

SEOW Airbase Layouts

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Introduction

The Scorched Earth Online War system (SEOW) supports many different kinds of airbases, including ALL normal airbases defined on the FB+PF maps, plus temporary airbases and seaplane bases. Off Map flights (where aircraft spawn at the edge of the map) are effectively located at “virtual airbases” that have no infrastructure associated with them.

There are literally hundreds of different airbases across the various maps supported in SEOW (557 at last count). Rather than coding infrastructure layouts (for parking places, runway lights, searchlight locations, balloons locations etc) for each individual airbase, SEOW makes use of the fact that many airbases have identical layouts. SEOW has identified all these “Airbase Types”, and the layout of each type is contained in a SEOW database table. Presently there are about 50 types of normal airbase defined, plus temporary airbases and seaplane bases. The actual layouts are not fixed by Oleg – they are our own default layouts. Advanced users may wish to add their own layouts for specialized campaigns, and it is not so hard to do!

The information in this document summarises design, data capture and coding work performed by II/JG77Hawk_5, RAF74_Taipan and IV/JG7_4Shades. Third party contributions are noted as appropriate. SEOW is a free add-on to the IL-2 series of simulations developed by 1C: Maddox and published by Ubi.

How Layouts Work

Designing a New Layout

This is the easy and fun bit. Simply open FMB, choose your map of interest (e.g. a SEOW supported sector) and zoom in to the airbase that you want to design a template for. Now start placing the objects you want, in the positions and orientations you want them. When you are finished, just save your layout as a .mis file.

Layout Object Types

SEOW layouts *require* that you define specific kinds of objects. These are ACHS (AirCraft HardStand = parking space), AAA (flak sites), AB_Fuel (AirBase Fuel storage). You must have at least one instance of each of these three kinds of objects in your layout. When placing these in FMB, I recommend using Me-323 to place ACHS (because it is big, so you will space out the parking slots properly), a flak gun for AAA locations, and almost anything for fuel dumps (just remember what you use). You must also have a LANDING object (the runway landing point coordinates) and a TAKEOFF object (the runway takeoff point coordinates).

Apart from these things, you can specify runway lighting (Object_Type="RL", placed on active airbases at night or in bad weather), searchlights (Object_Type="SL", placed at night), barrage balloons (Object_Type="BALLOON", placed optionally). You can also put any scenery/building object in your layout, e.g. offices, towers, flags, trees, fences, concrete emplacements, sandbags etc. So you see there is a large amount of customization you can make for your airbases. Just don't place combat units (tanks, trucks etc) in your layout, because SEOW will convert them to in-game units. Following Hawk_5's airbase scenery mod to SEOW, the full list of special airbase object directives currently implemented is as follows:

Object Directive	Description
RL	Runway Light – mapped into campfires or bright electric lights according to Airbase Type
BL	Bright Building Light
DL	Dim Building Light
CF	Camp Fire
GRNL	Green Navigation Light
REDL	Red Navigation Light
SL	Searchlight
BALLOON	Barrage Balloon – wire lengths generated randomly
TAKEOFF	Takeoff point of runway (must be different to Landing point)
LANDING	Landing point of runway (must be different to Takeoff point)
ACHS	Aircraft Hard Stand – a parking space
AAA	AAA location
AB_Fuel	Airbase Fuel Supply - invisible

Converting to Layout Coordinates

Now, the only tricky part about making a layout is to convert the *map coordinates* for all your layout objects (as written in the .mis file) into *layout coordinates* (as required for the SE database Airbase_Layouts table). If you open your layout .mis file (in Notepad or similar), you will probably see something like (a few lines in):

```
[NStationary]
0_Static vehicles.artillery.Artillery$Maxime 1 111393.86 81117.33 360.00 0.0 0
1_Static vehicles.artillery.Artillery$Maxime 1 111845.23 81485.11 360.00 0.0 0
2_Static vehicles.artillery.Artillery$Maxime 1 112056.98 81173.05 360.00 0.0 0
3_Static vehicles.artillery.Artillery$Maxime 1 111992.90 80691.03 360.00 0.0 0
4_Static vehicles.artillery.Artillery$Maxime 1 111945.53 80061.35 360.00 0.0 0
```

These are the objects you defined. In the above example, I have used a Maxime gun as an indicator object for AAA locations. Each line contains 8 fields separated by spaces. Field 4, 5, 6 are the X,Y,Z,A *map coordinates* for each object, measured in metres. The Z coordinate measures the orientation angle of the object, and the A coordinate measures

the altitude of the object. For swivelling flak guns, the orientation is unimportant, but it is important for aircraft parking because you want the aircraft to face in the right direction. Oleg uses a strange orientation angle convention, so do not change the Z values unless you know what you are doing. If we focus on the object type and the *map coordinates*, we can rewrite the 5 object lines above as

Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
AAA	111393.86	81117.33	360.00	0.0
AAA	111845.23	81485.11	360.00	0.0
AAA	112056.98	81173.05	360.00	0.0
AAA	111992.90	80691.03	360.00	0.0
AAA	111945.53	80061.35	360.00	0.0

Now all we need to do is convert the X,Y values from *map coordinates* to *layout coordinates*. To do this we need to know the exact midpoint of the airbase main runway as measured in *map coordinates*. FMB tells you where the takeoff and landing points are: define some aircraft and get one to land at the run, and the other to takeoff. The layout .mis file will have records like (I used A-20 bombers at Ie Shima airbase in the Okinawa map)

```
[r0100]
Planes 1
Skill 1
Class air.A_20G
Fuel 100
weapons default
[r0100_Way]
NORMFLY 110580.75 79905.87 500.00 300.00 &0
LANDING 111514.67 80112.72 0 0 &0
[r0101]
Planes 1
Skill 1
Class air.A_20G
Fuel 100
weapons default
[r0101_Way]
TAKEOFF 112322.90 81749.80 0 0 &0
NORMFLY 113268.55 81938.67 500.00 300.00 &0
```

It is not too hard to find the takeoff and landing X,Y coordinates! In general, the runway midpoint is located at

$$\begin{aligned} \text{Xmidpoint} &= (\text{Xtakeoff} + \text{Xlanding})/2 \\ \text{Ymidpoint} &= (\text{Ytakeoff} + \text{Ylanding})/2 \end{aligned}$$

So in our (Ie Shima airbase) situation for the takeoff and landing coordinates above, we calculate

$$\begin{aligned} \text{Xmidpoint} &= (111514.67 + 112322.90)/2 = 111918.78 \\ \text{Ymidpoint} &= (80112.72 + 81749.80)/2 = 80931.26 \end{aligned}$$

The last thing we need to do to convert our Airbase_Object X,Y coordinates to layout coordinates is to subtract Xmidpoint from all the Object_X values, and subtract Ymidpoint from all the Object_Y values. This gives us the following:

Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
AAA	-524.925	186.07	360	0.0
AAA	-73.555	553.85	360	0.0
AAA	138.195	241.79	360	0.0
AAA	74.115	-240.23	360	0.0
AAA	26.745	-869.91	360	0.0

OK, that's the coordinates done. In practice, you need to do this for every object you have defined in your layout. If you have a spreadsheet, you can save yourself a lot of time. Once you have your layout .mis file, you can convert that entirely into layout coordinates in a few minutes by importing it into a spreadsheet and doing all the mathematical calculations column by column.

What is Dispersal_Order?

There are two things left to do to complete your layout. First you need to generate Dispersal_Order numbers for all the layout objects. Dispersal_Order numbers are just random integers that are used by SEOW to park aircraft at random over the airbase. This simulates dispersal, making life hard for strafing aircraft. Every object in your layout needs a different Dispersal_Order number. You can copy these numbers from other airbase layouts in the SEOW database if you like; this is perfectly good practice.

Finally you need to assign an Airbase_Type number to your new layout. You MUST choose an Airbase_Type that has not already been used. By convention, Airbase_Types < 100 refer to normal airbases, whilst Airbase_Types greater than 99 and less than 200 are used for temporary airbases, and Airbase_Types greater than 199 are used for seaplane bases.

How do you Apply a Layout to an Actual Airfield?

Once you have a layout designed and added to the Airbase_Layouts table, you can use it very easily. The Airbases table in the SEOW database contains all the airbases defined in SEOW, along with their landing and takeoff *map coordinates*. Each airbase in the table has an associated Airbase_Type value. So, e.g., if you had designed a great new scenery layout for Ortheuville Airbase on the Ardennes map and, say, you gave it the new Airbase_Type value of 30 in the Airbase_Layouts table, then to use that new layout in your campaign, just find the Ortheuville record in the Airbases table and change the corresponding Airbase_Type field to 30. That's it!

Of course, we need to be careful about not allocating new layouts to existing Airbase_Types. Here are the general rules as of SEOW v3.1.0:

- Normal Airbases are allocated types 1-99

- Concrete airbases are types 6, 7, 10 To 14, 16, 18, 19, 25, 27, 39, 50, 51, 52, 53, 66, 67; these airbases are allocated an electric runway light for each RL directive.
- All other airbases are deemed to be grass strips and are allocated campfires for each RL directive.
- Temporary Airbases are allocated types 100-199
- Seaplane Bases are allocated types 200-299

Example Layout: Airbase_Type = 110 (Temporary Glider Airbase)

Here is a simple, minimalist example for a glider airbase layout, contributed by RAF74_Wildcard. You can see it has the minimum number of ACHS, AAA, AB_Fuel, LANDING and TAKEOFF objects required, and it has two FB+PF temporary runways, end to end, so the gliders can roll on a flat surface behind the towplane. The Dispersal_Order numbers are not really important here.

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
1	110	LANDING	0	480	360	0
2	110	ships.Ship\$RwySteelLow	0	0	450	0
3	110	ships.Ship\$RwyTransp	0	1290	450	0
4	110	TAKEOFF	0	-480	360	0
5	110	AAA	200	-300	360	0
6	110	AB_Fuel1_1	-200	300	360	0
7	110	ACHS	300	0	540	0

Example Layout: Airbase_Type = 53 (Peterhead Airbase, North Sea; Lingen-Ems Airbase, Ostfriesland)

By contrast, here is a large, complex airbase layout for the Peterhead and Lingen-Ems Airbases in the North Sea and Ostfriesland maps, respectively. Note how the Fuel objects are numbered, the second number (after the underscore character) indicates the maximum capacity of the fuel tank in kilolitres. At the moment SEOW does not place fuel tanks at airbases, but AB_Fuel records are still required for all airbase layouts.

