

## **D21 TRACON Departure Procedures**

This document outlines what Departure Procedures D21 has, and how to utilize them. We need all pilots filing out of the D21 TRACON to operate on these procedures.

### **Contents**

- 1.0) KDTW Departure Procedures (DPs)
    - 1.1) Initial Departure Fixes
    - 1.2) Altitudes
    - 1.3) How to File Correctly
  - 2.0) D21 Satellite Airports – Departure Procedures (DPs)
    - 2.1) KARB – Ann Arbor
    - 2.2) KDET – Detroit City
    - 2.3) KPTK – Pontiac-Oakland
    - 2.4) KYIP – Willow Run
    - 2.5) CYQG - Windsor
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### **1.0) KDTW Departure Procedures (DPs)**

1.0a) This section describes the eight Departure Procedures for KDTW.

1.0b) KDTW Departure Procedures are “Vector Departures,” which means that upon takeoff, pilots will receive further vectors to their filed departure fix. Pilots may or may not be issued a takeoff heading from Tower, but in any case, Tower-issued headings are NOT the vectors to your fix. Only the vectors issued by a Departure Controller (APP/DEP/CTR) are vectors to your waypoint.

1.0c) If there is no Departure Controller online, pilots will need to navigate to the waypoint on their own; Tower cannot provide any services after takeoff.

1.0d) There are eight DPs for KDTW, each one having several fixes for each direction of flight:

- PALACE2 – West/Northwest
- STCLAIR2 – North/Northeast
- ERRTH1 – East
- MAARS1 – Southeast
- MOONN1 – East/Northeast
- RICHMOND1 – South/Southwest
- ROSEWOOD1 – South/Southeast
- FORTWAYNE1 – Southwest

#### **1.1) Initial Departure Fixes**

- 1.1a) The PALACE2 Departure has four initial waypoints on it:
- ANNTS (Departing South/Southwest)
  - HARWL (Departing Southwest/West)
  - DUNKS (Departing West)
  - LAYNE (Departing Northwest)

1.1b) The STCLAIR2 Departure has one initial waypoint on it:  
-PISTN (Departing Northeast/Europe)

1.1c) The ERRTH1 Departure has one initial waypoint on it:  
-OCTAS (Departing East)

1.1d) The MAARS1 Departure has one initial waypoint on it:  
-MAARS (Departing Southeast)

1.1e) The MOONN1 Departure has one initial waypoint on it:  
-MOONN (Departing East/Northeast)

1.1f) The RICHMOND1 Departure has one initial waypoint on it:  
-CAVVS (Departing South/Southwest)

1.1g) The ROSEWOOD1 Departure has one initial waypoint on it:  
-SCORR (Departing South/Southeast)

1.1h) The FORTWAYNE1 Departure has one initial waypoint on it:  
-ANNTS (Departing Southwest)

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1.2) Altitudes

1.2a) KDTW Jet departures shall maintain 10,000' on departure, then climb to the 13,000' airspace ceiling issued by Departure.  
-If the Departure Controller is Center, expect immediate climb to cruise.  
-If there is no Departure Controller (APP/DEP/CTR), you may climb straight to your cruise at your discretion.

1.2b) KDTW Prop departures shall maintain 4,000' on departure, then climb to the 13,000' airspace ceiling issued by Departure.  
-If the Departure Controller is Center, expect immediate climb to cruise.  
-If there is no Departure Controller (APP/DEP/CTR), you may climb straight to your cruise at your discretion.

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1.3) How to File

1.3a) To file correctly, all pilots should put the SID and transition in their flightplan.

Example Route (KDTW-KJFK): "MOONN1 JHW J70 LVZ LENDY5"  
Incorrect (KDTW-KJFK): "JHW J70 LVZ LENDY5"  
Incorrect (KDTW-KORD): "MOONN1 J70 LVZ LENDY5"

1.3b) When filing the PALACE2, pilots should include the initial waypoint.

Example Route (KDTW-KJFK): "DUNKS J70 PMM.PMM4"  
Incorrect (KDTW-KORD): "PALACE2 J70 PMM.PMM4"  
Incorrect (KDTW-KORD): "LAN GIJ ORD"

1.3c) All departures to Europe or Africa should file to depart via STCLAIR2.PISTN or MOONN1. All other initial waypoints (such as FNT or ECK) are unacceptable.

1.3d) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

1.3e) If ever you have any questions about the KDTW Departure Procedures, feel free to ask the controllers for assistance. During a fly-in, it is preferred you ask the Delivery controller, as everyone else would probably be too busy to assist you.

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## **2.0) D21 Satellite Airport Departure Procedures (DPs)**

2.0a) The Satellite Airports in D21 airspace all utilize different DPs, although these DPs have the same Departure Fixes as the KDTW DPs have on them.

### **2.1) KARB – Ann Arbor**

2.1a) Ann Arbor is the only airport in D21 that does not utilize its own DP. It uses the Willow Run Three DP (YIP3).

2.1b) The following fixes are available on the YIP3 departure:

- ANNTS (Departing South/Southwest)
- HARWL (Departing Southwest/West)
- DUNKS (Departing West)
- LAYNE (Departing Northwest)
- CAVVS (Departing South/Southwest)
- SCORR (Departing South/Southeast)
- MOONN (Departing East/Northeast)
- MAARS (Departing Southeast)
- OCTAS (Departing East)
- PISTN (Departing Northeast/Europe)

2.1c) All departures from KARB will be issued an initial altitude of 3,000'

2.1d) All departures to Europe or Africa should file to depart via PISTN or MOONN. All other initial waypoints (such as FNT or ECK) are unacceptable.

2.1e) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

2.1f) If you will be departing to another D21 Satellite airport, or to KDTW, expect a vectored route, with no waypoints.

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### **2.2) KDET – Detroit City**

2.2a) Detroit City utilizes the MOTOWN9 Departure.

2.2b) The following fixes are available on the MOTOWN9 departure:

- ANNTS (Departing South/Southwest)
- HARWL (Departing Southwest/West)
- DUNKS (Departing West)
- LAYNE (Departing Northwest)
- CAVVS (Departing South/Southwest)
- SCORR (Departing South/Southeast)
- MOONN (Departing East/Northeast)
- MAARS (Departing Southeast)
- OCTAS (Departing East)
- PISTN (Departing Northeast/Europe)

2.2c) All departures from KDET will be issued an initial altitude of 3,000'

2.2d) All departures to Europe or Africa should file to depart via PISTN or MOONN. All other initial waypoints (such as FNT or ECK) are unacceptable.

2.2e) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

2.2f) If you will be departing to another D21 Satellite airport, or to KDTW, expect a vectored route, with no waypoints.

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### 2.3) KPTK – Pontiac/Oakland Int'l

2.3a) Pontiac utilizes the PONTIAC8 Departure, or PTK8.

2.3b) The following fixes are available on the PTK8 departure:

- ANNTS (Departing South/Southwest)
- HARWL (Departing Southwest/West)
- DUNKS (Departing West)
- LAYNE (Departing Northwest)
- CAVVS (Departing South/Southwest)
- SCORR (Departing South/Southeast)
- MOONN (Departing East/Northeast)
- MAARS (Departing Southeast)
- OCTAS (Departing East)
- PISTN (Departing Northeast/Europe)

2.3c) All departures from KPTK will be issued an initial altitude of 3,000'

2.3d) All departures to Europe or Africa should file to depart via PISTN or MOONN. All other initial waypoints (such as FNT or ECK) are unacceptable.

2.3e) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

2.3f) If you will be departing to another D21 Satellite airport, or to KDTW, expect a vectored route, with no waypoints.

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#### 2.4) KYIP – Willow Run

2.4a) Willow Run utilizes the Willow Run Three Departure, or YIP3.

2.4b) The following fixes are available on the YIP3 departure:

- ANNTS (Departing South/Southwest)
- HARWL (Departing Southwest/West)
- DUNKS (Departing West)
- LAYNE (Departing Northwest)
- CAVVS (Departing South/Southwest)
- SCORR (Departing South/Southeast)
- MOONN (Departing East/Northeast)
- MAARS (Departing Southeast)
- OCTAS (Departing East)
- PISTN (Departing Northeast/Europe)

2.4c) All departures from KYIP will be issued an initial altitude of 3,000'

2.4d) All departures to Europe or Africa should file to depart via PISTN or MOONN. All other initial waypoints (such as FNT or ECK) are unacceptable.

2.4e) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

2.4f) If you will be departing to another D21 Satellite airport, or to KDTW, expect a vectored route, with no waypoints.

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#### 2.5) CYQG – Windsor

2.3a) Windsor utilizes the Windsor Two Departure, or YQG2.

2.3b) The following fixes are available on the YQG2 departure:

- ANNTS (Departing South/Southwest)
- HARWL (Departing Southwest/West)
- DUNKS (Departing West)
- LAYNE (Departing Northwest)
- CAVVS (Departing South/Southwest)
- SCORR (Departing South/Southeast)
- MOONN (Departing East/Northeast)
- MAARS (Departing Southeast)
- OCTAS (Departing East)
- PISTN (Departing Northeast/Europe)

2.3c) All departures from CYQG will be issued an initial altitude of 3,000'

2.3d) All departures to Europe or Africa should file to depart via PISTN or MOONN. All other initial waypoints (such as FNT or ECK) are unacceptable.

2.3e) All departures to Hawaii, Australia, or East Asia should file via LAYNE, DUNKS, or HARWL. All other initial waypoints are unacceptable.

2.3f) If you will be departing to another D21 Satellite airport, or to KDTW, expect a vectored route, with no waypoints.