

# VZOA Sweatbox Scenario Teaching Guide

Module: S3-C-2

File Name: Area C SFOW - Part 2 - Associated Fields

Date: 2020-10-25  
Authorization: DP

## Summary

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

**Flow:** SFOW

**Weather conditions:** IFR

**Objectives:** Familiarize with Area C associated airport operations

**Workload:** HIGH - 79 planes/80 minutes

**Complexity:** High - multiple airports

## Traffic summary

Departures and arrivals to Area C airports, including local VFR traffic

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

- Scenario requires scanning the whole airspace for conflicts.

## Running the Scenario

| CALLSIGN            | TYPE | ORIGIN/RTE/DEST                                  | PROC   | ORG  | DEST | START | SQUAWK |
|---------------------|------|--|--------|------|------|-------|--------|
| N8752X              | C172 | +LIN+ 050  |        | KAUN | KSCK | 0     | 4460   |
| N2292L              | BE35 | +OAK V244 ALTAM+ 070                             |        | KHWD | O27  | 1     | 4512   |
| SWA1340             | E75L | HHERO3 OROSZ COREZ RGOOD<br>EMZOH3               | EMZOH3 | KSNA | KOAK | 1     | 4404   |
| N35469              | C172 | VFR DIRECT                                       | VFR    | KDVO | KOAK | 2     | 4420   |
| WSN26<br>"WINGSPAN" | TBM7 | SPACX2 SPACX LIMBO LAX V23<br>GMN RGOOD PXN PXN6 | PXN6   | KHHR | KOAK | 3     | 4411   |
| N2881               | SR20 | +SUNOL SJC+ 050                                  |        | KHWD | KPAO | 4     | 4431   |

| CALLSIGN    | TYPE | ORIGIN/RTE/DEST   | PROC   | ORG  | DEST | START | SQUAWK |
|-------------|------|---|--------|------|------|-------|--------|
| EJA629      | C68A | SUNOL FLW FERN7   |        | KLVK | KVNY | 5     | 4476   |
| N4962L      | C152 | +LIN+ 070   |        | KMCC | C83  | 5     | 4505   |
| N400US      | C182 | +SUNOL+ 060   |        | KMCE | KHWD | 6     | 4425   |
| N871BR      | DA40 | VFR +MOD+ 070   |        | KMHR | KMOD | 7     | 4434   |
| N828V       | PC12 | NOTE - CONT FLIGHT +RV+ 060   |        | KMOD | O27  | 8     | 4441   |
| N553TP      | P28A | OAK VFR DIRECT STS DIRECT<br>OAK  | VFR    | KOAK | KOAK | 9     | 4406   |
| N4386K      | NAVI | VFR *MOD+ 070   |        | KSAC | KMOD | 10    | 4436   |
| N669TW      | C172 | VFR   |        | KPAO | KLVK | 10    | 4471   |
| N5423K      | C172 | (CONT FLT) MOD V111 SNS   |        | KSCK | KWVI | 11    | 4465   |
| N226JA      | C172 | <a href="#">FREES9 FREES SGD PITTS</a>  |        | KSTS | KMER | 12    | 4454   |
| BTQ329      | PC12 | +MOD+ 070   |        | KSMF | KMCE | 12    | 4447   |
| N12234      | C172 | +MOD CEDES SJC+ 060   |        | KTCY | KRHV | 13    | 4502   |
| N1134U      | C172 | +SNS V111 MOD+ 090  |        | KWVI | 1O3  | 14    | 4516   |
| N44DM       | C172 | +MOD+ 030   |        | O27  | KLSN | 15    | 4444   |
| N3175Y      | C182 | +MOD CEDES+ 060   |        | 1O3  | KHAF | 16    | 4520   |
| N827BR      | DA40 | LIN 060   |        | KMOD | KMHR | 19    | 4437   |
| N1578L      | BE36 | VFR<br>+.YOSE3.NTELL..EBTUW.V23.TUR<br>LO..+  |        | KFAT | KMOD | 20    | 4435   |
| N182AK      | C182 | +..OAK..ENI..KEARN..+   |        | KHWD | KUKI | 21    | 4432   |
| EJA616      | C68A | <a href="#">MAYSA7 RRSTA EED HEC PMD<br/>J65 LANDO J6 AVE SNS</a>                     |        | KIWA | KLVK | 22    | 4470   |
| N871BR      | DA40 | +ALTAM MOD+ 050   |        | KLVK | KMOD | 23    | 4474   |
| N724KD      | B738 | <a href="#">ZUMIT4 FOXOM FSM HBR PNH<br/>TCC ABQ DRK GFS BTY MVA<br/>MONOH OAKES2</a> | OAKES2 | KMEM | KOAK | 24    | 4405   |
| N109HF HELI | EC35 | VFR   |        | KHWD | KSQL | 25    | 4427   |
| N873BR      | DA40 | +LIN+ 060   |        | KMER | KMHR | 25    | 4456   |
| N277MD      | BE55 | +BORED KLIDE+ 070   |        | KMOD | KPAO | 26    | 4442   |

| CALLSIGN    | TYPE | ORIGIN/RTE/DEST   | PROC   | ORG  | DEST | START | SQUAWK |
|-------------|------|---|--------|------|------|-------|--------|
| N458FS      | CL35 | TERPZ7 MCRAY J518 IHD MACES<br>SPI STJ MCK AVVVS MTU ELY<br>RPARK SHARR1  | SHARR1 | KBWI | KHWD | 26    | 4423   |
| N473NB      | P28A | OAK VFR ALTAM OAK   | VFR    | KOAK | KOAK | 27    | 4414   |
| SWA2292     | A320 | KEENS2 HRRBR CURIV J212<br>DECAS PMD GMN RGOOD<br>EMZOH3                  | EMZOH3 | KPHX | KOAK | 28    | 4410   |
| N3412Y      | C180 | +BORED KLIDE+ 070 (APPROX)  |        | C83  | KLVK | 28    | 4510   |
| N830MG      | C650 | MOD AVE GVO   |        | KSCK | KSBA | 29    | 4466   |
| SWA1974     | B737 | SNSET4 HULZE TXO ABQ ZUN<br>INW FLG PGS J72 BLD LAS BTY<br>RUSME OAKES2   | OAKES2 | KDAL | KOAK | 29    | 4413   |
| N714AB      | C150 | +SJC V334 SUNOL MOD+ 050  |        | KSQL | KTCY | 30    | 4501   |
| N54838      | C172 | VFR   |        | KSCK | KVIS | 32    | 4467   |
| N715MT      | C172 | +MOD CEDES SJC+ 060   |        | KTCY | KPAO | 32    | 4503   |
| N19897      | C172 | +SAC+ 080   |        | 1O3  | KMHR | 33    | 4522   |
| N810LA HELI | MD60 | +..LIN.V108.OAKEY..+  |        | O27  | KSTS | 34    | 4513   |
| N6105W      | P28A |   |        | 3O1  | 1O3  | 34    | 4517   |
| BTQ330      | PC12 | NTELL FRAME EHF WAYVE1  |        | KMCE | KLAX | 35    | 4451   |
| N124PS      | PC12 | +ALTAM V334 SAC+ 070  |        | KLVK | KOVE | 36    | 4475   |
| SWA1544     | B738 | COORZ6 VOAXA Q134 TATOO<br>MONOH OAKES2                                   | OAKES2 | KDEN | KOAK | 37    | 4415   |
| N37172      | B350 | LMT J189 LIN  |        | KLMT | KMER | 37    | 4455   |
| N4220       | C182 | +OAK V244 ALTAM+ 070  |        | KHWD | C83  | 38    | 4506   |
| SWA3337     | B738 | CHIEF7 CATTS HLC KD54S MLF<br>KITTN KATTS TATOO MONOH<br>OAKES2           | OAKES2 | KMCI | KOAK | 39    | 4401   |
| BXR1572     | C208 | +SNS V111 MOD+ 070  |        | KMRY | KMCE | 40    | 4450   |
| EJA519      | C68A | HHERO3 EHF NURAY MOD<br>UHHUT   |        | KSNA | KLVK | 42    | 4472   |
| N734BN      | C172 | +OAK4 OAK V244 ALTAM MOD+<br>070  |        | KOAK | C83  | 42    | 4504   |
| SKW3419     | E170 | HAROB6 HISKU Q5 HUPTU<br>SPAMY WNDSR2                                     | WNDSR2 | KSEA | KOAK | 44    | 4407   |
| XOJ539      | CL30 | SMALZ WIGVO TYFTR LGC VUZ<br>LITTR IRW BGD J8 FTI J58 OAL<br>RPARK SHARR1 | SHARR1 | KSAV | KOAK | 44    | 4416   |