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
59	53	ACHS	-283.28	-763.54	240	0
97	53	SIREN	-128.22	663	689.49	0
149	53	BALLOON	189.41	474.98	689.49	0
198	53	ACHS	-130.24	-45.03	405	0
282	53	RL	1.06	-1225.99	360	0
293	53	BALLOON	-327.88	627.21	689.49	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
314	53	RL	21.68	-0.1	360	0
354	53	RL	-17.82	-0.07	360	0
517	53	ACHS	-504.55	169.5	240	0
690	53	RL	21.05	-949.65	360	0
701	53	RL	-17.88	-55.95	360	0
723	53	GRNL	-215.76	918.34	360	42.28
749	53	ACHS	-245.31	-644.38	495	0
793	53	RL	-256.45	1243.93	360	0
794	53	RL	3.01	1454.6	360	0
840	53	GRNL	-215.81	918.41	360	42.28
877	53	ACHS	-148.24	188.6	345	0
914	53	RL	-18.43	-951.78	360	0
928	53	ACHS	-236.19	945.77	315	0
945	53	RL	22.36	837.89	360	0
951	53	ACHS	-116.2	463.17	345	0
981	53	ACHS	-120.54	-515.07	375	0
984	53	ACHS	-368.07	529.27	375	0
1002	53	ACHS	217.91	779.61	524.1	0
1005	53	ACHS	269.62	1202.56	509.1	0
1039	53	RL	-17.33	335.1	360	0
1078	53	ACHS	68.77	1323.07	464.1	0
1092	53	AB_Fuel10_50	-251.84	-156.2	719.49	0
1098	53	RL	-78.15	-1067.32	360	0
1119	53	ACHS	335.39	-860.68	180	0
1168	53	RL	-16.78	893.8	360	0
1197	53	RL	-69.93	518.86	360	0
1210	53	SL	524.42	-894.1	689.49	0
1246	53	RL	3.15	1416.54	360	0
1338	53	ACHS	111.25	-9.94	524.1	0
1345	53	RL	3.09	1497.28	360	0
1501	53	ACHS	-430.71	-735.35	375	0
1537	53	RL	21.97	391.05	360	0
1548	53	ACHS	237.76	-90.28	195	0
1635	53	RL	-77.75	490.7	360	0
1662	53	ACHS	88.62	840.1	210	0
1666	53	ACHS	-135.78	-1121.32	330	0
1854	53	ACHS	175.43	691.42	539.1	0
1867	53	ACHS	171.73	1293.98	524.1	0
1908	53	RL	-17.52	279.28	360	0
1911	53	ACHS	-197.52	-451.27	375	0
1911	53	ACHS	-130.24	-989.73	300	0
1950	53	SL	312.26	1318.28	689.49	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
1987	53	RL	-76.99	964.55	360	0
1999	53	ACHS	-451.68	346.14	225	0
2050	53	ACHS	-356.74	-838.04	524.1	0
2057	53	RL	-17.86	-111.83	360	0
2081	53	SL	312.26	1237.27	689.49	0
2084	53	SL	-173.81	-918.77	689.49	0
2090	53	RL	21.66	-111.72	360	0
2126	53	ACHS	-453.85	-253.9	524.1	0
2186	53	RL	-17.97	78.23	360	0
2238	53	TAKEOFF	2.02	943.56	0	0
2285	53	AAA	442.48	1476.74	689.49	0
2352	53	DL	-209.6	923.97	360	22.34
2376	53	AAA	487.86	-412.62	689.49	0
2388	53	LANDING	-2.03	-943.57	0	0
2399	53	RL	-16.69	1416.44	360	0
2406	53	ACHS	-234.13	791.85	420	0
2408	53	RL	2.95	1537.7	360	0
2411	53	SIREN	-204.39	1244.46	689.49	0
2514	53	ACHS	-576.7	-45.32	390	0
2608	53	BALLOON	364.95	1122.76	689.49	0
2680	53	ACHS	-412.79	-981.91	285	0
2736	53	ACHS	63.1	-613.48	480	0
2751	53	ACHS	-305.12	-381.21	330	0
2794	53	RL	-17.07	782.08	360	0
2801	53	RL	22.11	446.89	360	0
2806	53	RL	-17.11	614.42	360	0
2828	53	ACHS	-277.77	-982.78	300	0
2840	53	ACHS	-199.05	877.03	375	0
2950	53	RL	23.1	1388.5	360	0
2971	53	ACHS	-510.74	-640	360	0
2992	53	ACHS	-284.41	-602.17	480	0
3151	53	ACHS	-570.25	-462.41	375	0
3171	53	RL	-17.59	223.47	360	0
3223	53	SIREN	-150.65	-907.55	689.49	0
3298	53	ACHS	-195.8	79.63	375	0
3305	53	ACHS	-209.42	467.23	329.49	0
3306	53	BALLOON	374.27	-780.2	689.49	0
3367	53	ACHS	-178.7	1254.72	420	0
3412	53	ACHS	-486.64	-169.19	210	0
3420	53	RL	-157.35	924.49	360	0
3428	53	ACHS	-590.9	-322.36	315	0
3475	53	RL	-58.78	-951.66	360	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
3519	53	ACHS	252.08	-1001.27	524.1	0
3521	53	SL	-394.85	-1068.06	689.49	0
3522	53	BALLOON	467.48	7.39	689.49	0
3547	53	ACHS	-213.26	-791.22	315	0
3563	53	RL	-58.08	78.01	360	0
3652	53	RL	-76.75	1244.13	360	0
3684	53	RL	-58.03	58.56	360	0
3717	53	ACHS	186.05	1067.27	524.1	0
3717	53	RL	-78	-113.17	360	0
3740	53	RL	21.12	-782.12	360	0
3774	53	ACHS	-370.97	-948.92	270	0
3788	53	ACHS	-500.59	-87.89	495	0
3792	53	AB_Fuel3_200	-296.36	-216.93	684.49	0
3792	53	RL	22.02	335.21	360	0
3807	53	RL	-157.24	964.75	360	0
3843	53	RL	1.12	-1198.45	360	0
3861	53	AAA	-360.47	-645.53	689.49	0
3904	53	RL	22.76	1229.16	360	0
3919	53	RL	20.74	-1117.07	360	0
3922	53	RL	-125.72	773.07	360	0
4038	53	GRNL	-215.73	918.43	360	42.28
4045	53	ACHS	-168.56	339.12	375	0
4052	53	BALLOON	-407.11	-537.87	689.49	0
4063	53	RL	-224.67	646.35	360	0
4126	53	RL	21.16	-894	360	0
4143	53	RL	-18.01	-335.36	360	0
4170	53	ACHS	-485.63	57.58	180	0
4173	53	ACHS	-106.13	1373.74	375	0
4244	53	RL	20.82	-1177.02	360	0
4245	53	ACHS	-120.54	-181.24	330	0
4251	53	RL	-18.26	-838.11	360	0
4272	53	RL	-202.44	849.2	360	0
4366	53	RL	-38.74	-1087.59	360	0
4384	53	RL	21.86	223.48	360	0
4389	53	ACHS	-265.03	1093.04	360	0
4400	53	DL	-256.05	1190.35	360	22.8
4410	53	ACHS	-104.24	1271.53	375	0
4418	53	DL	-255.48	1170.94	360	22.8
4445	53	ACHS	-474.32	-360.86	210	0
4448	53	RL	22.46	893.89	360	0
4461	53	RL	193.82	1318.4	360	0
4525	53	RL	22.27	949.91	360	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
4551	53	RL	-16.55	1284.9	360	0
4712	53	RL	-16.36	1117.26	360	0
4750	53	RL	-210.91	660.11	360	0
4800	53	ACHS	281.16	535.82	524.1	0
4802	53	ACHS	202.21	-698.46	494.49	0
4804	53	RL	-18.47	-932.06	360	0
4886	53	ACHS	-286.14	736.65	375	0
4913	53	RL	-18.44	-614.88	360	0
4973	53	RL	-18.65	-1176.94	360	0
4978	53	ACHS	-257.92	628.54	375	0
5043	53	RL	-16.86	1005.49	360	0
5051	53	AAA	460.08	676.49	689.49	0
5054	53	RL	21.39	-335.29	360	0
5076	53	RL	-18.38	-782.15	360	0
5076	53	ACHS	-185.87	557.09	299.49	0
5079	53	DL	-255.44	1170.93	360	22.8
5099	53	RL	-169.15	816.76	360	0
5105	53	ACHS	-299.75	-889.09	480	0
5188	53	RL	-17.96	58.3	360	0
5279	53	ACHS	-456.71	-477.2	495	0
5284	53	ACHS	214.68	277.71	539.1	0
5326	53	RL	-58.4	490.77	360	0
5356	53	RL	22.88	1285.07	360	0
5371	53	ACHS	-173.18	-326.23	345	0
5382	53	RL	21.11	-726.38	360	0
5452	53	RL	-182.97	830.63	360	0
5457	53	ACHS	-197.51	1347.48	390	0
5464	53	RL	20.98	-838.15	360	0
5557	53	AB_Fuel2_200	-294.54	-198.17	684.49	0
5579	53	AAA	-336.93	135.51	689.49	0
5676	53	ACHS	133.87	-1108.39	195	0
5722	53	AB_Fuel6_50	-275.09	-126.47	719.49	0
5740	53	SL	-172.65	-814.61	689.49	0
5780	53	ACHS	312.92	-515.09	195	0
5798	53	RL	-57.45	964.64	360	0
5859	53	RL	22.09	558.67	360	0
5903	53	ACHS	-102.99	-873.83	390	0
5926	53	RL	-315.03	736.73	360	0
5927	53	RL	-16.93	726.24	360	0
5946	53	RL	272.68	-1127.11	360	0
5987	53	ACHS	-293.92	463.7	240	0
5988	53	RL	-18.16	-558.75	360	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
5989	53	RL	-17.67	-167.7	360	0
5998	53	RL	-18.54	-1005.66	360	0
6005	53	RL	22.34	726.3	360	0
6011	53	RL	22.62	1061.48	360	0
6017	53	ACHS	-172.18	-1070.65	390	0
6041	53	RL	21.19	-670.46	360	0
6057	53	RL	-16.91	1061.19	360	0
6123	53	BALLOON	-446.26	-1037.14	689.49	0
6126	53	DL	-209.62	924	360	22.34
6324	53	ACHS	250.69	-770.41	195	0
6337	53	RL	21.78	111.76	360	0
6349	53	BL	-283.41	1105.88	360	25.1
6363	53	BL	-257.18	1100.73	360	26.4
6425	53	ACHS	-334.51	-755.67	300	0
6438	53	ACHS	101.09	-496.14	509.1	0
6456	53	RL	-177.05	924.37	360	0
6467	53	BL	-257.15	1086.16	360	26.4
6480	53	RL	-17.33	502.63	360	0
6518	53	ACHS	-104.66	-392.44	300	0
6575	53	RL	272.09	-876.86	360	0
6593	53	RL	190.79	901.22	360	0
6620	53	ACHS	-307.94	691.01	330	0
6633	53	AB_Fuel1_200	-294.81	-176.47	684.49	0
6633	53	RL	22.49	1005.45	360	0
6644	53	ACHS	-64.63	584.71	389.49	0
6674	53	ACHS	-341.11	312.26	240	0
6764	53	RL	23.04	1416.45	360	0
6797	53	RL	-17.38	916.77	360	0
6825	53	BALLOON	-332.92	1511.09	689.49	0
6833	53	RL	-17.13	956.19	360	0
6839	53	ACHS	247.92	-1107.93	210	0
6863	53	BALLOON	-629.25	137.88	689.49	0
6960	53	RL	22.37	782.26	360	0
6994	53	RL	1.16	-1176.76	360	0
7035	53	AB_Fuel7_50	-275.6	-142.42	719.49	0
7076	53	ACHS	147.72	1357.7	495	0
7108	53	RL	-17.65	111.75	360	0
7132	53	ACHS	-99.51	938.78	315	0
7239	53	ACHS	198.05	-916.78	195	0
7250	53	BL	-274.45	1093.72	360	25.1
7287	53	RL	20.93	-1005.69	360	0
7305	53	RL	-58.59	-931.9	360	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
7320	53	RL	21.11	-614.81	360	0
7322	53	RL	192.88	1108.2	360	0
7349	53	DL	-256.11	1210.26	360	22.8
7419	53	RL	21.5	-279.23	360	0
7439	53	RL	-78.2	-951.31	360	0
7480	53	ACHS	102.01	393.15	509.1	0
7486	53	RL	-256.59	924.56	360	0
7531	53	RL	-16.74	1228.93	360	0
7628	53	RL	-38.83	-1107.09	360	0
7647	53	RL	22.76	1117.53	360	0
7721	53	ACHS	-171.18	671.73	195	0
7738	53	AAA	-441.65	673.35	689.49	0
7780	53	RL	21.65	-55.87	360	0
7817	53	RL	22.68	1173.48	360	0
7831	53	RL	-111.99	759.41	360	0
7851	53	RL	1.11	-1252.38	360	0
7857	53	RL	-17.76	-502.85	360	0
7925	53	RL	21.93	279.3	360	0
7963	53	DL	-256.1	1210.25	360	22.8
7968	53	RL	-78.2	-931.69	360	0
7970	53	RL	21.6	-223.37	360	0
7990	53	ACHS	394.4	-1044.87	539.49	0
7993	53	AAA	363.93	-958.57	689.49	0
8032	53	AB_Fuel5_50	-252.16	-126.79	719.49	0
8084	53	RL	-256.74	1068.19	360	0
8117	53	ACHS	-403.79	-899.04	345	0
8122	53	ACHS	-355.47	396.95	210	0
8131	53	RL	21.93	167.59	360	0
8135	53	ACHS	303.42	984.91	524.49	0
8148	53	ACHS	-313.35	-458.88	375	0
8220	53	RL	-18.66	-1117.41	360	0
8233	53	RL	22.32	670.48	360	0
8241	53	ACHS	-227.17	-899.58	434.1	0
8300	53	BL	-283.43	1081.16	360	25.1
8333	53	AB_Fuel8_50	-252.48	-141.14	719.49	0
8336	53	RL	22.94	1340.79	360	0
8403	53	AAA	-325.28	-1093.88	689.49	0
8462	53	AAA	-627.49	1429.32	689.49	0
8472	53	ACHS	255.77	-651.72	524.1	0
8484	53	RL	-18.27	-894.11	360	0
8503	53	RL	-17.16	558.64	360	0
8554	53	AB_Fuel9_50	-275.03	-157.8	719.49	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
8564	53	RL	-16.54	1173.12	360	0
8585	53	RL	21.43	-390.94	360	0
8601	53	ACHS	-372.4	-600.36	539.1	0
8641	53	RL	21.28	-446.9	360	0
8658	53	RL	-16.69	1340.47	360	0
8677	53	RL	21.21	-558.68	360	0
8680	53	RL	21.72	55.94	360	0
8801	53	ACHS	-105.77	817.08	375	0
8834	53	ACHS	158.13	1206.41	494.49	0
8854	53	RL	-78.05	-132.72	360	0
8861	53	RL	-17.9	-391.14	360	0
8861	53	RL	-17.11	670.39	360	0
8886	53	ACHS	-134.46	882.27	345	0
8890	53	RL	22.04	502.76	360	0
8995	53	ACHS	178.2	935.22	210	0
9009	53	ACHS	-233.2	1220.54	434.1	0
9027	53	ACHS	91.39	554.29	195	0
9045	53	RL	-18.05	-726.44	360	0
9089	53	SL	-407.58	754.68	689.49	0
9102	53	RL	-16.3	1388.69	360	0
9150	53	RL	-17.89	-279.35	360	0
9163	53	RL	21.32	-502.71	360	0
9185	53	SL	-378.65	846.11	689.49	0
9229	53	RL	-58.79	-1067.39	360	0
9256	53	RL	-83.62	505.19	360	0
9335	53	RL	-18.13	-447.02	360	0
9339	53	RL	-17.17	446.81	360	0
9429	53	RL	-17.38	390.84	360	0
9431	53	RL	-57.19	1244.23	360	0
9458	53	RL	-16.97	837.98	360	0
9479	53	RL	20.78	-1061.52	360	0
9491	53	RL	21.58	-167.54	360	0
9508	53	ACHS	-163.94	-708.54	360	0
9619	53	RL	22.09	614.62	360	0
9620	53	RL	-18.52	-1061.6	360	0
9623	53	RL	-17.88	-223.5	360	0
9697	53	ACHS	-618.64	-193.56	375	0
9727	53	AB_Fuel4_200	-296.49	-231.47	684.49	0
9774	53	GRNL	-215.76	918.48	360	42.28
9790	53	RL	-18.66	-1077.53	360	0
9860	53	RL	-17.41	167.49	360	0
9877	53	RL	273.22	-626.53	360	0

Airbase_Layouts						
Dispersal_Order	Airbase_Type	Airbase_Object	Object_X	Object_Y	Object_Z	Object_A
9925	53	ACHS	387.36	-699.3	524.1	0
9958	53	ACHS	122.33	-288.83	210	0
9958	53	RL	-18.14	-670.59	360	0
9959	53	ACHS	227.14	-369.17	539.1	0
9976	53	DL	-256.03	1190.36	360	22.8

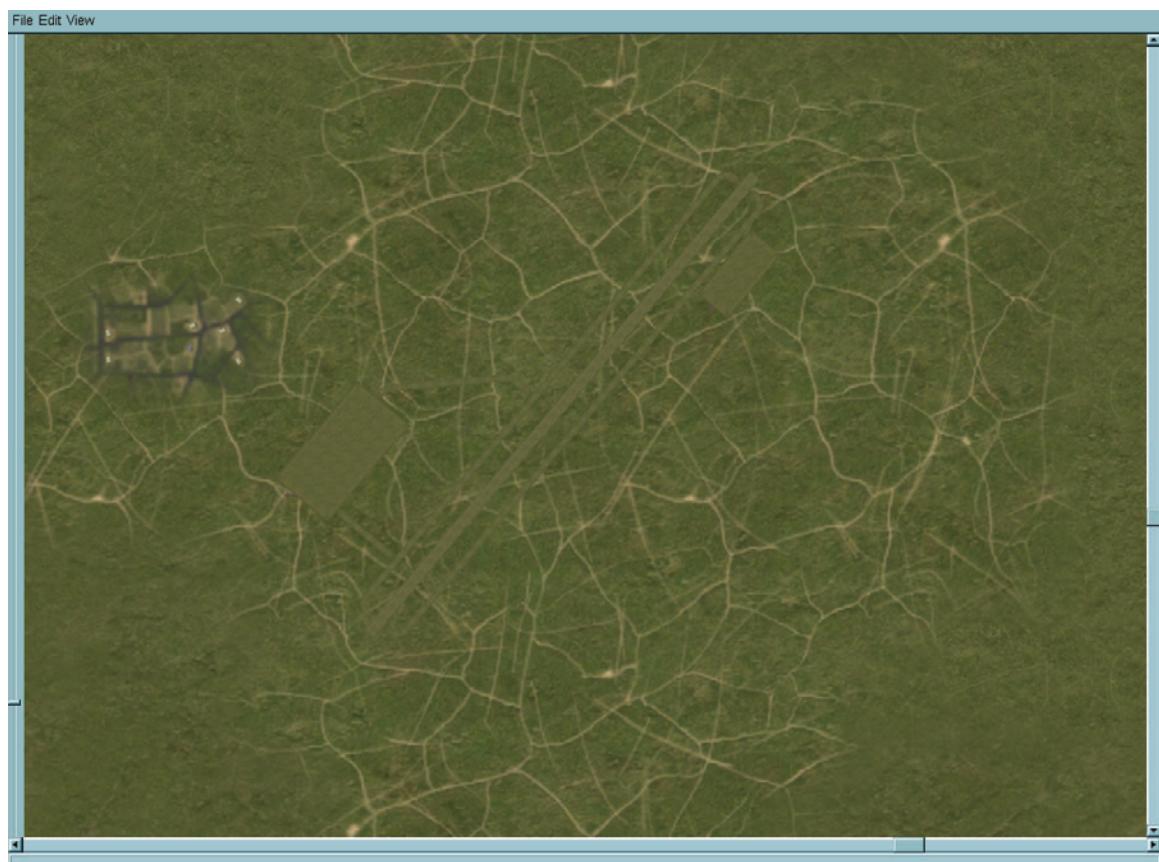
SEOW Default Airbases and Layouts

In this section we will list all the default SEOW airbases and layout types. By convention, grass and sand strips in SEOW are usually called “Fields”, while concrete strips are called “Airbases”. For each supported Airbase_Type we will list the corresponding airbases on the SEOW maps, and give a picture of the layout.

Airbase_Type = 1

Map	Airbase_Name
Ardennes	Frankfurt Field
Berlin	Sperenberg South Field
Berlin	Sulechow Airfield
Crimea	Krasnogvardeyskoye Field
Crimea	Ogorodnoye East Field
Crimea	Ogorodnoye West Field
Crimea	Saki Field
Gulf of Finland	Hepoharju Field
Gulf of Finland	Jappila Field
Gulf of Finland	Kaukjarvi Field
Gulf of Finland	Kilpasilta Field
Gulf of Finland	Lappeenranta Field
Gulf of Finland	Petajarvi Field
Gulf of Finland	Sakkola Field
Gulf of Finland	Siverskaya Field
Gulf of Finland	Triigi Field
Gulf of Finland	Veschevo Field
Italy	Bolzano Field
Italy	Lonate Pozzolo Field
Italy	Porto Torres Field
Kuban	Anapa North Field
Kuban	Kholmskaya Field
Kuban	Pashkovsky Field
Kuban	Rayevskaya Field
Kuban	Tuapse Field
Kursk	Livny South Field
Kursk	Lokot Field
Kursk	Orel South Field
Kursk	Tagino Field
Lvov	Mihalovtsze Field
Moscow	Medyn North Field
Moscow	Vyazma East Field
Normandy	St Romain Airfield
Okinawa	Naha Field

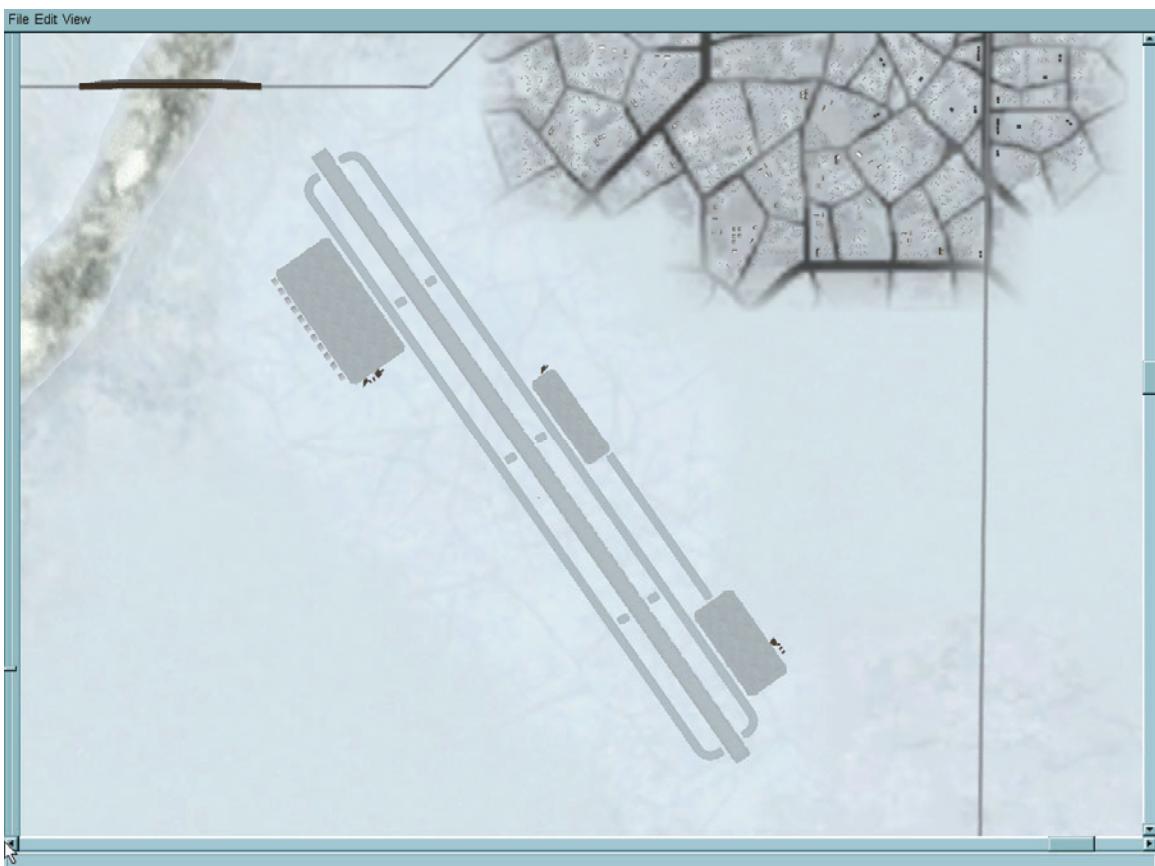
Map	Airbase_Name
Ostfriesland	Enschede Airfield
Ostfriesland	Osnabrueck Airfield
Ostfriesland	Quakenbrueck Airfield
Prokhorovka	Belyi Colodec Field
Prokhorovka	Belyi Colodec Field
Prokhorovka	Oboyan Field
Prokhorovka	Oboyan Field
Prokhorovka	Solintsevo Field
Prokhorovka	Solintsevo Field
Smolensk	Mogilev Field
Smolensk	Vorony Field
Stalingrad	Stalingrad South Field
Stalingrad	Znamensk Field



Belyi Colodec Field, Prokhorovka

Airbase_Type = 2

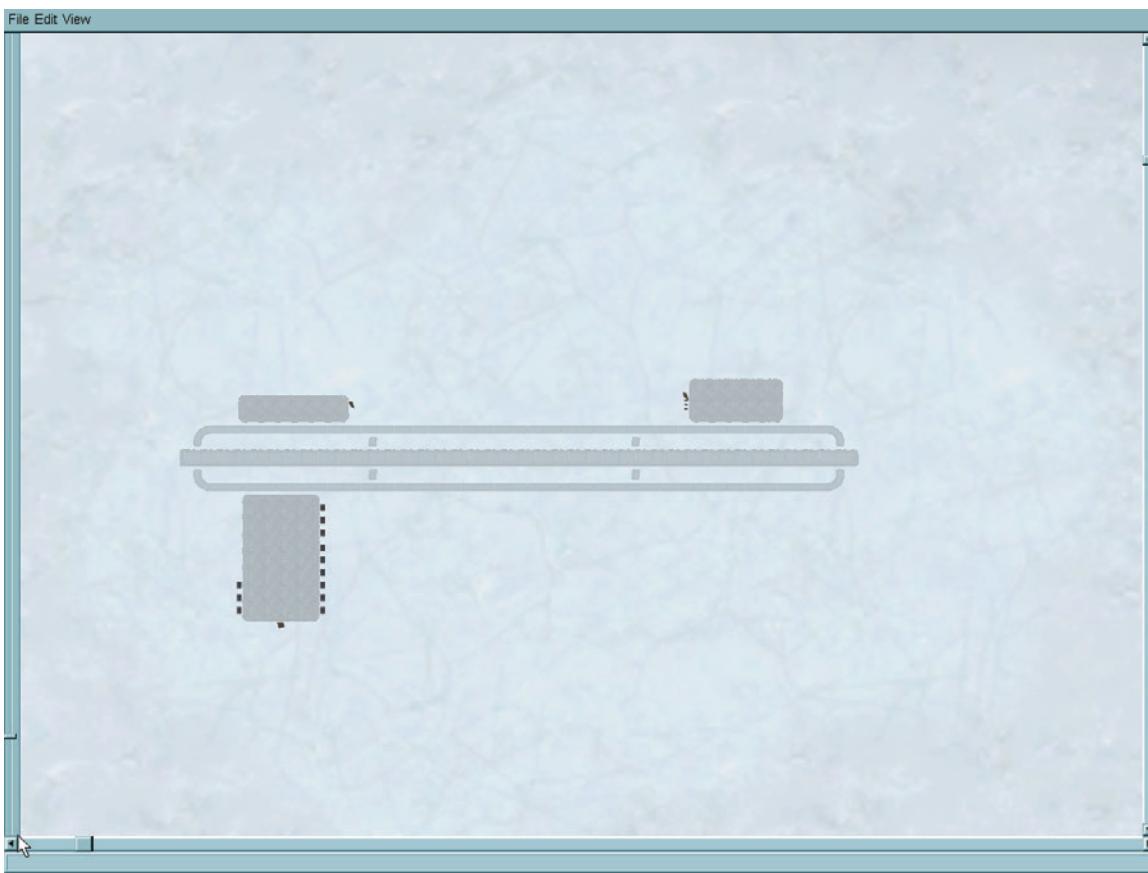
Map	Airbase_Name
Ardennes	Merzhausen Field
Ardennes	Metzbroek Field
Berlin	Temporary Airfield 1
Berlin	Temporary Airfield 2
Crimea	Azovskoye Field
Crimea	Dzhankoy East Field
Crimea	Lenino Field
Gulf of Finland	Kolkkala Field
Gulf of Finland	Rahkla Field
Gulf of Finland	Rompotti Field
Gulf of Finland	Seiskari Field
Kuban	Korenovsk Field
Kuban	Krasnoarmeyskaya Field
Kuban	Krymskaya Field
Kurland	Cranz
Kurland	Libau-Nord
Kursk	Sinezerskiy Field
Kursk	Somovo Field
Kursk	Telegino Field
Malta	Gozo Airfield
Moscow	Istra Field
Moscow	Medyn South Field
Moscow	Ugra Field
Normandy	Octeville Airfield
Okinawa	Kadena Field
Oslo	Barkaker Strip
Oslo	Hallingstad Airfield
Oslo	Horton Airfield
Oslo	Moss Airfield
Oslo	Saltkopp Strip
Prokhorovka	Sidorovka Field
Prokhorovka	Sidorovka Field
Smolensk	Obol Field
Smolensk	Pochinok Field
Smolensk	Yermolovichi Field
Stalingrad	Ilmen Field
Stalingrad	Volzhskiy Field



Merzhausen Field, Ardennes

Airbase_Type = 3

Map	Airbase_Name
Crimea	Bagerovo Field
Crimea	Nizhnegorskiy Field
Gulf of Finland	Suulajarvi Field
Kuban	Anapa East Field
Kuban	Novomyshastovskaya Field
Kuban	Voykovo Field
Kursk	Orel North Field
Kursk	Yatseno Field
Moscow	Naro-Fominsk Field
Prokhorovka	Belgorod Field
Prokhorovka	Belgorod Field
Prokhorovka	Proletarskiy Field
Prokhorovka	Proletarskiy Field
Singapore	Batu Pahat AF
Singapore	Endau North AF
Singapore	Endau South AF
Singapore	Kallang AF
Singapore	Kluang AF
Singapore	Nippon East AF
Singapore	Selangor AF
Singapore	Yong Peng AF
Smolensk	Lysovka Field
Stalingrad	Kachalino Field
Stalingrad	Kletskaya Field
Stalingrad	Novonikolskoe Field



Kletskaya Field, Stalingrad

Airbase_Type = 4

Map	Airbase_Name
Berlin	Swiebodzin Airfield
Berlin	Temporary Airfield 4
Crimea	Dozornoye Emergency Field
Crimea	Gvardeyskoye Emergency Field
Crimea	Oktyabrskoye Emergency Field
Crimea	Rovnoye Emergency Field
Gulf of Finland	Kronshtadt Field
Kuban	Dinskaya Emergency Field
Kuban	Fedorovskaya Emergency Field
Kuban	Kalininskaya Emergency Field
Kuban	Khadyzhensk Emergency Field
Kuban	Krasnoarmeyskaya Emergency Field
Kuban	Martanskaya Emergency Field
Kuban	Ryazanskaya Emergency Field
Kurland	Akmene Emergency Field
Kurland	Autz Emergency Field
Kurland	Erzwilken Emergency Field
Kurland	Inkacliai Emergency Field
Kurland	Trappen Emergency Field
Kurland	Tukkum Emergency Field
Kurland	Warnen Emergency Field
Kurland	Zeilmen Emergency Field
Kursk	Kromy Emergency Field
Kursk	Kursk South Emergency Field
Kursk	Troitskoe Emergency Field
Moscow	Gzhatsk West Emergency Field
Moscow	Uvarovka Emergency Field
Smolensk	Baran Emergency Field
Smolensk	Katni Emergency Field
Smolensk	Yanovichi Emergency Field
Stalingrad	Khomichev Emergency Field
Stalingrad	Krasny Oktyabr Emergency Field
Stalingrad	Log Emergency Field
Stalingrad	Malie Derby Emergency Field
Stalingrad	Stepnoy Emergency Field



Dozornoye Emergency Field, Crimea

Airbase_Type = 5

Map	Airbase_Name
Ardennes	Bonn-Hangelar Field
Berlin	Debno Aerodrome
Crimea	Rovnoye West Field
Crimea	Sevastopol Far North Field
Crimea	Simferopol North Field
Crimea	Sovetskiy Field
Gulf of Finland	Agalatovo Field
Gulf of Finland	Borgi Field
Gulf of Finland	Gorskaya Field
Gulf of Finland	Humalaisten Field
Gulf of Finland	Kirovsk Field
Gulf of Finland	Kolpino Field
Gulf of Finland	Krasnaiagorka Field
Gulf of Finland	Kuzmolovskiy Field
Gulf of Finland	Lavansaari Field
Gulf of Finland	Leningrad Field
Gulf of Finland	Levashovo Field
Gulf of Finland	Manushkino Field
Gulf of Finland	Moriye Field
Gulf of Finland	Paakkola Field
Gulf of Finland	Pargolovo Field
Gulf of Finland	Pavlovo Field
Gulf of Finland	Piskarevka Field
Gulf of Finland	Porohovyie Field
Gulf of Finland	Pushkin Field
Gulf of Finland	Tosno Field
Gulf of Finland	Udelnaia Field
Gulf of Finland	Vsevolozhsk Field
Hawaii	Bellows Field
Hawaii	Bellows Field
Hawaii	Haleiwa Field
Hawaii	Haleiwa Field
Hawaii	Kaneohe NAS
Hawaii	Kaneohe Naval Air Station
Hawaii	Mast Field
Hawaii	Mast Field
Kuban	Andreevskaya Field
Kuban	Arhipo-Osipovka Field
Kuban	Mogukorovskiy Field
Kuban	Novotitarovskaya Field
Kuban	Petrovskaya Field

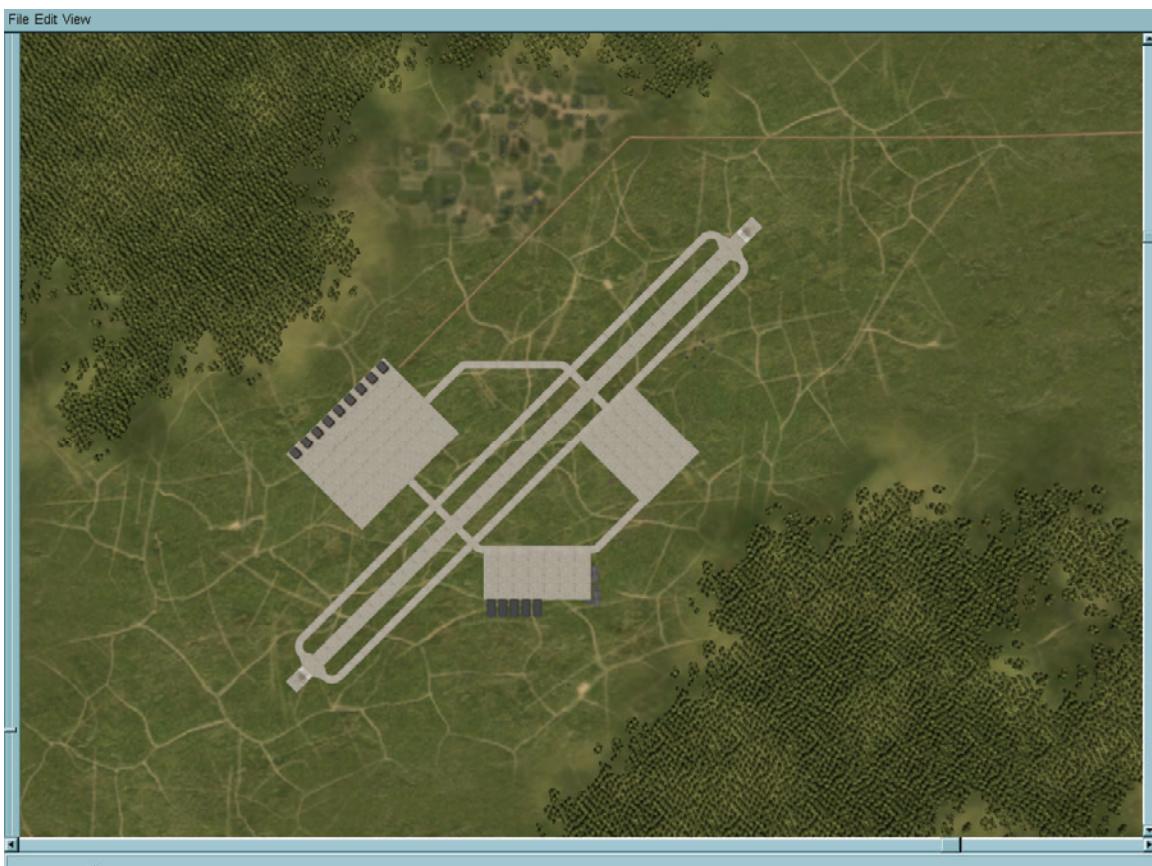
Map	Airbase_Name
Kurland	Mitau Field
Kurland	Polangen Field
Kurland	Raseinen Field
Kurland	Sairdak Field
Kurland	Schaken Field
Kurland	Tilsit Field
Kurland	Zabeln Field
Kursk	Ognevka Field
Lvov	Semiginov Field
Malta	Hal Far Airfield
Moscow	Gzhatsk North Field
Moscow	Iznoski Field
Moscow	Ostashevo Field
Moscow	Polotnianiy Zavod Field
Moscow	Volokolamsk Field
Murmansk	Kildin Field
Murmansk	Ura Guba Field
Normandy	Argentan Airfield
Oslo	Knatten Airfield
Oslo	Larkollen Airfield
Oslo	Manstad Strip
Oslo	Sarpsborg Strip
Prokhorovka	Belgorod North Field
Prokhorovka	Belgorod North Field
Prokhorovka	Stary Oskol Field
Prokhorovka	Stary Oskol Field
Singapore	Seietar AF
Smolensk	Babni Field
Smolensk	Pemnyless Field
Stalingrad	Katrichev Field
Stalingrad	Osinovskiy Field
Stalingrad	Vyazovka Field
Tunis	Annaba Field
Tunis	Constantine Field
Tunis	Hal Far Field
Tunis	Jalitah Field
Tunis	Rougga Field
Tunis	Smirat Field



Jalitah Field, Tunis

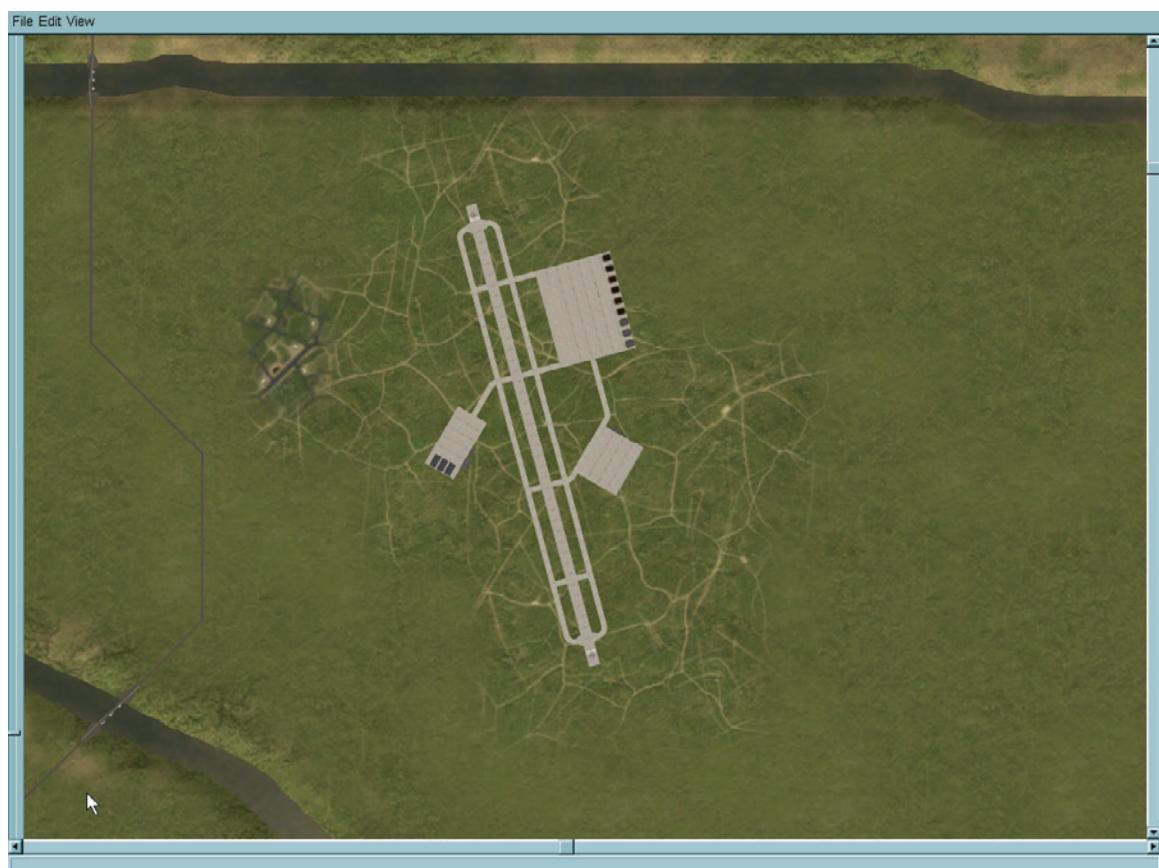
Airbase_Type = 6

Map	Airbase_Name
Berlin	Eberswalde Airbase
Berlin	Koenigs Far South Airbase
Berlin	Oranienburg Airbase
Crimea	Kerch Airbase
Kursk	Kursk East Airbase
Kursk	Ponyri Airbase
Lvov	Shyretsz Airbase
Moscow	Tuchkovo Airbase
Moscow	Vyazma North Airbase
Smolensk	Orsha East Airbase
Stalingrad	Pitomnik Airbase

**Shyretsz Airbase, L'vov**

Airbase_Type = 7

Map	Airbase_Name
Berlin	Gorzow Wielkopolski Airfield
Berlin	Luckenwalde Airbase
Berlin	Richthofen Airbase
Crimea	Dzhankoy Airbase
Crimea	Taman Airbase
Kuban	Krasnodar South Airbase
Kursk	Maloarkhangelsk Airbase
Kursk	Verkhovie Airbase
Lvov	Holmets Airbase
Smolensk	Bogushevsk Airbase
Stalingrad	Leninsk Airbase

**Dzhankoy Airbase, Crimea**

Airbase_Type = 8

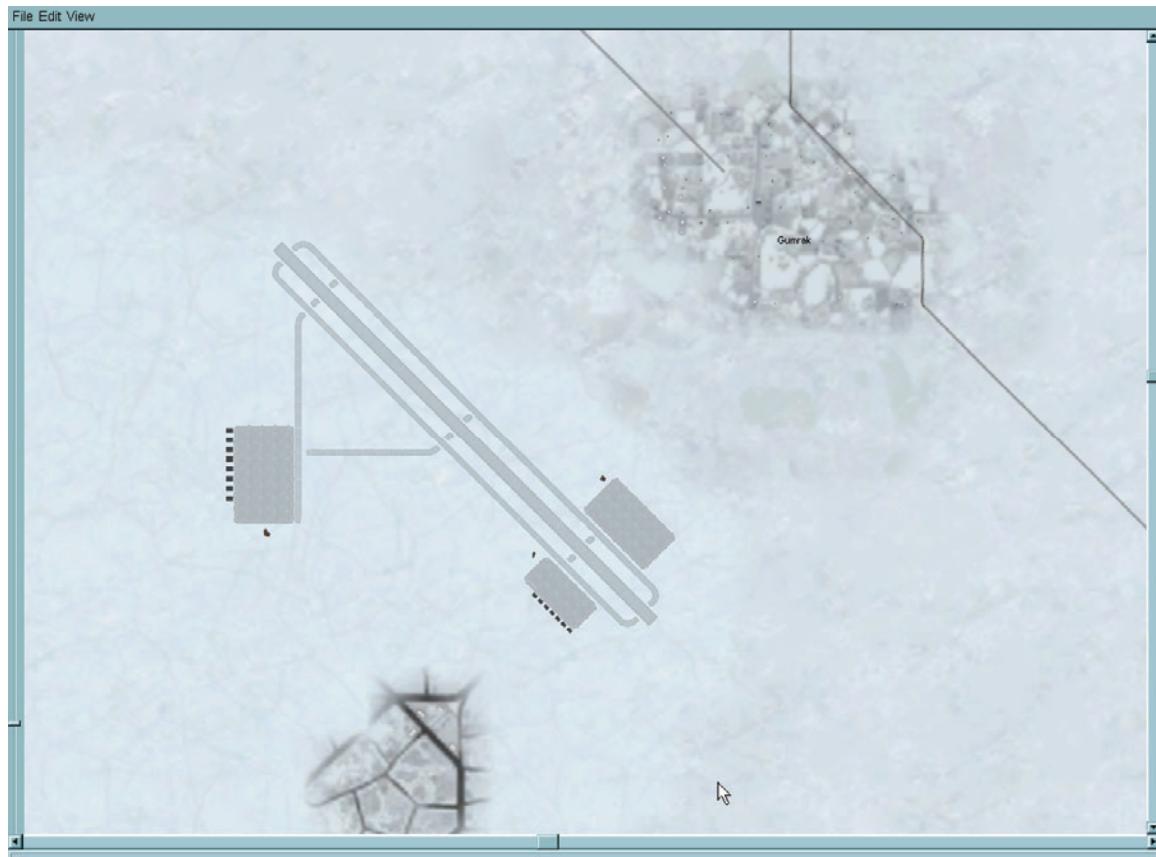
Map	Airbase_Name
Ardennes	Meinz Field
Berlin	Ludwigsfelde Field
Berlin	Temporary Airfield 3
Crimea	Koloski Field
Crimea	Rovnoye South Field
Crimea	Sevastopol East Field
Crimea	Vinogradovo Field
Gulf of Finland	Hyvinkaa Field
Gulf of Finland	Kymi Field
Gulf of Finland	Lyhvi-ahtme Field
Gulf of Finland	Nummela Field
Gulf of Finland	Rakvere Field
Gulf of Finland	Tallin Field
Gulf of Finland	Utti Field
Gulf of Finland	Viipuri Field
Kuban	Anastasiyevskaya Field
Kuban	Enem Field
Kuban	Novovelichkovskaya Field
Kuban	Staromyshastovskaya Field
Kuban	Taman Field (Kuban)
Kuban	Vasurinskaya Field
Kursk	Dmitrovsk-Orlovskiy Field
Kursk	Gastomoy Field
Kursk	Livny West Field
Lvov	Bzhozuv Field
Malta	Palermo Airfield
Moscow	Yukhnov Field
Normandy	St Martin Airfield
Oslo	Rekkestad Strip
Prokhorovka	Podolhi Field
Prokhorovka	Podolhi Field
Smolensk	Dubnovo Field
Smolensk	Vitebsk West Field
Stalingrad	Abganerovo Field



St Martin Field, Normandy

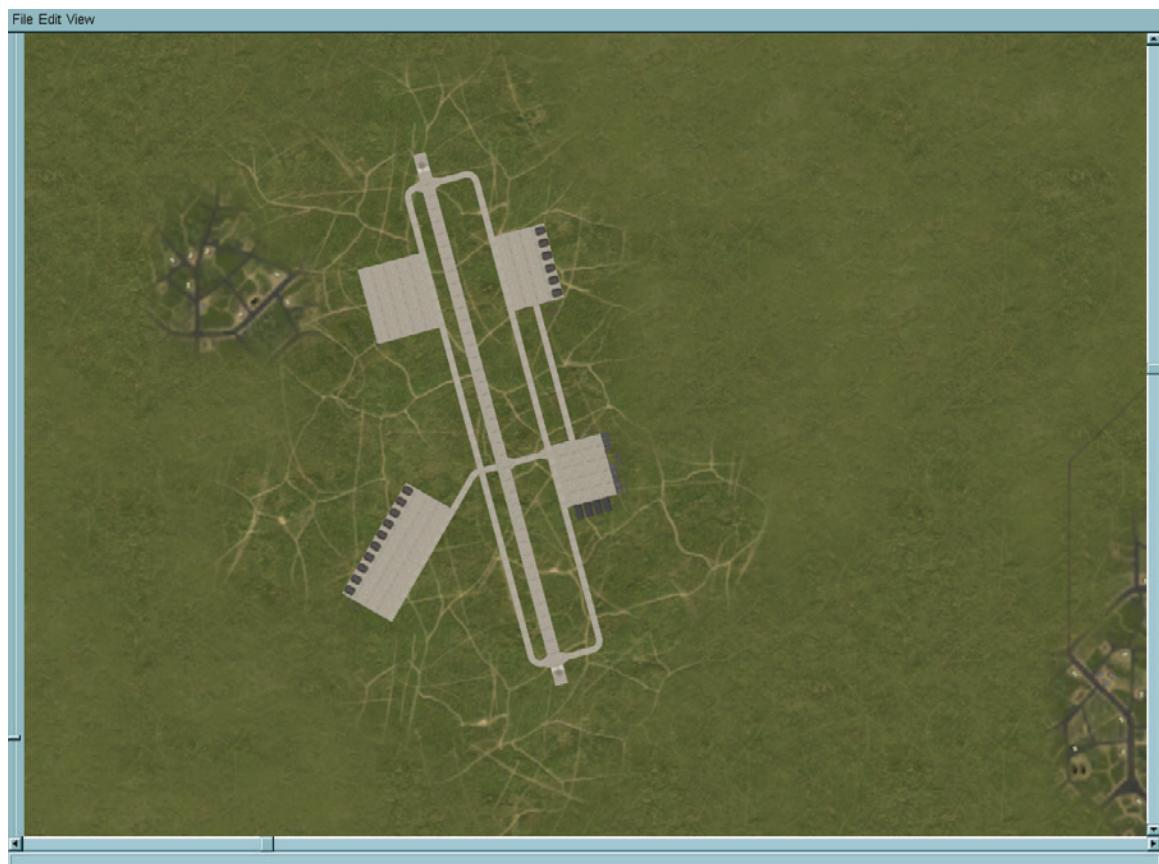
Airbase_Type = 9

Map	Airbase_Name
Berlin	Sperenberg North Field
Crimea	Kirovskoe Field
Crimea	Razdolnoe Field
Kuban	Abinskaya Field
Kuban	Dzhiginka Field
Kuban	Gelendzhik Field
Kuban	Goryachiy Kluch Field
Kuban	Vochepshiy Field
Kursk	Pervoavgustoskiy Field
Moscow	Balabanovo Field
Moscow	Karavaevo Field
Moscow	Rzhev Field
Smolensk	Bersino Field
Smolensk	Mstislavl Field
Smolensk	Smolensk South
Stalingrad	Gumrak Field
Stalingrad	Oktyabrskiy Field

**Gumrak Field. Stalingrad**

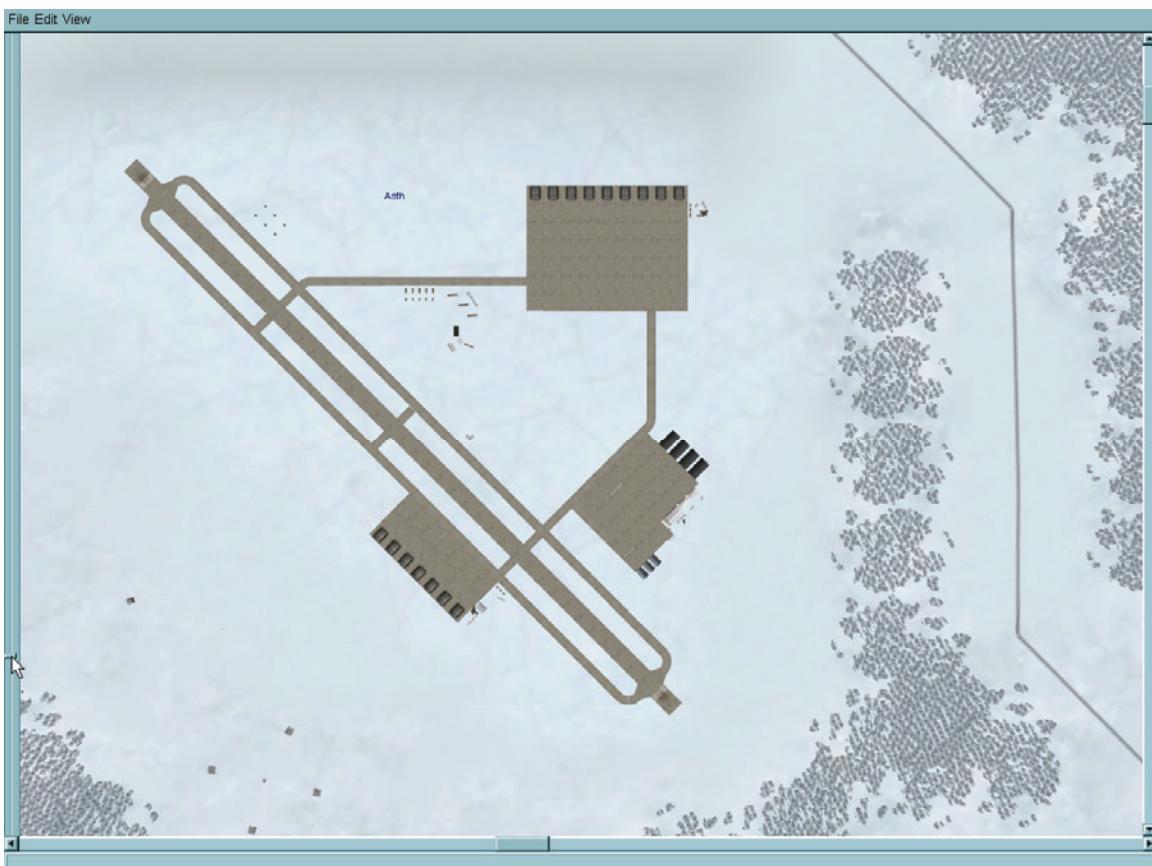
Airbase_Type = 10

Map	Airbase_Name
Berlin	Fuerstenwalde Airbase
Berlin	Galow Airbase
Crimea	Yevpatoria Airbase
Kuban	Novorossiysk Airbase

**Yevpatoria Airbase, Crimea**

Airbase_Type = 11

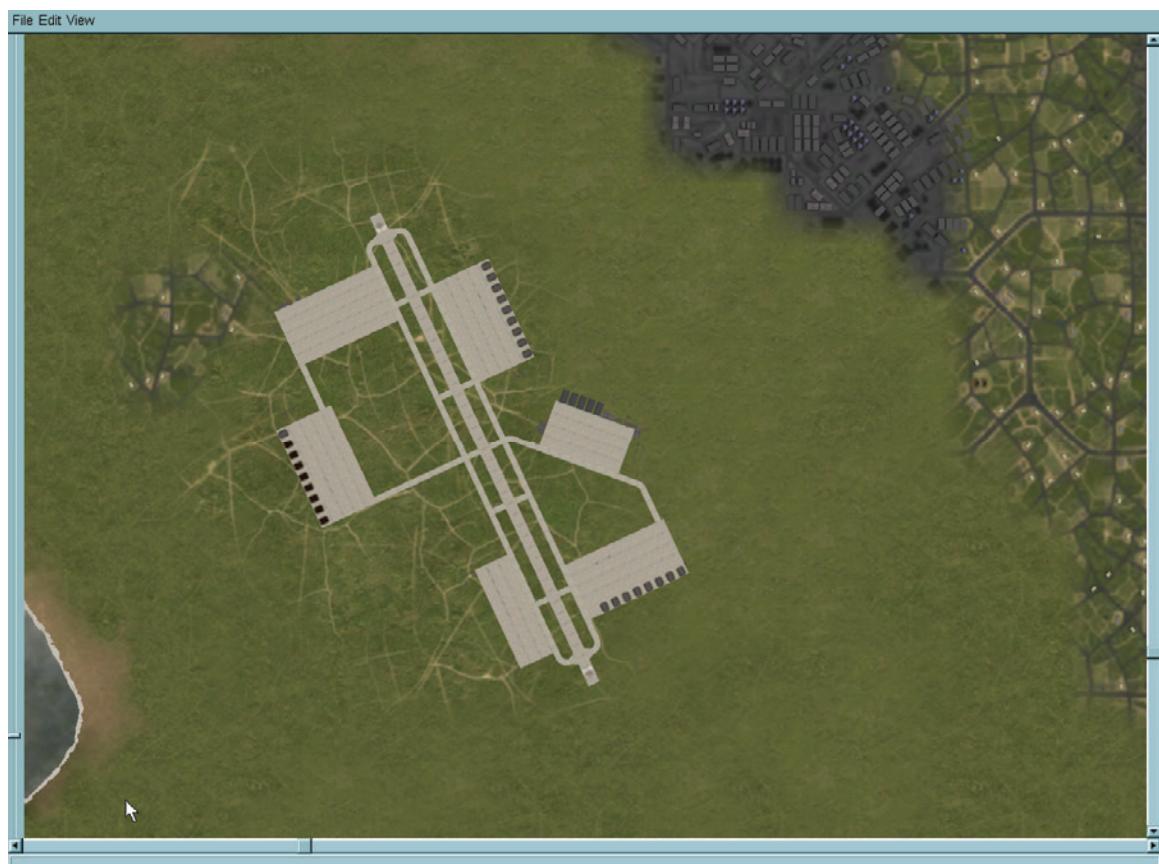
Map	Airbase_Name
Ardennes	Asth Airbase
Berlin	Immelman Aerodrome
Berlin	Nauen Airbase
Crimea	Sevastopol North Airbase
Hawaii	Hickam Field
Hawaii	Hickham Airbase
Hawaii	Wheeler Airbase
Hawaii	Wheeler Field
Kuban	Krasnodar North Airbase
Kyushu	Ashiya Airbase
Kyushu	Bansei Airbase
Marianas	Tinian Airfield 1
Moscow	Mozhaysk South Airbase
New Guinea	Jackson Airdrome
Normandy	British Airbase
Normandy	Carpiquet Airbase
Normandy	Maupertus Airbase
Normandy	St Paul Airbase
Okinawa	Yontan Airbase
Oslo	Tonsberg Airfield
Singapore	Dutch AF
Singapore	Johore AF
Singapore	Tengah AF
Smolensk	Vitebsk East Airbase



Asth Airbase, Ardennes

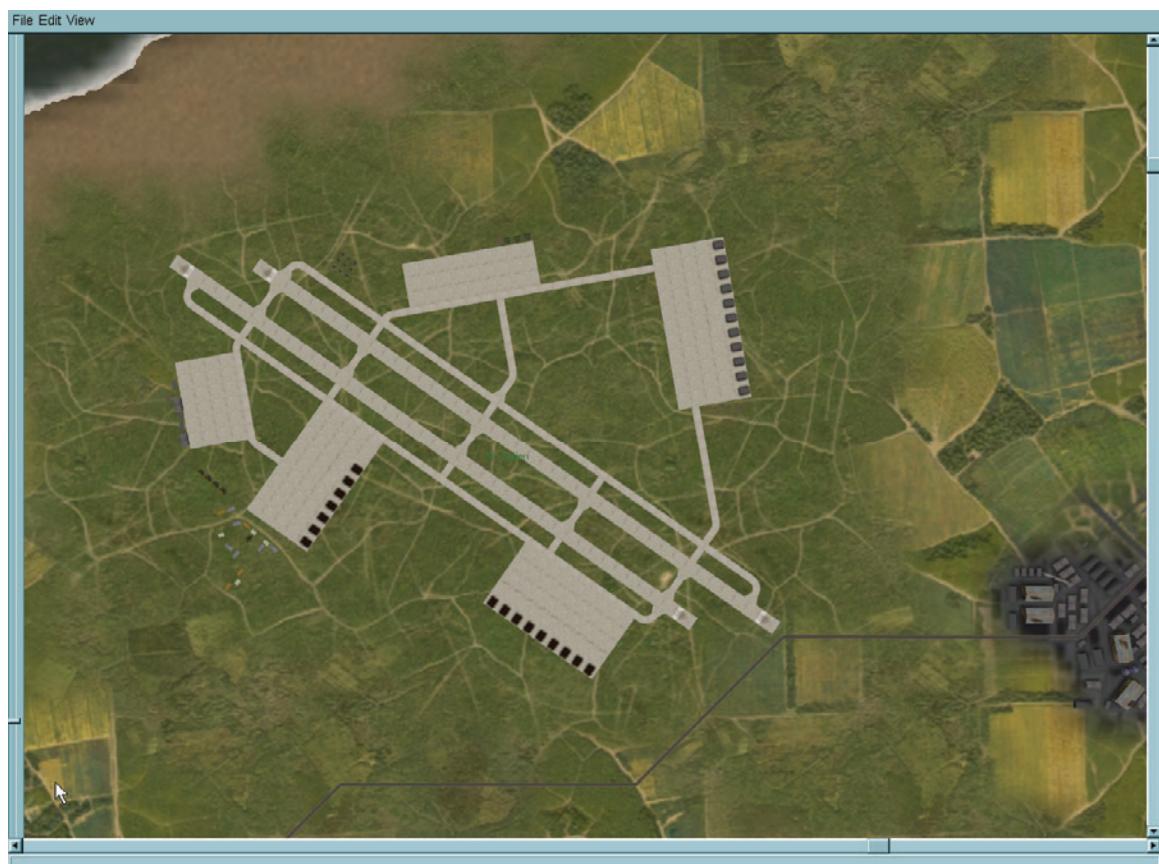
Airbase_Type = 12

Map	Airbase_Name
Berlin	Flight Test Centre
Berlin	Frankfurt Airbase
Crimea	Sevastopol Airbase
Crimea	Simferopol Airbase
Kursk	Orel West Airbase
Kursk	Stanovoe Airbase
Smolensk	Smolensk North Airbase

**Sevastopol Airbase, Crimea**

Airbase_Type = 13

Map	Airbase_Name
Berlin	Berlin Airbase
Berlin	Eisenhuettenstadt Airbase
Berlin	Schoenefeld South Airbase
Cyrenaica	Bir Harmat Airfield
Italy	Trapani Airbase
Normandy	St Gatien Airbase
Oslo	Ryygebyen Airfield

