

# VZOA Sweatbox Scenario Teaching Guide

Module: S3-C-5

File Name: Area C SFOW - Part 5 - PV PREP

Date: 2020-11-26

Authorization: DP

## Summary

**Airport(s):** OAK, O27, TCY, SCK, MCE, LSN, HWD, MOD, LVK, 103 C83

**Flow:** SFOW

**Weather conditions:** IFR

**Objectives:** Practice Area C operations

**Workload:** HIGH - COMPLEX - 44 planes in 60 minutes; 72 planes in 120 minutes

**Complexity:** High - multiple airports

## Traffic summary

Departures and arrivals to Area C airports, including local VFR traffic. Traffic has 85 planes representing selections of real world traffic during one day at Area C (many VFR flights changed to IFR flight plans for teaching purposes), several planes taken from VATSIM traffic, and a dozen planes from an earlier Area C sweatbox file.

*What conflicts are set-up in this file?*

- Scenario requires scanning the whole airspace for conflicts.

## Running the Scenario

CALLSIGN	TYPE	ORIGIN/RTE/DEST	STAR	START	SQUA WK
AAY68	A319	LAS: SHEAD1 KENNO RUSME OAKES2	OAKES#	0	4133
FDX3553	B748	LAX: PDX SHIMR GALLO	OVERFLT	0	2200
G67W	LJ45	BUR:GMN TAFTA AVE OKEEF ROM RANCK PANOS HENCE GILRO LICKE SJC OAK		0	3224
JBU504	A320	LGB:HOLTZ ALBAS TOZEK DMYGK FIM REYES DERBB AVE LIN KSMF	OVERFLT	0	1435
N715MT	C172	TCY/MOD CEDES SJC/PAO	TCY	0	4502
SCX426	B738	LAX:MSP	OVERFLT	0	7125
UAL685	B737	SNA:HHERO3 IKAYE TESEA SCTRR SNS SPNSR TMBS2	OVERFLT	0	7153
JSX171	E135	BUR: OROSZ2 COREZ RGOOD EMZOH3	EMZOH#	1	4127
N830MG	C650	SCK/MOD AVE GVO/SBA	SCK	2	4466
N459MB	C560	RNO: ZEFFR6 MRLET OAKES2	OAKES#	3	4104
N921SD	H500	FAT/MOD LSN/LSN	LSN	3	4443
SWA3993	B738	BOI: HYVAL REO ANAHO RBUCL WNDSR2	WNDSR#	3	3207
N4962L	C152	MCC/LIN C83/C8.	C83	4	4505
FDX1800	MD11	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	5	4303
SWA1177	B738	ONT: SNSHN5 COREZ RGOOD EMZOH3	EMZOH#	6	4067
EJA623	C68A	PGA: BCE ILC TATOO MONOH OAKES2	OAKES#	10	4070
SWA1986	B738	DEN: COORZ6 VOAXA Q134 TATOO MONOH OAKES2	OAKES#	14	4103
N259SS	DA42	HWD/MOD PXN AVE/MYF	HWD	16	4430
N828W	PC12	VNY/GMN MOD/MOD	MOD	17	4433
NKS298	A320	LAS: SHEAD1 KENNO Q15 RUSME OAKES2	OAKES#	19	4123
SKW3460	E75L	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	24	4121
SWA293	B738	GEG: GEG J3 IMB J3 LKV J3 RBL SPAMY WNDSR2	WNDSR#	25	4112
SKW3832	E75L	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	27	4130
USC102 (STAR CHECK)	LJ35	BUR: OROSZ2 COREZ RGOOD EMZOH3	EMZOH#	29	4071
N182AK	C182	HWD/ENI KEARN KUKI/UKI	HWD	31	4432
VTE3201	E135	CEC: CEC WNDSR WNDSR2	WNDSR#	32	4131

CALLSIGN	TYPE	ORIGIN/RTE/DEST	STAR	START	SQUA WK
SWA2384	B737	PHX: ZEPER2 RRSTA DOVEE BTY RUSME OAKES2	OAKES#	33	4076
EJA629	C680	LVK/SUNOL FLW/VNY	LVK	35	4476
N3452Y	C206	MCE/VFR/RTS	MCE	37	4452
N35469	C172	DVO/REBAS HOPTA AAAME/OAK	OAK	38	4420
EJA438	C510	BFI:./SPAMY WNDSR2	WNDSR#	40	4117
N8752X	C172	AUN/LIN SCK/	SCK	42	4460
VOI902	A320	MMGL: PPE J93 PDZ J50 LANDO J6 AVE RGOOD EMZOH3	EMZOH#	43	4113
ASA982	B738	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	44	3211
WNS26	TBM7	HHR/RGOOD PXN KARNN BORED BUSHY SUNOL/OAK	OAK	46	4411
USC28 (STAR CHECK	LJ35	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	50	4111
DAL876	A319	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	52	3204
SWA2129	B738	LGB: TOPMM4 COREZ RGOOD EMZOH3	EMZOH#	52	4124
N473NB	P28A	OAK/VFR VIA CCR WHYEE HIRMO/OAK	OAK	55	4414
N8234V	P28A	SCK/TCY	SCK	57	4477
SWA5875	B737	MCI:CHIEF7 CATTS HLC KD54S MLF ILC TATOO MONOH OAKES2	OAKES#	57	3203
PXT12 (PACK COAST)	C56X	VNY: WLKKR4 COREZ RGOOD EMZOH3	EMZOH#	58	4102
EJA616	C680	IWA/AVE SNS/LVK	LVK	60	4470
SWA2498	B737	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	62	4065
SWA2341	B738	PDX: MINNE5 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	64	4115
HAL8048	A21N	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	65	4304
N810LA	MD60	O27/LIN V108 OAKY/STS	O27	67	4513
TWY801 (TWILIGHT)	CL60	JAC: ALPIN2 KICNE MLD J158 MVA MONOH OAKES2	OAKES#	70	4125
N3412Y	C182	C83/BORED KLIDE/KLVK	C83	71	4510
SWA1556	B737	BOI: HYVAL REO ANAHO RBUCL WNDSR2	WNDSR#	71	4114
N66405	BL8	OAK/LOCAL ALTAM/OAK	OAK	72	4421
N669NE	C152	MER/DOCAL SQL/SQL	MER	75	4457
N1578L	BE36	FAT/NTTELL EBTUW V23 TURLO/MOD	MOD	77	4435

CALLSIGN	TYPE	ORIGIN/RTE/DEST	STAR	START	SQUA WK
SWA748	B738	ATL:BLD J92 BTY RUSME OAKES2	OAKES#	78	3212
FDX582	MD11	PDX: MINNE5 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	81	3210
N109HF	EC35	HWD/SQL	HWD	83	4427
N553TP	P28A	OAK/LOCAL VIA STS/OAK	OAK	84	4406
JBU167	A320	JFK:GAYEL Q818 WOZEE Q935 DERLO HOCKE GRB RWF BFF J157 MTU J148 DTA TATOO MONOH OAKES2	OAKES#	86	3206
SWA3336	B738	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	87	4116
N8233M	C210	CPU/LIN HWD/HWD	HWD	90	4426
N4368K	NAVI	SAC/MOD/MOD	MOD	92	4436
SWA759	B738	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	92	4132
BTQ330	PC12	MCE/TEL FRAME EHF/LAX	MCE	94	4451
N260CD	PA24	LSN/PRB	LSN	96	4446
N1423K	C172	O60/SGD V108 CROIT V108 LIN/SCK	SCK	99	4462
BTQ329	PC12	SMF/MOD/MCE	MCE	100	4447
N5423K	C172	SCK/MOD V111 SNS/WVI	SCK	100	4465
N782WW	C172	TCY/SCK	TCY	110	4463
N852AC	C560	PIH: PARZZ RBUCL WNDSR2	WNDSR#	110	4135
QXE2500	E75L	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	110	4120
N448JA	PA44	SCK/LIN/CPU	SCK	128	4464
SWA797	B738	LAX: LADYJ4 COREZ RGOOD EMZOH3	EMZOH#	130	4110
N827BR	BA40	MOD/LIN/MHR	MOD	150	4437

Adjusting difficulty:

- Aircraft may be removed as necessary. File includes 106 planes total, 31 are set with 200 minute start times - they can be slotted in as needed to create more complexity. The file can be refactored according to the goals of a session by changing start times. It is also a basis of SFOE familiarization file, Module C-4.

Notes:

- Ribbon routes provided for west flow approaches

## Traffic by Callsign

CALLSIGN	TYPE	ORIGIN/RTE/DEST	STAR	START	SQUAWK
<b>AAY68</b>	A319	LAS: SHEAD1 KENNO RUSME OAKES2	OAKES#	0	4133
<b>ASA982</b>	B738	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	44	3211
<b>BTQ329</b>	PC12	SMF/MOD/MCE	MCE	100	4447
<b>BTQ330</b>	PC12	MCE/TEL FRAME EHF/LAX	MCE	94	4451
<b>BXR1572</b>	C208	MRY/SNS V111 MOD /KMCE	MCE	200	4450
<b>DAL876</b>	A319	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	52	3204
<b>EJA438</b>	C510	BFI:./SPAMY WNDSR2	WNDSR#	40	4117
<b>EJA616</b>	C680	IWA/AVE SNS/LVK	LVK	60	4470
<b>EJA623</b>	C68A	PGA: BCE ILC TATOO MONOH OAKES2	OAKES#	10	4070
<b>EJA629</b>	C680	LVK/SUNOL FLW/VNY	LVK	35	4476
<b>FDX1800</b>	MD11	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	5	4303
<b>FDX3553</b>	B748	LAX: PDX SHIMR GALLO	OVERFLT	0	2200
<b>FDX542</b>	B763	MEM: ZUMIT4 FOXOM KK39E HALEN ELLMU KATTS MONOH OAKES2	OAKES#	200	4134
<b>FDX582</b>	MD11	PDX: MINNE5 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	81	3210
<b>G67W</b>	LJ45	BUR:GMN TAFTA AVE OKEEF ROM RANCK PANOS HENCE GILRO LICKE SJC OAK		0	3224
<b>GDG48 "GLDN GATE"</b>	H25C	VNY: WLKKR4 COREZ RGOOD EMZOH3	EMZOH#	200	4122
<b>GTI3702</b>	B732	TPA/OAL LIN LODDI/SKC	LCK	200	4461
<b>HAL8048</b>	A21N	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	65	4304

CALLSIGN	TYPE	ORIGIN/RTE/DEST	STAR	START	SQUAWK
JBU167	A320	JFK:GAYEL Q818 WOZEE Q935 DERLO HOCKE GRB RWF BFF J157 MTU J148 DTA TATOO MONOH OAKES2	OAKES#	86	3206
JBU504	A320	LGB:HOLTZ ALBAS TOZEK DMYGK FIM REYES DERBB AVE LIN KSMF	OVERFLT	0	1435
JSX171	E135	BUR: OROSZ2 COREZ RGOOD EMZOH3	EMZOH#	1	4127
N109HF	EC35	HWD/SQL	HWD	83	4427
N12234	C172	TCY/MOD CEDES SJC RHV/RHV	TCY	200	4502
N124PS	PC12	LVK/ALTAM V334 SAC/OVE	LVK	200	4475
N1423K	C172	O60/SGD V108 CROIT V108 LIN/SCK	SCK	99	4462
N1578L	BE36	FAT/NTELL EBTUW V23 TURLO/MOD	MOD	77	4435
N1819M	ME36	MOD/O27	MOD	200	4511
N182AK	C182	HWD/ENI KEARN KUKI/UKI	HWD	31	4432
N1963E	SR22	SQL/SJC SUNOL MOD/MER	MER	200	4453
N226JA	C172	STS/SREES SGD PITTS MER/MER	MER	200	4454
N2292L	BE55	HWD/OAK 244 ALTAM/O27	HWD	200	4512
N259SS	DA42	HWD/MOD PXN AVE/MYF	HWD	16	4430
N260CD	PA24	LSN/PRB	LSN	96	4446
N277MD	BE55	MOD/BORED KLIDE/PAO	MOD	200	4442
N2881	SR20	HWD/SUNOL SJC/PAO	HWD	200	4431
N2887R	C182	MOD/MOD V111 SNS/WVI	MOD	200	4440
N3175Y	C182	1O3/MOD CEDES/HAF	1O3	200	4520
N3412Y	C182	C83/BORED KLIDE/KLVK	C83	71	4510
N3452Y	C206	MCE/VFR/RTS	MCE	37	4452
N35469	C172	DVO/REBAS HOPTA AAAME/OAK	OAK	38	4420
N37172	B350	LMT/LIN/MER	MER	200	4455
N400US	C182	MCE/SUNOL/HWD	MCE	200	4425
N408AR	P32R	O27/MOD/MOD	MOD	200	4514
N4220	C182	HWD/OAK V244 ALTAM/C83	HWD	200	4506
N4368K	NAVI	SAC/MOD/MOD	MOD	92	4436

