | 22R  | A6211 |      | OK  |
| TRA19N   | 1735 | 1735 | 1735 |      |      | 1748 |       | 22R  | A4556 |      | OK  |
| NSZ3562  | 1745 | 1745 | 1745 |      |      | 1805 |       | 22R  |       |      |     |
| SAS19F   | 1745 | 1745 | 1745 |      |      | 1805 |       | 22R  | A4777 |      | OK  |

Press on the top of the TSAT collumn where it says TSAT! This orders the list after that and makes it easier to manage

EOBT; TOBT; TSAT; ASRT,ASAT,CTOT

### Colors

There are different colors which represents different timings. They may seem complicated but you learn them fast.

- **ORANGE** = Invalid or Expired
- **LIGHT GREEN** = Valid but not Confirmed
  - **TSAT Light Green** means TSAT not yet within the start up window
- **DARK GREEN** = Valid and Confirmed
  - **TSAT Dark Green** means within time and Start Up should be approved.
- **LIGHT YELLOW** = Valid but not Confirmed (More than 5 minutes delay expected)
- **DARK YELLOW** = Valid and Confirmed (More than 5 minutes delay expected)

## Explanations

Here is the start-up list sorted for TSATs. See for each number what is happening

| CALLSIGN | EOBT | TOBT | TSAT | ASRT | ASAT | RUNW | ASSR  | STS  | CLR |
|----------|------|------|------|------|------|------|-------|------|-----|
| GEC1373  | 1345 | 1345 | 1345 |      |      | 22R  | A0311 |      |     |
| BOE7689  | 1510 | 1510 | 1510 |      |      | 22R  |       |      |     |
| RYR24Y   | 1710 | 1740 | 1740 | 1740 | 1740 | 22R  | A0243 | PUSH | OK  |
| PGT41KQ  | 1755 | 1747 | 1748 | 1747 | 1747 | 22R  | A6037 |      | OK  |
| DLH9EW   | 1750 | 1750 | 1750 |      |      | 22R  |       |      |     |
| NSZ3562  | 1745 | 1750 | 1750 | 1751 | 1751 | 22R  | A2175 | PUSH | OK  |
| VKG11    | 1650 | 1750 | 1750 | 1750 | 1750 | 22R  | A4654 |      | OK  |
| UAE9917  | 1735 | 1753 | 1753 | 1752 | 1752 | 22R  | A1074 | PUSH | OK  |
| SAS51P   | 1752 | 1755 | 1755 |      |      | 22R  | A6537 |      | OK  |
| THY39    | 1755 | 1755 | 1755 |      |      | 22R  |       |      |     |
| ETH725   | 1800 | 1750 | 1800 | 1756 |      | 22R  | A1736 |      |     |
| EWG4JH   | 1820 | 1756 | 1800 |      |      | 22R  | A5065 |      | OK  |
| NSZ3518  | 1800 | 1800 | 1800 |      |      | 22R  | A0553 |      | OK  |
| WZZ42LH  | 1805 | 1800 | 1800 |      |      | 22R  | A4574 |      | OK  |
| EJU73UA  | 1800 | 1754 | 1807 |      |      | 22R  | A4661 |      | OK  |
| ALM077A  | 1805 | 1805 | 1818 |      |      | 22R  |       |      |     |
| SAS78DL  | 1800 | 1800 | 1810 |      |      | 22R  | A0507 |      | OK  |
| DLH9WE   | 1825 | 1825 | 1825 |      |      | 22R  |       |      |     |
| SAS839   | 1825 | 1825 | 1825 |      |      | 22R  |       |      |     |

### 1. DLH9EWs TSAT is expired.

- It is marked as **ORANGE**
- He must file a new one via [cdm.vatsim-scandinavia.org](http://cdm.vatsim-scandinavia.org)

### 2. SAS51P has filed EOBT at 1752.

- He has CONFIRMED his TOBT to be 1755 which is why it is **DARK GREEN**.
- His TSAT is 1755, and is within the 5 minute window for startup. He can be approved for startup

### 3. THY39 has filed EOBT at 1755,

- He has NOT confirmed the TOBT, which is why its **LIGHT GREEN**.
  - His TSAT is 1755, and is within the 5 minute window for startup. He can be approved for startup
4. **EWG4JH has filed EOBt at 1820**
- He has CONFIRMED his TOBT for 1756, which is why it is **DARK GREEN**.
  - his TSAT at 1800 is **LIGHT GREEN** because he is NOT yet within his 5 minute window for startup.
  - He must wait until 1755 at the earliest (TSAT-5), OR change his TOBT
5. **EJU73UA has filed EOBt at 1800**
- He has CONFIRMED his TOBT for 1754. which is why it is **DARK YELLOW**.
  - These are **DARK YELLOW** because they are confirmed, but they are providing him with more than 5 minutes delay between his TOBT and TSAT.
6. **SAS78DL has filed EOBt at 1800**
- but has NOT confirmed the TOBT which is why it is **LIGHT YELLOW**
  - These are **LIGHT YELLOW** because they are unconfirmed and are providing him with more than 5 minutes delay between his TOBT and TSAT.
7. **ETH725 has requested startup, but is not yet within 5 minutes of his TSAT.**
- ASRT is marked in **DARK GREEN**, for tactical marker,
  - He must still wait until TSAT turns **DARK GREEN** as well.
8. **VKG11 already had startup approved,**
- ASAT is **DARK GREEN** and all the rest is Grayed out.
  - He is on his way to Apron for Pushback

