

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WATAM	HULVO (FO)	122.72 / 23.64	3000	LPV: DA LNAV/VNAV: DA LNAV: RW32
CUCAC	HULVO (FO)	205.40 / 23.51	3100	
SIYON (IAF)	HULVO (NOPT) (FB)	330.78 / 33.43	3000	CLIMB TO 3000 DIRECT HUDLA AND HOLD.
AXN VOR/DME (IAF)	HULVO (NOPT) (FB)	055.42 / 27.64	3000	
HULVO (IF/IAF)	WUSMI (FB)	338.84 / 6.00	3000	
WUSMI (FAF)	RW32 (MAP) (FO)	323.80 / 5.26		<b>ADDITIONAL FLIGHT DATA:</b> HOLD NW, RT, 143.63 INBOUND. CHART FAS OBST: 1634 TWR 462109N/0944712W CHART R-4301. DISTANCE TO THLD FROM 305 HATH: 0.83 NM. WAAS CHANNEL # 97528 REFERENCE PATH ID: W32A LTP HAE: 364.5 M
RW32 (MAP)	1590 MSL	323.80		
1590 MSL	HUDLA (FO)		3000	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD S HULVO, LT, 338.84 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 323.80 FAF: WUSMI DIST FAF TO MAP: 5.26 THLD: 5.26
4. MIN. ALT: HULVO 3000, WUSMI 3000
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: WUSMI 3000 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW32 3100

MAG VAR: 1E      EPOCH YEAR: 2015

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1590	1	305	1590	1	305	1590	1	305						
LNAV/VNAV DA	1963	2 1/2	678	1963	2 1/2	678	1963	2 1/2	678						
LNAV MDA	1900	1	615	1900	1	615	1900	1 3/4	615						
CIRCLING	1900	1	612	1900	1	612	1940	1 3/4	652				NA		

NOTES:  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 14 NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: BARO-VNAV NA WHEN USING PINE RIVER ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).  
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT.  
 (SEE FORM 8260-10)

CITY AND STATE STAPLES, MN	ELEVATION: 1288    THRE: 1285 AIRPORT NAME: STAPLES MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 31 MAY 2012	SUP: AMDT: NONE DATED
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**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**NOTES, (CONT.):**

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUCAC ON V55 NORTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AXN VOR/DME AIRWAY RADIAL 114.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PINE RIVER ALTIMETER SETTING AND INCREASE ALL DA 64 FEET AND ALL MDA 80 FT AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.



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	AIRPORT NAME: STAPLES MUNI			AMDT: NONE
				DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSAZ
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	462237.8945N
LTP/FTP LONGITUDE	0944810.1540W
LTP/FTP ELLIPSOIDAL HEIGHT	+03645
FPAP LATITUDE	462350.6200N
FPAP LONGITUDE	0944924.4500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 162AC706

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03915
FPAP ORTHOMETRIC HEIGHT	+03915



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	AIRPORT NAME: STAPLES MUNI			AMDT: NONE
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAD	AXN	K3011280VDLA	N45573020W095135747	N45573020W095135747	E0070013671	NARALEXANDRIA							

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAEENRT	CUCAC	K30	C	L	N46334647W094254523	E0014	NAR	CUCAC					
SUSAEENRT	HUDLA	K30	W		N46321512W094580184	E0019	NAR	HUDLA					
SUSAEENRT	HULVO	K30	W		N46124233W094404837	E0017	NAR	HULVO					
SUSAEENRT	SIYON	K30	C	L	N45431734W094180262	E0014	NAR	SIYON					
SUSAEENRT	WATAM	K30	C	L	N46255291W095090692	E0020	NAR	WATAM					
SUSAEENRT	WUSMI	K30	W		N46182012W094434737	E0017	NAR	WUSMI					

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP	KSZK3ASAZ	0	033YHN46225117W094482377E001001288	1800018000C	MNAR	STAPLES MUNI							