| CALLSIGN             | TYPE       | ORIGIN/RTE/DEST  | PROC   | ORG  | DEST | START | SQUAWK |
|----------------------|------------|--|--------|------|------|-------|--------|
| N31617               | M20P       | SGD CCR  |        | KSTS | 1O3  | 45    | 4515   |
| XLJ41                | LJ40       | HLE PRESN RBUCL WNDSR2   | WNDSR2 | KSUN | KOAK | 46    | 4422   |
| GTI3702              | B763/<br>W | ENDED8 LACEN PATOY Q116<br>JAWJA CABLO DEFUN J2 CEW<br>MHZ TXK IRW BGD CIM RSK J58<br>OAL LIN V108 LODDI |        | KTPA | KSCK | 48    | 4461   |
| N93VD                | BE10       | +LIN+ 050  |        | KMHR | KLVK | 49    | 4473   |
| N1819M               | B36T       | +RV+ 060   |        | KMOD | O27  | 50    | 4511   |
| N1423K               | C172       | SGD V108 CROIT V108 LIN  |        | O69  | KSCK | 50    | 4462   |
| N3452Y               | C185       |  |        | KMCE | KRTS | 51    | 4452   |
| SWA705               | B738       | MINNE5 HISKU Q5 HOMEG Q5<br>HUPTU SPAMY WNDSR2   | WNDSR2 | KPDX | KOAK | 51    | 4412   |
| N66405<br>DECATHALON | BL8        | VFR ALTAM OAK  | VFR    | KOAK | KOAK | 53    | 4421   |
| N2887R               | C182       | +MOD V111 SNS+ 060   |        | KMOD | KWVI | 55    | 4440   |
| N669NE               | C152       | +DOCAL+ 060  |        | KMER | KSQL | 55    | 4457   |
| SWA1373              | B738       | SNSHN5 COREZ RGOOD EMZOH3  | EMZOH3 | KONT | KOAK | 56    | 4403   |
| EJA348               | C182       | OED J126 RBL SPAMY WNDSR2  | WNDSR2 | KRBG | KOAK | 58    | 4402   |
| N828W                | PC12       | CANOG3 GMN MOD   |        | KVNY | KMOD | 60    | 4433   |
| SWA100               | B738       | PADRZ2 OROSZ COREZ RGOOD<br>EMZOH3   | EMZOH3 | KSAN | KOAK | 61    | 4417   |
| N8234V               | P28A       | +RV+ 030   |        | KSCK | KTCY | 62    | 4477   |
| N448JA               | PA44       | LIN  |        | KSCK | KCPU | 64    | 4464   |
| N1963E               | SR22       | +SJC V334 SUNOL MOD+ 070   |        | KSQL | KMER | 65    | 4453   |
| N782WW               | C172       | RV 040   |        | KTCY | KSCK | 66    | 4463   |
| N408AR               | P28R       | +MOD+ 030  |        | O27  | KMOD | 67    | 4514   |
| N921SD HELI          | H500       | MOD  |        | KFAT | KLSN | 70    | 4443   |
| N689SP               | C172       | VFR OR +ALTAM+ 060   |        | KLVK | KHWD | 70    | 4424   |
| N260CD               | PA24       | VFR  |        | KLSN | KPRB | 71    | 4446   |
| N259SS               | DA62       | ALTAM MOD PXN AVE LAX MZB  |        | KHWD | KMYF | 74    | 4430   |
| N8233M               | C210       | LIN  |        | KCPU | KHWD | 76    | 4426   |

| CALLSIGN    | TYPE | ORIGIN/RTE/DEST        | PROC | ORG | DEST | START | SQUAWK |
|-------------|------|------------------------|------|-----|------|-------|--------|
| N284CA HELI | B06  |                        |      | 1O3 | KCCR | 77    | 4521   |
| N5527S      | C82R | +...LIN.V108.OAKEY...+ |      | C83 | KDVO | 80    | 4507   |

Adjusting difficulty:

- Aircraft may be removed as necessary.

Notes:

- Ribbon routes provided for west flow approaches

Traffic by Callsign

| CALLSIGN    | TYPE       | ORIGIN/RTE/DEST   | PROC   | ORG  | DEST | START | SQUAWK |
|-------------|------------|---|--------|------|------|-------|--------|
| BTQ329      | PC12       | +MOD+ 070   |        | KSMF | KMCE | 12    | 4447   |
| BTQ330      | PC12       | NTELL FRAME EHF<br>WAYVE1   |        | KMCE | KLAX | 35    | 4451   |
| BXR1572     | C208       | +SNS V111 MOD+ 070  |        | KMRY | KMCE | 40    | 4450   |
| EJA348      | C182       | OED J126 RBL SPAMY<br>WNDSR2  | WNDSR2 | KRBG | KOAK | 58    | 4402   |
| EJA519      | C68A       | HHERO3 EHF NURAY MOD<br>UHHUT   |        | KSNA | KLVK | 42    | 4472   |
| EJA616      | C68A       | MAYSA7 RRSTA EED HEC<br>PMD J65 LANDO J6 AVE<br>SNS   |        | KIWA | KLVK | 22    | 4470   |
| EJA629      | C68A       | SUNOL FLW FERN7   |        | KLVK | KVNY | 5     | 4476   |
| GTI3702     | B763/<br>W | ENDED8 LACEN PATOY<br>Q116 JAWJA CABLO<br>DEFUN J2 CEW MHZ TXK<br>IRW BGD CIM RSK J58 OAL<br>LIN V108 LODDI |        | KTPA | KSCK | 48    | 4461   |
| N109HF HELI | EC35       | VFR   |        | KHWD | KSQL | 25    | 4427   |
| N1134U      | C172       | +SNS V111 MOD+ 090  |        | KWVI | 1O3  | 14    | 4516   |
| N12234      | C172       | +MOD CEDES SJC+ 060   |        | KTCY | KRHV | 13    | 4502   |
| N124PS      | PC12       | +ALTAM V334 SAC+ 070  |        | KLVK | KOVE | 36    | 4475   |
| N1423K      | C172       | SGD V108 CROIT V108 LIN   |        | O69  | KSCK | 50    | 4462   |

| CALLSIGN    | TYPE | ORIGIN/RTE/DEST                              | PROC | ORG  | DEST | START | SQUAWK |
|-------------|------|--|------|------|------|-------|--------|
| N1578L      | BE36 | VFR<br>+.YOSE3.NTELL..EBTUW.V23.TUR<br>LO..+ |      | KFAT | KMOD | 20    | 4435   |
| N1819M      | B36T | +RV+ 060                                     |      | KMOD | O27  | 50    | 4511   |
| N182AK      | C182 | +..OAK..ENI..KEARN..+                        |      | KHWD | KUKI | 21    | 4432   |
| N1963E      | SR22 | +SJC V334 SUNOL MOD+ 070                     |      | KSQL | KMER | 65    | 4453   |
| N19897      | C172 | +SAC+ 080                                    |      | 1O3  | KMHR | 33    | 4522   |
| N226JA      | C172 | FREES9 FREES SGD PITTS                       |      | KSTS | KMER | 12    | 4454   |
| N2292L      | BE35 | +OAK V244 ALTAM+ 070                         |      | KHWD | O27  | 1     | 4512   |
| N259SS      | DA62 | ALTAM MOD PXN AVE LAX<br>MZB                 |      | KHWD | KMYF | 74    | 4430   |
| N260CD      | PA24 | VFR  |      | KLSN | KPRB | 71    | 4446   |
| N277MD      | BE55 | +BORED KLIDE+ 070                            |      | KMOD | KPAO | 26    | 4442   |
| N284CA HELI | B06  |  |      | 1O3  | KCCR | 77    | 4521   |
| N2881       | SR20 | +SUNOL SJC+ 050                              |      | KHWD | KPAO | 4     | 4431   |
| N2887R      | C182 | +MOD V111 SNS+ 060                           |      | KMOD | KWVI | 55    | 4440   |
| N31617      | M20P | SGD CCR                                      |      | KSTS | 1O3  | 45    | 4515   |
| N3175Y      | C182 | +MOD CEDES+ 060                              |      | 1O3  | KHAF | 16    | 4520   |
| N3412Y      | C180 | +BORED KLIDE+ 070 (APPROX)                   |      | C83  | KLVK | 28    | 4510   |
| N3452Y      | C185 |  |      | KMCE | KRTS | 51    | 4452   |
| N35469      | C172 | VFR DIRECT                                   | VFR  | KDVO | KOAK | 2     | 4420   |
| N37172      | B350 | LMT J189 LIN                                 |      | KLMT | KMER | 37    | 4455   |
| N400US      | C182 | +SUNOL+ 060                                  |      | KMCE | KHWD | 6     | 4425   |
| N408AR      | P28R | +MOD+ 030                                    |      | O27  | KMOD | 67    | 4514   |
| N4220       | C182 | +OAK V244 ALTAM+ 070                         |      | KHWD | C83  | 38    | 4506   |
| N4386K      | NAVI | VFR *MOD+ 070                                |      | KSAC | KMOD | 10    | 4436   |
| N448JA      | PA44 | LIN  |      | KSCK | KCPU | 64    | 4464   |
| N44DM       | C172 | +MOD+ 030                                    |      | O27  | KLSN | 15    | 4444   |

| CALLSIGN             | TYPE | ORIGIN/RTE/DEST   | PROC   | ORG  | DEST | START | SQUAWK |
|----------------------|------|---|--------|------|------|-------|--------|
| N458FS               | CL35 | TERPZ7 MCRAY J518 IHD<br>MACES SPI STJ MCK<br>AVVVS MTU ELY RPARK<br>SHARR1 | SHARR1 | KBWI | KHWD | 26    | 4423   |
| N473NB               | P28A | OAK VFR ALTAM OAK   | VFR    | KOAK | KOAK | 27    | 4414   |
| N4962L               | C152 | +LIN+ 070   |        | KMCC | C83  | 5     | 4505   |
| N5423K               | C172 | (CONT FLT) MOD V111 SNS   |        | KSCK | KWVI | 11    | 4465   |
| N54838               | C172 | VFR   |        | KSCK | KVIS | 32    | 4467   |
| N5527S               | C82R | +..LIN.V108.OAKEY..+  |        | C83  | KDVO | 80    | 4507   |
| N553TP               | P28A | OAK VFR DIRECT STS DIRECT<br>OAK  | VFR    | KOAK | KOAK | 9     | 4406   |
| N6105W               | P28A |   |        | 3O1  | 1O3  | 34    | 4517   |
| N66405<br>DECATHALON | BL8  | VFR ALTAM OAK   | VFR    | KOAK | KOAK | 53    | 4421   |
| N669NE               | C152 | +DOCAL+ 060   |        | KMER | KSQL | 55    | 4457   |
| N669TW               | C172 | VFR   |        | KPAO | KLVK | 10    | 4471   |
| N689SP               | C172 | VFR OR +ALTAM+ 060  |        | KLVK | KHWD | 70    | 4424   |
| N714AB               | C150 | +SJC V334 SUNOL MOD+ 050  |        | KSQL | KTCY | 30    | 4501   |
| N715MT               | C172 | +MOD CEDES SJC+ 060   |        | KTCY | KPAO | 32    | 4503   |
| N724KD               | B738 | ZUMIT4 FOXOM FSM HBR<br>PNH TCC ABQ DRK GFS<br>BTY MVA MONOH OAKES2         | OAKES2 | KMEM | KOAK | 24    | 4405   |
| N734BN               | C172 | +OAK4 OAK V244 ALTAM MOD+<br>070  |        | KOAK | C83  | 42    | 4504   |
| N782WW               | C172 | RV 040  |        | KTCY | KSCK | 66    | 4463   |
| N810LA HELI          | MD60 | +..LIN.V108.OAKEY..+  |        | O27  | KSTS | 34    | 4513   |
| N8233M               | C210 | LIN   |        | KCPU | KHWD | 76    | 4426   |
| N8234V               | P28A | +RV+ 030  |        | KSCK | KTCY | 62    | 4477   |
| N827BR               | DA40 | LIN 060   |        | KMOD | KMHR | 19    | 4437   |
| N828V                | PC12 | NOTE - CONT FLIGHT +RV+ 060   |        | KMOD | O27  | 8     | 4441   |
| N828W                | PC12 | CANOG3 GMN MOD  |        | KVNY | KMOD | 60    | 4433   |
| N830MG               | C650 | MOD AVE GVO   |        | KSCK | KSBA | 29    | 4466   |

