

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/FIX/NAVAID	(d) To RNAV WP/FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
LONDON	YXU.SWWAN2	YXU VOR/DME	AXXIS/38.82 DME PICES/48.28 DME SWWAN/27.00	259.60/38.82 (YXU R-260) 259.60/9.46 (YXU R-260) 268.03/32.74 (PSI R-088)	10000 10000 4000	3000 2600 2600	FL240	
AXXIS	AXXIS.SWWAN2	AXXIS	PICES/48.28 DME SWWAN/27.00	259.60/9.46 (YXU R-260) 268.03/32.74 (PSI R-088)	10000 4000	2600 2600	FL240	

(2) Arrival Route Description:

FROM SWWAN ON PSI R-088.03/27.00 (MEA 4000/MOCA 2500) TO PSI VORTAC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE FROM DETROIT APPROACH CONTROL.

(3) Procedural Data Notes:

NOTE: DME REQUIRED.
NOTE: RADAR REQUIRED.

(4) Fixes and/or Holding Patterns:

CHART HOLDING AT: SWWAN INT, HOLD E, RT, 268.03 INBOUND.

(5) Communications:

DETROIT APPROACH CONTROL, PONTIAC ATIS.

(6) Arrival Name SWWAN	(7) Number TWO	(8) STAR Computer Code SWWAN.SWWAN2	(9) Superseded Nr. ONE	(10) Dated 17 DEC 2009	(11) Effective Date 13 NOV 2014
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FAA Form 7100-4 (7/02)

(6) Arrival Name SWWAN	(7) Number TWO	(8) STAR Computer Code SWWAN.SWWAN2	(9) Superseded Nr. ONE	(10) Dated 17 DEC 2009	(11) Effective Date 13 NOV 2014
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(16) Continuation:**(17) Changes:**

1. REMOVED ALL REFERENCE TO PECK (ECK) VORTAC.
2. ADD DME REQUIRED NOTE.
3. CHANGED COURSE OF YXU TO AXXIS TO PICES FROM 259.61 TO 259.60.
4. AXXIS TRANSITION ADDED.
5. UPDATE ARRIVAL ROUTE DESCRIPTION TO ADD PSI VORTAC AND MEA/MOCA.
6. LONDON (YXU) CHANGED FROM A VORTAC TO A VOR/DME.
7. ADD MOCA'S

(18) Reasons for Changes:

1. PECK (ECK) VORTAC DECOMMISSION.
2. PROCEDURE NOW REQUIRES AIRCRAFT TO UTILIZE DME OVER SWWAN, PICES AND AXXIS INT'S.
3. COURSE CHANGE.
4. TORONTO CENTER AIRSPACE REDESIGN REQUIRES AN AXXIS TRANSITION.
5. ATC REQUEST.
6. NEW NAVAID DESIGNATION.
7. REQUIREMENT.

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SWWAN	TWO	SWWAN.SWWAN2	ONE	17 DEC 2009	13 NOV 2014

STAR (Data Record)

[illegible]

(11) Arrival Name SWWAN	(12) Number TWO	(13) STAR Computer Code SWWAN.SWWAN2	(14) Superseded Nr. ONE	(15) Dated 17 DEC 2009	(16) Effective Date 13 NOV 2014
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Federal Aviation Administration**
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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AXXIS	AXXIS	010		IF		FB					
	AXXIS	PICES	020		TF		FB					
	AXXIS	SWWAN	030		TF		FB					
	YXU	YXU	010		IF		FB					
	YXU	AXXIS	020		TF		FB					
	YXU	PICES	030		TF		FB					
	YXU	SWWAN	040		TF		FB					
	ALL	SWWAN	010		IF		FB					
	ALL	PSI	020		TF		FO					
	ALL	PSI	030		FM		FB		268.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	YXU	N430216.48	W0810856.15	N4302.275	W08108.936
	AXXIS	N424950.11	W0815900.17	N4249.835	W08159.003
	PICES	N424644.90	W0821108.99	N4246.748	W08211.150
	PSI	N424203.09	W0833157.98	N4242.052	W08331.966
	SWWAN	N424417.66	W0825527.85	N4244.294	W08255.464
	RW13	N423800.93	W0835922.49	N4238.016	W08359.375
	RW31	N423730.95	W0835829.30	N4237.516	W08358.488

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00962	48
	RW31	00943	40

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	AXXIS	PICES	020		TF		FB					
	AXXIS	SWWAN	030		TF		FB					
	YXU	YXU	010		IF		FB					
	YXU	AXXIS	020		TF		FB					
	YXU	PICES	030		TF		FB					
	YXU	SWWAN	040		TF		FB					
	ALL	SWWAN	010		IF		FB					
	ALL	PSI	020		TF		FO					
	ALL	PSI	030		FM		FB		268.0()			

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	AXXIS	N424950.11	W0815900.17	N4249.835	W08159.003
	PICES	N424644.90	W0821108.99	N4246.748	W08211.150
	PSI	N424203.09	W0833157.98	N4242.052	W08331.966
	SWWAN	N424417.66	W0825527.85	N4244.294	W08255.464
	RW09L	N423958.06	W0832603.84	N4239.968	W08326.064
	RW09R	N423952.61	W0832603.53	N4239.877	W08326.059
	RW18	N424002.13	W0832433.12	N4240.036	W08324.552
	RW27L	N423955.26	W0832436.33	N4239.921	W08324.606
	RW27R	N424000.34	W0832447.94	N4240.006	W08324.799
	RW36	N423943.24	W0832429.39	N4239.721	W08324.490

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW09L	00974	40
	RW09R	00980	45
	RW18	00973	50
	RW27L	00972	47
	RW27R	00973	51
	RW36	00969	30

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Page 8 of 12

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Federal Aviation Administration**
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	AXXIS	SWWAN	030		TF		FB					
	YXU	YXU	010		IF		FB					
	YXU	AXXIS	020		TF		FB					
	YXU	PICES	030		TF		FB					
	YXU	SWWAN	040		TF		FB					
	ALL	SWWAN	010		IF		FB					
	ALL	PSI	020		TF		FO					
	ALL	PSI	030		FM		FB		268.0()			

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	PSI	N424203.09	W0833157.98	N4242.052	W08331.966
	SWWAN	N424417.66	W0825527.85	N4244.294	W08255.464
	RW09	N423234.56	W0831104.14	N4232.576	W08311.069
	RW27	N423234.73	W0831016.73	N4232.579	W08310.279

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW09	00727	40
	RW27	00701	30

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	YXU	YXU	010		IF		FB					
	YXU	AXXIS	020		TF		FB					
	YXU	PICES	030		TF		FB					
	YXU	SWWAN	040		TF		FB					
	ALL	SWWAN	010		IF		FB					
	ALL	PSI	020		TF		FO					
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	PICES	N424644.90	W0821108.99	N4246.748	W08211.150
	PSI	N424203.09	W0833157.98	N4242.052	W08331.966
	SWWAN	N424417.66	W0825527.85	N4244.294	W08255.464
	RW08	N423010.31	W0833729.11	N4230.172	W08337.485
	RW26	N423013.46	W0833716.49	N4230.224	W08337.275

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00924	20
	RW26	00925	19

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