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP	KSZK3FR32	AAXN	010AXN	K3D	0V	A	IF	18000	A	JS			
SUSAP	KSZK3FR32	AAXN	020HULVOK3EA0EE	B	010TF	05540276	+ 03000	18000	A	JS			
SUSAP	KSZK3FR32	ACUCAC	010CUCACK3EA0E	IF					A	JS			
SUSAP	KSZK3FR32	ACUCAC	020HULVOK3EA0EY	020TF	20540235	+ 03100			A	JS			
SUSAP	KSZK3FR32	ACUCAC	030HULVOK3EA0EE	AL	HF	33880040	+ 03000	18000	A	JS			
SUSAP	KSZK3FR32	ASIYON	010SIYONK3EA0E	A	IF				A	JS			
SUSAP	KSZK3FR32	ASIYON	020HULVOK3EA0EE	B	010TF	33080334	+ 03000	18000	A	JS			
SUSAP	KSZK3FR32	AWATAM	010WATAMK3EA0E	IF					A	JS			
SUSAP	KSZK3FR32	AWATAM	020HULVOK3EA0EY	020TF	12270236	+ 03000			A	JS			
SUSAP	KSZK3FR32	AWATAM	030HULVOK3EA0EE	AL	HF	33880040	+ 03000	18000	A	JS			
SUSAP	KSZK3FR32	R	010HULVOK3EA0E	I	IF				A	JS			
SUSAP	KSZK3FR32	R	020WUSMIK3EA1E	F	051TF	33880060	+ 03000	RW32	K3PGA	JS			
SUSAP	KSZK3FR32	R	020WUSMIK3EA2WALPV	ALNAV/VNAV	ALNAV				JS				
SUSAP	KSZK3FR32	R	030RW32	K3PGOGY	M	031TF	32380053	01325	-300	A	JS		
SUSAP	KSZK3FR32	R	040	0	M	CA	3238	+ 01590		A	JS		
SUSAP	KSZK3FR32	R	050HUDLAK3EA0EY	DF				+ 03000		A	JS		
SUSAP	KSZK3FR32	R	060HUDLAK3EA0EE	R	HM	14360040	+ 03000			A	JS		

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

CITY AND STATE <b>STAPLES, MN</b>	ELEVATION: <b>1288</b> THRE: <b>1285</b> AIRPORT NAME: <b>STAPLES MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 32, ORIG</b>  <b>31 MAY 2012</b>	SUP: AMDT: <b>NONE</b> DATED:
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**QUALITY CHECKED**  
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AXN	AXN	010	IAF	IF		FB					
	AXN	HULVO	020		TF		FB	1.0	055.4 (056.4T)	027.6	AA 03000	
	CUCAC	CUCAC	010		IF		FB					
	CUCAC	HULVO	020		TF		FO	2.0	205.4 (206.4T)	023.5	AA 03100	
	CUCAC	HULVO	030	IAF	HF	L	FO		338.8 (339.8T)	004.0	AA 03000	
	SIYON	SIYON	010	IAF	IF		FB					
	SIYON	HULVO	020		TF		FB	1.0	330.8 (331.8T)	033.4	AA 03000	
	WATAM	WATAM	010		IF		FB					
	WATAM	HULVO	020		TF		FO	2.0	122.7 (123.7T)	023.6	AA 03000	
	WATAM	HULVO	030	IAF	HF	L	FO		338.8 (339.8T)	004.0	AA 03000	
		HULVO	010	FACF	IF		FB				AA 03000	
		WUSMI	020	FAF	TF		FB	0.5	338.8 (339.8T)	006.0	AA 03000	
		RW32	030	MAP	TF		FO	0.3	323.8 (324.8T)	005.3	AT 01325	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		323.8 (324.8T)		AA 01590	
	HUDLA	050		DF		FO				AA 03000	
	HUDLA	060		HM	R	FO		143.6 (144.6T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXN	N455730.20	W0951357.47	N4557.503	W09513.958
	CUCAC	N463346.47	W0942545.23	N4633.775	W09425.754
	HUDLA	N463215.12	W0945801.84	N4632.252	W09458.031
	HULVO	N461242.33	W0944048.37	N4612.706	W09440.106
	SIYON	N454317.34	W0941802.62	N4543.289	W09418.044
	WATAM	N462552.91	W0950906.92	N4625.882	W09509.115
	WUSMI	N461820.12	W0944347.37	N4618.335	W09443.790
	RW32	N462237.89	W0944810.15	N4622.632	W09448.169

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01285	40



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	AIRPORT NAME: <b>STAPLES MUNI</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 32, ORIG</b> 31 MAY 2012	AMDT: <b>NONE</b>
				DATED: