

# OBSTRUCTION DATA SHEET

**ODS 5256  
NORTH CENTRAL STATE AIRPORT  
PAWTUCKET, RHODE ISLAND**

**DIGITIZED FROM**

**OC 5256  
SURVEYED 2 JUNE 1992  
2ND EDITION**

**HORIZONTAL DATUM NAD83  
VERTICAL DATUM NGVD29**



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## OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA No. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS and the OC depict a representation of objects that existed at the time of the OC field survey.

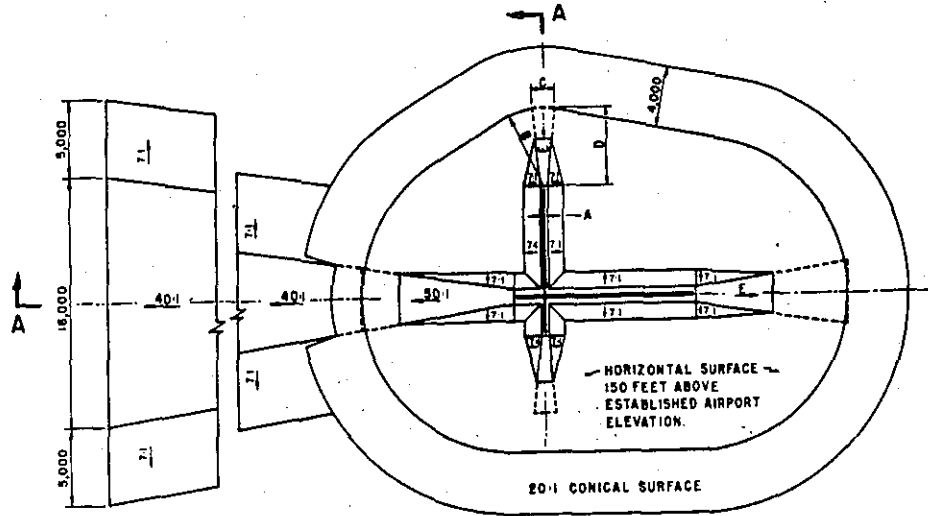
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

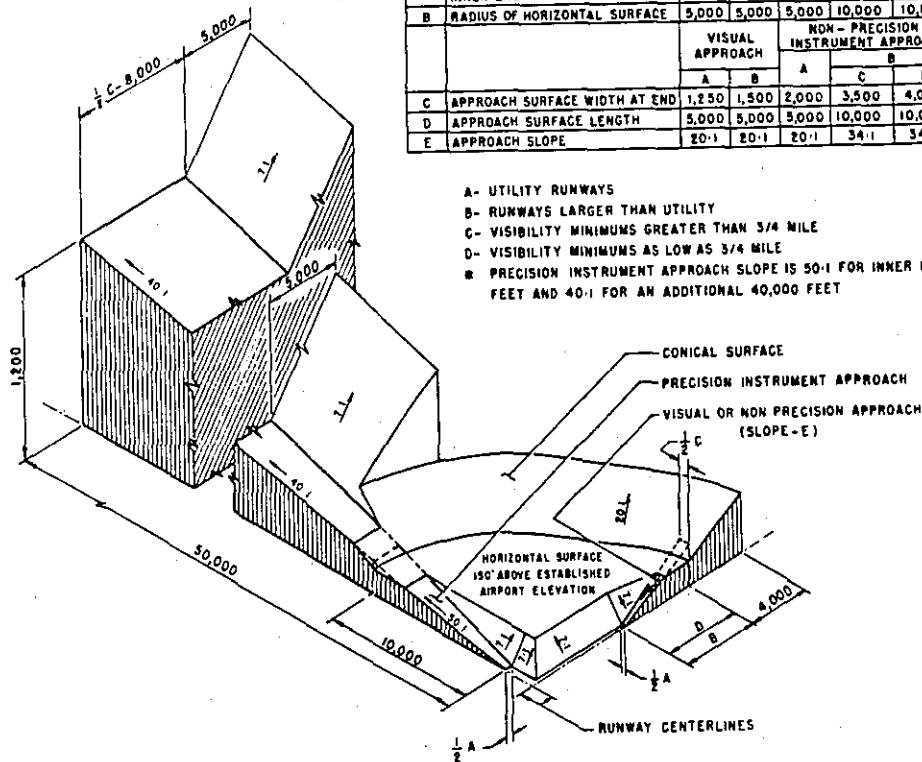
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