## Procedures

Following steps are needed while using vACDM. It is not difficult but takes a few minutes to get used to

TOBT does not have to be confirmed for pilot to request pushback. It is only to give a more precise indication

Whether pilot has TOBT confirmed or not does not require anything from you. You can confirm it for him by Left **clicking on the TOBT** and select one of the following from the "*TOBT menu*"

| CALLSIGN | EOBT         | TOBT | TSAT | ASRT | ASAT | TTOT | CTOT | ECFMP | RUNW | ASSR  | STS  | CLR |
|----------|--------------|------|------|------|------|------|------|-------|------|-------|------|-----|
| SAS675   | 1115         | 1115 | 1115 |      |      | 1127 |      |       | 22R  |       |      |     |
| GEC1373  | 1345         | 1345 | 1345 |      |      | 1402 |      |       | 22R  | A0311 |      | OK  |
| EWG36NM  | TOBT menu    | 1712 | 1712 |      |      | 1721 |      |       | 22R  | A4513 | PUSH | OK  |
| SAS1621  | TOBT now     | 1720 | 1720 |      |      | 1740 |      |       | 22R  | A1775 |      | OK  |
|          | TOBT edit    |      |      |      |      |      |      |       |      |       |      |     |
|          | TOBT confirm |      |      |      |      |      |      |       |      |       |      |     |

- TOBT now: Set the TOBT to current time
- TOBT edit: Write the TOBT in yourself
- TOBT confirm: TOBT stays at the time provided but becomes confirmed

If you edit the TOBT the TSAT may get changed to reflect the TOBT as well

## Pilot requests startup



This gives you Three options depending on the color of the TOBT & TSAT. These three scenarios will guide you to what to do

### Scenario 1: DARK GREEN TSAT

**SAS51P**      **1752**      **1755**      **1755**

**Call has correctly be made within TOBT +/-5 and TSAT is within the window for startup.**

Left click on TSAT to Assign Start-up and observe ASAT time being activated and rest of "line" grayed out.

|        |      |      |      |      |      |
|--------|------|------|------|------|------|
| SAS51P | 1752 | 1755 | 1755 | 1752 | 1752 |
|--------|------|------|------|------|------|

Scenario 2: YELLOW TOBT (dark/light), LIGHT GREEN TOBT

|          |      |      |      |      |  |
|----------|------|------|------|------|--|
| 0 F S    |      |      |      |      |  |
| CALLSIGN | EOBT | TOBT | TSAT | ASRT |  |
| ALM077A  | 1805 | 1805 | 1818 |      |  |

Pilot has called (probably) within his TOBT time but a delay is expected due to traffic congestion.

Click on **ASRT** to mark he has requested start up, and wait until pilot is within his TSAT window

|          |      |      |      |      |              |
|----------|------|------|------|------|--------------|
| 0 F S    |      |      |      |      | Startup List |
| CALLSIGN | EOBT | TOBT | TSAT | ASRT | ASAT         |
| ALM077A  | 1805 | 1805 | 1818 | 1752 |              |

Scenario 3 Green TOBT (dark/light), LIGHT GREEN TSAT

|          |      |      |      |      |              |
|----------|------|------|------|------|--------------|
| 0 F S    |      |      |      |      | Startup List |
| CALLSIGN | EOBT | TOBT | TSAT | ASRT | ASAT         |
| SAS839   | 1825 | 1825 | 1825 |      |              |

Pilot has called before his TOBT. Set TOBT to "now" by either:

- **RIGHT** click on the TOBT time to automatically do this
- **LEFT** click on the TOBT time and select it through the TOBT menu

Doing this will result in one of two scenarios

- TOBT becomes DARK GREEN, and TSAT becomes Dark Green because a TSAT within the new TOBT time is found.

- **See Scenario 1**

- | CALLSIGN | EOBT | TOBT | TSAT | ASRT |
|----------|------|------|------|------|
| SAS839   | 1800 | 1800 | 1802 |      |

- TOBT becomes YELLOW and TSAT remains LIGHT GREEN. A delay can be expected.

- **See Scenario 2**

- | CALLSIGN | EOBT | TOBT | TSAT | ASRT |
|----------|------|------|------|------|
| SAS839   | 1800 | 1800 | 1825 |      |

Once start-up is approved, hand over to apron and that is done.

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