<b>CALLSIGN</b>	<b>TYPE</b>	<b>ORIGIN/RTE/DEST</b>	<b>STAR</b>	<b>START</b>	<b>SQUAWK</b>
<b>N448JA</b>	PA44	SCK/LIN/CPU	SCK	128	4464
<b>N44DM</b>	C172	O27/MOD/LSN	O27	200	4444
<b>N459MB</b>	C560	RNO: ZEFFR6 MRLET OAKES2	OAKES#	3	4104
<b>N473NB</b>	P28A	OAK/VFR VIA CCR WHYEE HIRMO/OAK	OAK	55	4414
<b>N4962L</b>	C152	MCC/LIN C83/C8.	C83	4	4505
<b>N5423K</b>	C172	SCK/MOD V111 SNS/WVI	SCK	100	4465
<b>N5527S</b>	C72R	C83/LIN V108 OAKEY/KDVO	C83	200	4507
<b>N553TP</b>	P28A	OAK/LOCAL VIA STS/OAK	OAK	84	4406
<b>N6105W</b>	P28A	3O1/1O3	1O3	200	4517
<b>N66405</b>	BL8	OAK/LOCAL ALTAM/OAK	OAK	72	4421
<b>N669NE</b>	C152	MER/DOCAL SQL/SQL	MER	75	4457
<b>N669TW</b>	C172	PAO/LVK	LVK	200	4471
<b>N689SP</b>	C172	LVK/ALTAM/HWD	LVK	200	4424
<b>N714AB</b>	C150	SQL/SJC SUNOL MOD/TCY	TCY	200	4501
<b>N715MT</b>	C172	TCY/MOD CEDES SJC/PAO	TCY	0	4502
<b>N734BN</b>	C172	OAK/ALTAM MOD/C83	C83	200	4504
<b>N782WW</b>	C172	TCY/SCK	TCY	110	4463
<b>N810LA</b>	MD60	O27/LIN V108 OAKEY/STS	O27	67	4513
<b>N8233M</b>	C210	CPU/LIN HWD/HWD	HWD	90	4426
<b>N8234V</b>	P28A	SCK/TCY	SCK	57	4477
<b>N827BR</b>	BA40	MOD/LIN/MHR	MOD	150	4437
<b>N828V</b>	PC12	MOD/O27	MOD	200	4441
<b>N828W</b>	PC12	VNY/GMN MOD/MOD	MOD	17	4433
<b>N830MG</b>	C650	SCK/MOD AVE GVO/SBA	SCK	2	4466
<b>N852AC</b>	C560	PIH: PARZZ RBUCL WNDSR2	WNDSR#	110	4135
<b>N871BR</b>	DA42	LVK/ALTAM MOD/MOD	LVK	200	4474
<b>N873BR</b>	DA40	MER/LEN MHR/MHR	MER	200	4456
<b>N8752X</b>	C172	AUN/LIN SCK/	SCK	42	4460