A(V) ..... Utility runway - visual approach only  
A(NP) .... Utility runway - nonprecision instrument approach  
B(V) ..... Nonutility runway - visual approach only  
C ..... Nonutility runway - nonprecision instrument  
approach with visibility minimums greater than  
3/4 mile  
D ..... Nonutility runway- nonprecision instrument approach  
with visibility minimums as low as 3/4 mile  
PIR ..... Precision instrument runway  
SUPLC .... Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	C	D	
D	APPROACH SURFACE LENGTH	1,250	1,500	2,000	3,500	4,000	15,000
E	APPROACH SURFACE SLOPE	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- \* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT  
IMAGINARY SURFACES

# ANNOTATION OF ODS DATA FORMAT

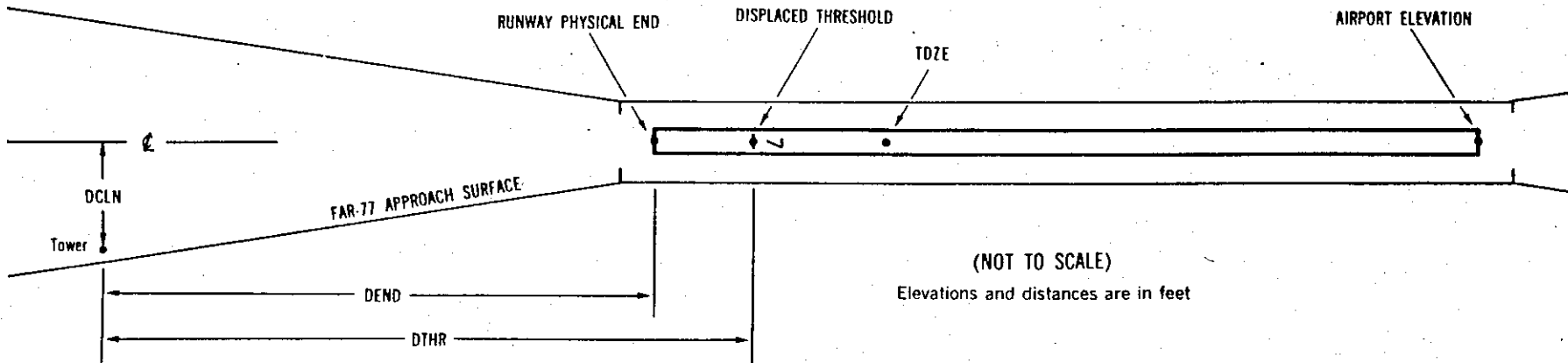
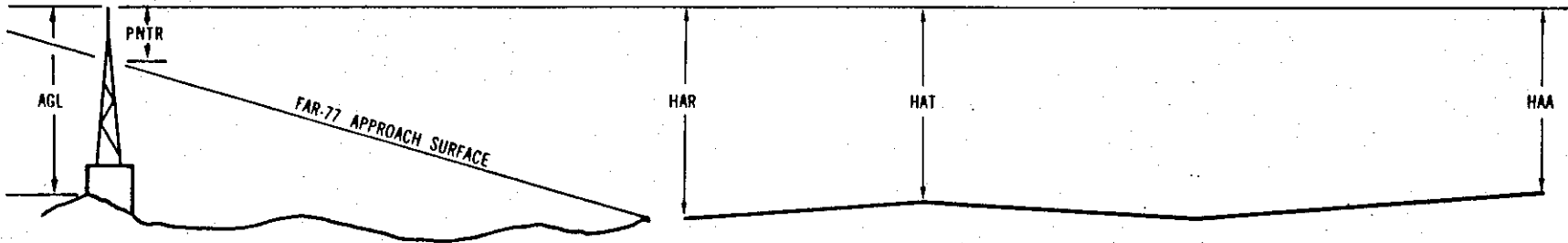
OC XXXX

AIRPORT ELEVATION XXXX

x<sup>1</sup> x<sup>2</sup> XXXX/XXXX<sup>3</sup> XXXXXX.XXX<sup>4</sup> XXXXXXXX.XXX<sup>4</sup> XXXXXXXX<sup>5</sup> XXXX/XXXX<sup>6</sup> XXXXXX.XXX<sup>7</sup> XXXXXXXX.XXX<sup>7</sup>

OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

\*\*\*\*\*



(NOT TO SCALE)

Elevations and distances are in feet

## EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary areas of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed).
- 3 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displace threshold
- 8 Accuracy codes:           Horizontal           Vertical  
                           1 = 20                A = 2  
                           2 = 40                B = 5  
   C = 20
- 9 Elevation above mean sea level (MSL) at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport  
 HAR - Height above approach end of reference runway  
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway  
 DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displace threshold  
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft
- A negative value for DEND or DTHR indicates that object is in primary on roll-out side of zero distance point.
- 13 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC5256