| CALLSIGN            | TYPE | ORIGIN/RTE/DEST   | PROC   | ORG  | DEST | START | SQUAWK |
|---------------------|------|---|--------|------|------|-------|--------|
| N871BR              | DA40 | VFR +MOD+ 070   |        | KMHR | KMOD | 7     | 4434   |
| N871BR              | DA40 | +ALTAM MOD+ 050   |        | KLVK | KMOD | 23    | 4474   |
| N873BR              | DA40 | +LIN+ 060   |        | KMER | KMHR | 25    | 4456   |
| N8752X              | C172 | +LIN+ 050   |        | KAUN | KSCK | 0     | 4460   |
| N921SD HELI         | H500 | MOD   |        | KFAT | KLSN | 70    | 4443   |
| N93VD               | BE10 | +LIN+ 050   |        | KMHR | KLVK | 49    | 4473   |
| SKW3419             | E170 | HAROB6 HISKU Q5 HUPTU<br>SPAMY WNDSR2                                     | WNDSR2 | KSEA | KOAK | 44    | 4407   |
| SWA100              | B738 | PADRZ2 OROSZ COREZ<br>RGOOD EMZOH3  | EMZOH3 | KSAN | KOAK | 61    | 4417   |
| SWA1340             | E75L | HHERO3 OROSZ COREZ<br>RGOOD EMZOH3  | EMZOH3 | KSNA | KOAK | 1     | 4404   |
| SWA1373             | B738 | SNSHN5 COREZ RGOOD<br>EMZOH3  | EMZOH3 | KONT | KOAK | 56    | 4403   |
| SWA1544             | B738 | COORZ6 VOAXA Q134<br>TATOO MONOH OAKES2                                   | OAKES2 | KDEN | KOAK | 37    | 4415   |
| SWA1974             | B737 | SNSET4 HULZE TXO ABQ<br>ZUN INW FLG PGS J72 BLD<br>LAS BTY RUSME OAKES2   | OAKES2 | KDAL | KOAK | 29    | 4413   |
| SWA2292             | A320 | KEENS2 HRRBR CURIV<br>J212 DECAS PMD GMN<br>RGOOD EMZOH3                  | EMZOH3 | KPHX | KOAK | 28    | 4410   |
| SWA3337             | B738 | CHIEF7 CATTS HLC KD54S<br>MLF KITTN KATTS TATOO<br>MONOH OAKES2           | OAKES2 | KMCI | KOAK | 39    | 4401   |
| SWA705              | B738 | MINNE5 HISKU Q5 HOMEG<br>Q5 HUPTU SPAMY<br>WNDSR2                         | WNDSR2 | KPDX | KOAK | 51    | 4412   |
| WSN26<br>"WINGSPAN" | TBM7 | SPACX2 SPACX LIMBO LAX<br>V23 GMN RGOOD PXN<br>PXN6                       | PXN6   | KHHR | KOAK | 3     | 4411   |
| XLJ41               | LJ40 | HLE PRESN RBUCL<br>WNDSR2   | WNDSR2 | KSUN | KOAK | 46    | 4422   |
| XOJ539              | CL30 | SMALZ WIGVO TYFTR LGC<br>VUZ LITTR IRW BGD J8 FTI<br>J58 OAL RPARK SHARR1 | SHARR1 | KSAV | KOAK | 44    | 4416   |