<b>CALLSIGN</b>	<b>TYPE</b>	<b>ORIGIN/RTE/DEST</b>	<b>STAR</b>	<b>START</b>	<b>SQUAWK</b>
<b>N921SD</b>	H500	FAT/MOD LSN/LSN	LSN	3	4443
<b>N98VD</b>	BE10	MHR/LIN LVK/LVK	LVK	200	4473
<b>NKS298</b>	A320	LAS: SHEAD1 KENNO Q15 RUSME OAKES2	OAKES#	19	4123
<b>NKS607</b>	A320	LAS: SHEAD1 KENNO RUSME OAKES2	OAKES#	200	3205
<b>PXT12 (PACK COAST)</b>	C56X	VNY: WLKKR4 COREZ RGOOD EMZOH3	EMZOH#	58	4102
<b>QXE2500</b>	E75L	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	110	4120
<b>SCX426</b>	B738	LAX:MSP	OVERFLT	0	7125
<b>SKW3460</b>	E75L	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	24	4121
<b>SKW3832</b>	E75L	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	27	4130
<b>SKW4602</b>	E170	LAX:SUMMR1 RIZIN FLW RGOOD EMZOH3	EMZOH#	200	3202
<b>SWA1177</b>	B738	ONT: SNSHN5 COREZ RGOOD EMZOH3	EMZOH#	6	4067
<b>SWA1556</b>	B737	BOI: HYVAL REO ANAHO RBUCL WNDSR2	WNDSR#	71	4114
<b>SWA1717</b>	B737	RNO: ZEFFR6 MRLET OAKES2	OAKES#	200	4066
<b>SWA1986</b>	B738	DEN: COORZ6 VOAXA Q134 TATOO MONOH OAKES2	OAKES#	14	4103
<b>SWA2129</b>	B738	LGB: TOPMM4 COREZ RGOOD EMZOH3	EMZOH#	52	4124
<b>SWA2341</b>	B738	PDX: MINNE5 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	64	4115
<b>SWA2384</b>	B737	PHX: ZEPER2 RRSTA DOVEE BTY RUSME OAKES2	OAKES#	33	4076
<b>SWA2498</b>	B737	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	62	4065
<b>SWA293</b>	B738	GEG: GEG J3 IMB J3 LKV J3 RBL SPAMY WNDSR2	WNDSR#	25	4112
<b>SWA3336</b>	B738	SEA: HAROB6 HISKU Q5 HUPTU SPAMY WNDSR2	WNDSR#	87	4116
<b>SWA3993</b>	B738	BOI: HYVAL REO ANAHO RBUCL WNDSR2	WNDSR#	3	3207
<b>SWA5875</b>	B737	MCI:CHIEF7 CATTS HLC KD54S MLF ILC TATOO MONOH OAKES2	OAKES#	57	3203
<b>SWA748</b>	B738	ATL:BLD J92 BTY RUSME OAKES2	OAKES#	78	3212
<b>SWA759</b>	B738	MKK4 CLUTS R465 CINNY PIRAT2	PIRAT#	92	4132



<b>CALLSIGN</b>	<b>TYPE</b>	<b>ORIGIN/RTE/DEST</b>	<b>STAR</b>	<b>START</b>	<b>SQUAWK</b>
<b>SWA797</b>	B738	LAX: LADYJ4 COREZ RGOOD EMZOH3	EMZOH#	130	4110
<b>TWY801 (TWILIGHT)</b>	CL60	JAC: ALPIN2 KICNE MLD J158 MVA MONOH OAKES2	OAKES#	70	4125
<b>UAL685</b>	B737	SNA:HHERO3 IKAYE TESEA SCTRR SNS SPNSR TMBRS2	OVERFLT	0	7153
<b>USC102 (STAR CHECK)</b>	LJ35	BUR: OROSZ2 COREZ RGOOD EMZOH3	EMZOH#	29	4071
<b>USC28 (STAR CHECK)</b>	LJ35	SLC: DEZRT1 MVA MONOH OAKES2	OAKES#	50	4111
<b>VOI902</b>	A320	MMGL: PPE J93 PDZ J50 LANDO J6 AVE RGOOD EMZOH3	EMZOH#	43	4113
<b>VTE3201</b>	E135	CEC: CEC WNDSR WNDSR2	WNDSR#	32	4131
<b>WNS26</b>	TBM7	HHR/RGOOD PXN KARNN BORED BUSHY SUNOL/OAK	OAK	46	4411