AIRPORT ELEVATION 440

15 AV 426/ 439 415517.369 -712945.173 1393440.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	415519.80	-712949.48	1A	451		25	12	11	398		89R	15
TREE	415522.09	-712948.45	1A	454		28	15	14	524		121L	12
TREE	415521.88	-712952.21	1A	464		38	25	24	692		109R	14
TREE	415525.59	-712955.25	1A	473		47	34	33	1127		40R	1
TREE	415528.03	-712954.52	1A	479		53	40	39	1279		162L	-1
TREE	415526.23	-712957.40	1A	476		50	37	36	1282		122R	-4

33 AV 440/ 441 415453.226 -712917.643 3193458.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	415448.84	-712914.88	1A	468		28	27	28	473		129L	14
TREE	415450.25	-712912.06	1A	462		22	21	22	503		126R	6
TREE	415439.01	-712905.36	1A	521		81	80	81	1697		226L	6
TREE	415437.96	-712904.83	1A	527		87	86	87	1805		265L	6

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AIRPORT ELEVATION 440

5 C 419/ 429 415459.888 -712944.967 320402.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	415541.39	-712906.50	1A	434		15	5	-6	-5104		233R	14
WINDSOCK	415540.54	-712907.24	1A	426		7	-3	-14	-5001		232R	6
BUSH	415541.83	-712913.63	1A	425		6	-4	-15	-4855		247L	5
BUSH	415539.70	-712915.35	1A	426		7	-3	-14	-4604		242L	5
BUSH	415534.78	-712919.49	1A	429		10	0	-11	-4016		243L	6
TREE	415509.15	-712941.07	1A	444		25	15	4	-951		248L	18
TREE	415504.81	-712944.72	1A	447		28	18	7	-432		249L	24
TREE	415501.27	-712947.70	1A	427		8	-2	-13	-9		249L	7
TREE	415452.46	-712947.13	1A	440		21	11	0	724		261R	5
TREE	415454.32	-712954.58	1A	438		19	9	-2	863		317L	-1
TREE	415450.24	-712949.15	1A	448		29	19	8	995		251R	5
TREE	415453.15	-712955.80	1A	442		23	13	2	1013		332L	-1
TREE	415442.56	-712957.01	1A	453		34	24	13	1970		160R	-18

23 C 420/ 429 415541.742 -712909.851 2120426.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	415501.27	-712947.70	1A	427		7	-2	-13	-4991		249R	7
TREE	415504.81	-712944.72	1A	447		27	18	7	-4567		249R	24
TREE	415509.15	-712941.07	1A	444		24	15	4	-4048		248R	18
BUSH	415534.78	-712919.49	1A	429		9	0	-11	-984		243R	6
BUSH	415539.70	-712915.35	1A	426		6	-3	-14	-395		242R	5
BUSH	415541.83	-712913.63	1A	425		5	-4	-15	-144		247R	5
WINDSOCK	415540.54	-712907.24	1A	426		6	-3	-14	2		232L	6
TREE	415541.39	-712906.50	1A	434		14	5	-6	104		233L	14
OL ON LOCALIZER AT DME	415544.28	-712907.72	1A	422		2	-7	-18	303		OR	-1
TREE	415547.10	-712908.33	1A	429		9	0	-11	521		190R	0
TREE	415552.78	-712902.31	1A	432		12	3	-8	1249		110R	-18



OC5256

AIRPORT ELEVATION 440

ARP 415514.748 -712928.973

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	415518.05	-712934.34	1A	454		14	32456	526
HANGAR	415512.47	-712921.97	1A	468		28	12857	578
ANT ON OL AIRPORT BEACON	415509.53	-712924.06	1A	494		54	16015	646
TREE	415521.06	-712931.75	1A	466		26	35712	673
FLOODLIGHT	415507.40	-712925.64	1A	466		26	17640	785
TREE	415523.30	-712929.81	1A	465		25	1113	868
TREE	415520.61	-712940.57	1A	494		54	31930	1059
TREE	415518.88	-712943.50	1A	452		12	30614	1175
OL ON LTD WINDSOCK	415503.49	-712933.30	1A	454		14	21125	1186
OL ON ANT	415509.44	-712914.11	1A	557		117	13056	1245
TREE	415527.76	-712926.62	1A	463		23	2305	1329
TREE	415520.29	-712945.52	1A	455		15	30933	1371
TREE	415513.43	-712947.07	1A	482		42	27949	1374
TREE	415502.71	-712919.74	1A	506		66	16535	1404
ROD ON OL TOWER	415500.57	-712932.58	1A	458		18	20608	1461
TREE	415517.32	-712948.17	1A	438		-2	29534	1475
TREE	415529.86	-712924.38	1A	454		14	2811	1569
TREE	415518.36	-712949.63	1A	447		7	29834	1603
TREE	415523.79	-712949.44	1A	462		22	31600	1797
TREE	415457.52	-712915.93	1A	502		62	16554	2003
TREE	415457.21	-712942.87	1A	431		-9	22600	2063
TREE	415534.94	-712920.99	1A	443		3	3151	2131
TREE	415453.29	-712923.67	1A	487		47	18456	2209
TREE	415454.44	-712912.71	1A	500		60	16431	2395
TREE	415453.07	-712912.34	1A	484		44	16535	2529
TREE	415449.57	-712919.47	1A	493		53	17939	2648
TREE	415450.99	-712946.54	1A	449		9	22418	2747
TREE	415450.56	-712910.82	1A	477		37	16606	2807
TREE	415447.89	-712915.68	1A	486		46	17506	2898
BUSH	415543.41	-712912.37	1A	428		-12	3848	3161
TREE	415547.22	-712909.84	1A	433		-7	3908	3591

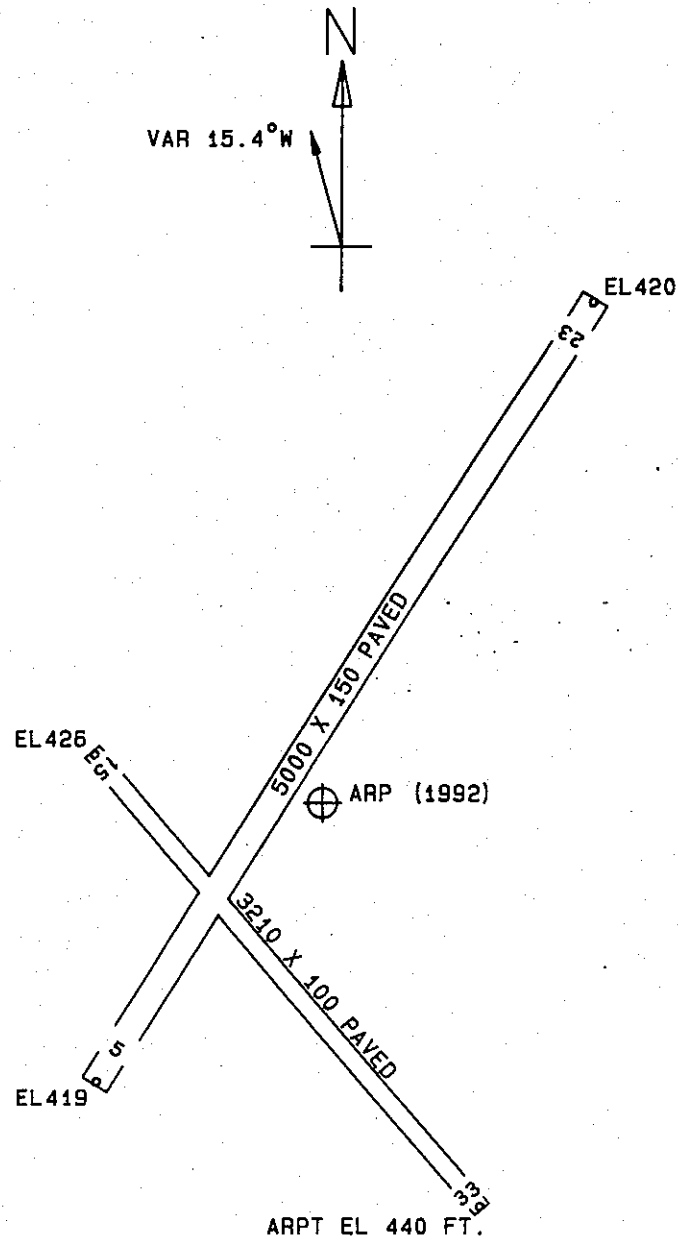
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AIRPORT ELEVATION 440

ARP 415514.748 -712928.973

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	415544.70	-712901.76	1A	433		-7	4933	3664
TREE	415436.47	-712905.05	1A	539		99	17022	4276
ANT ON OL RADIO TOWER	415611.74	-712742.24	1A	587	275	147	6949	9918



TOUCHDOWN ZONE RUNWAY ELEVATION	
15	439
33	441
5	429
23	429

NORTH CENTRAL STATE AIRPORT  
 PAWTUCKET, RHODE ISLAND  
 (NOT TO SCALE)