**St Gatien Airbase, Normandy**

Airbase_Type = 14

Map	Airbase_Name
Hawaii	Ford Airbase

**Ford Airbase, Hawaii**

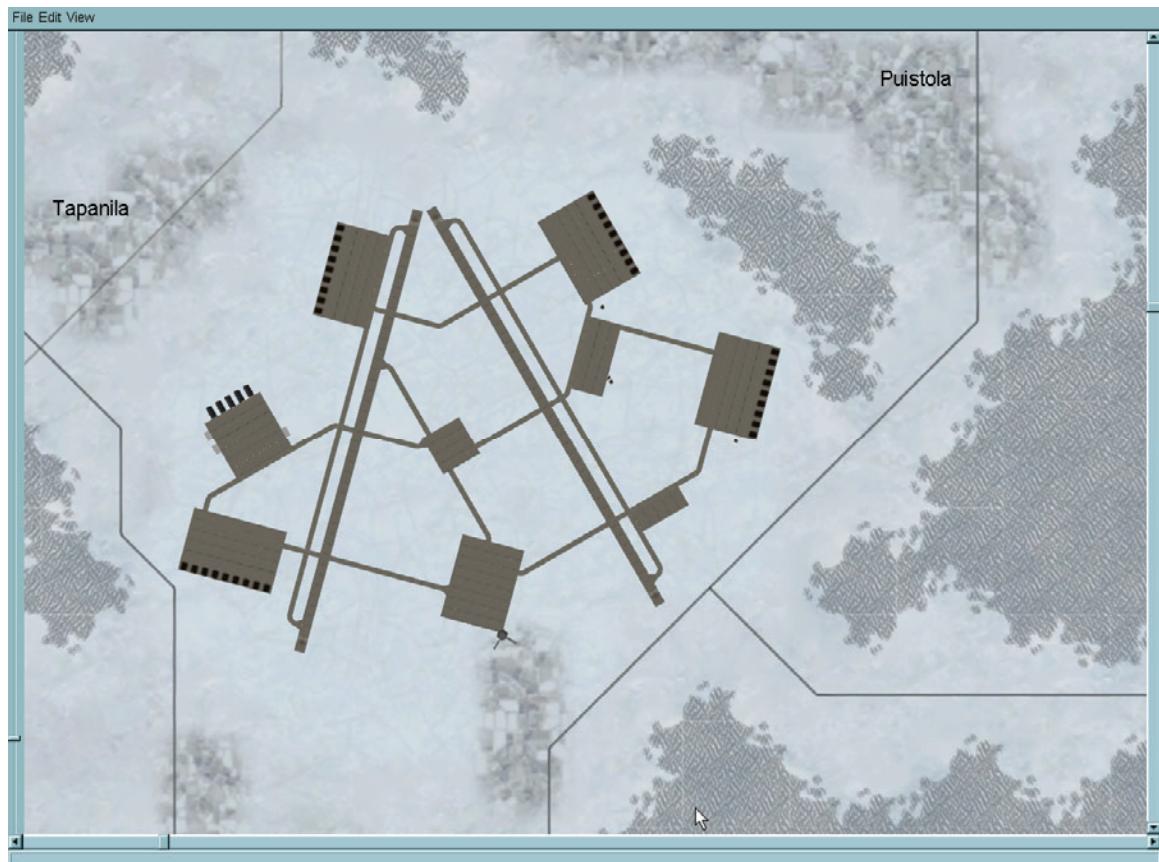
Airbase_Type = 15

Map	Airbase
Khalkhin Gol	Hailar Field
Murmansk	Ivalo Airbase

**Ivalo Airbase, Murmansk**

Airbase_Type = 16

Map	Airbase
Gulf of Finland	Malmi Airbase

**Malmi Airbase, Gulf of Finland**

Airbase_Type = 17

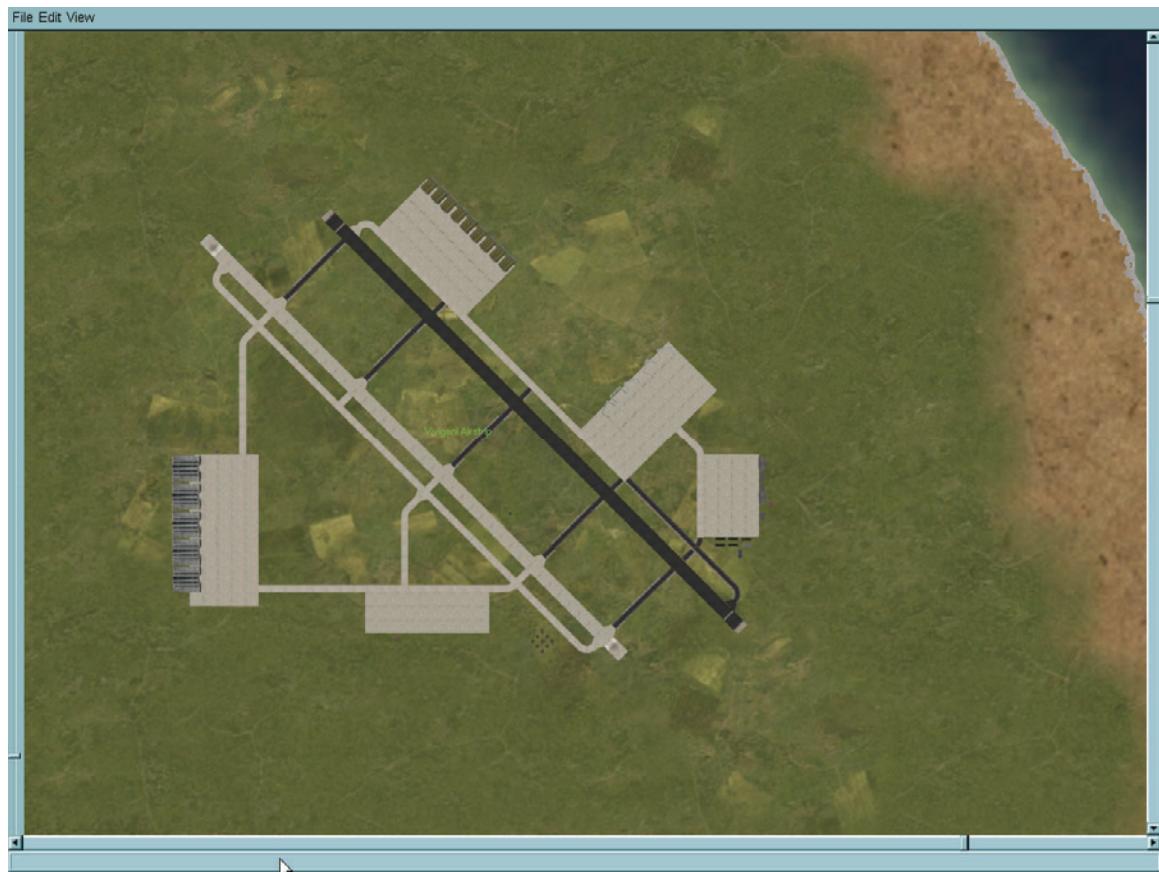
Map	Airbase_Name
Ardennes	Ortheuville Field
Guadalcanal	Lunga Field
Italy	Genova Field
Kyushu	Miyakonojo Airfield
Kyushu	Omura North Airfield
Marianas	Marpi Point Airfield
Marianas	Susup Airfield
Marianas	Tinian Airfield 3
Marianas	Tinian Airfield 4
Marianas	Tiyan Airfield
New Guinea	Berry Airdrome
New Guinea	Boera Field
New Guinea	DOB 1 Field
New Guinea	DOB 2 Field
New Guinea	DOB 3 Field
New Guinea	DOB 4 Field
New Guinea	DOB 5 Field
New Guinea	Durand Airdrome
New Guinea	Fighter Strip
New Guinea	Garuahi Landing Ground
New Guinea	Gurney Airfield
New Guinea	Killa Airdrome
New Guinea	New Strip
New Guinea	Old Strip
New Guinea	POP 3 Field
New Guinea	Sagari Landing Ground
New Guinea	Schwimmer Airdrome
New Guinea	Soputa Fighter Strip
New Guinea	Turnbull Landing Ground
New Guinea	Wedau Landing Ground
Okinawa	Ie Shima Auxiliary Field
Okinawa	Machinato Field



DOB1 Field, New Guinea

Airbase_Type = 18

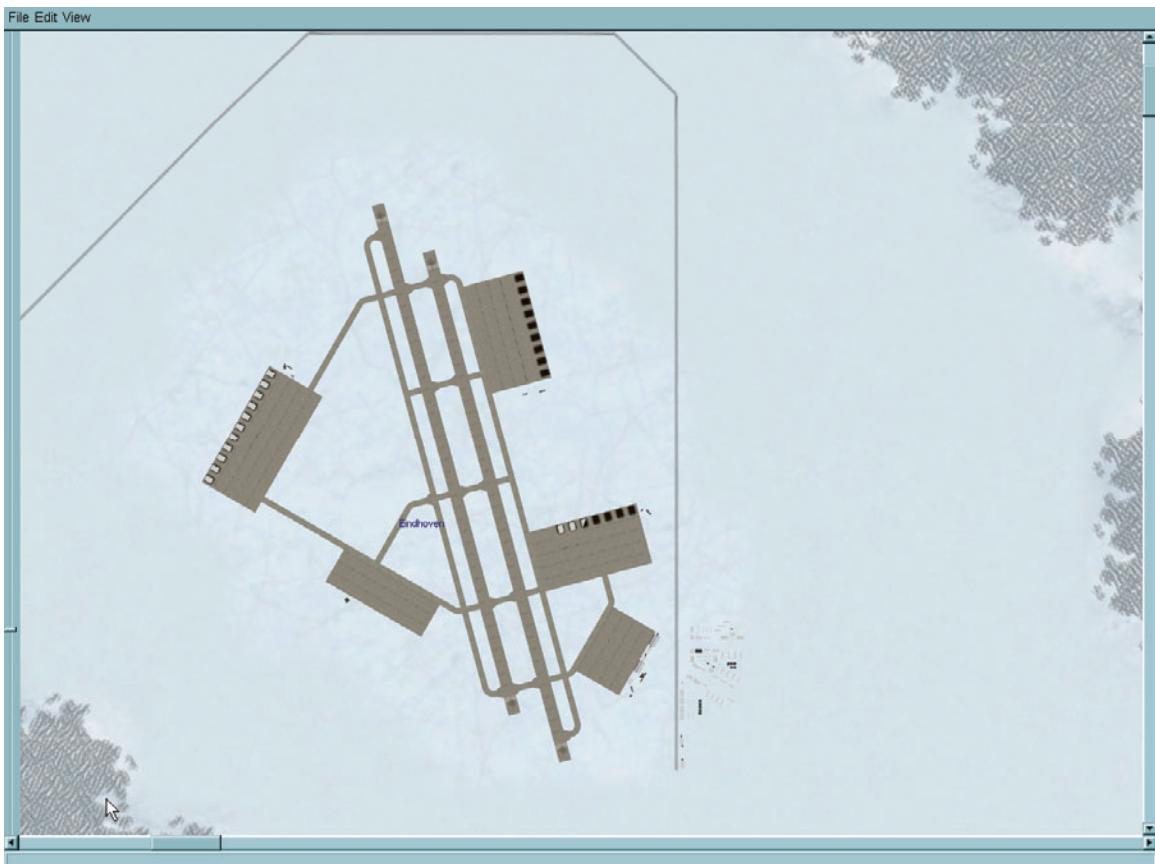
Map	Airbase
New Guinea	Wards Airdrome
New Guinea	Vivigani Airbase



Vivigani Airbase, New Guinea

Airbase_Type = 19

Map	Airbase
Ardennes	Eindhoven Airbase
Murmansk	Olenya Airbase

**Eindhoven Airbase, Ardennes**

Airbase_Type = 20

This airbase type is presently vacant in SEOW.

Airbase_Type = 21

This airbase type is presently vacant in SEOW.

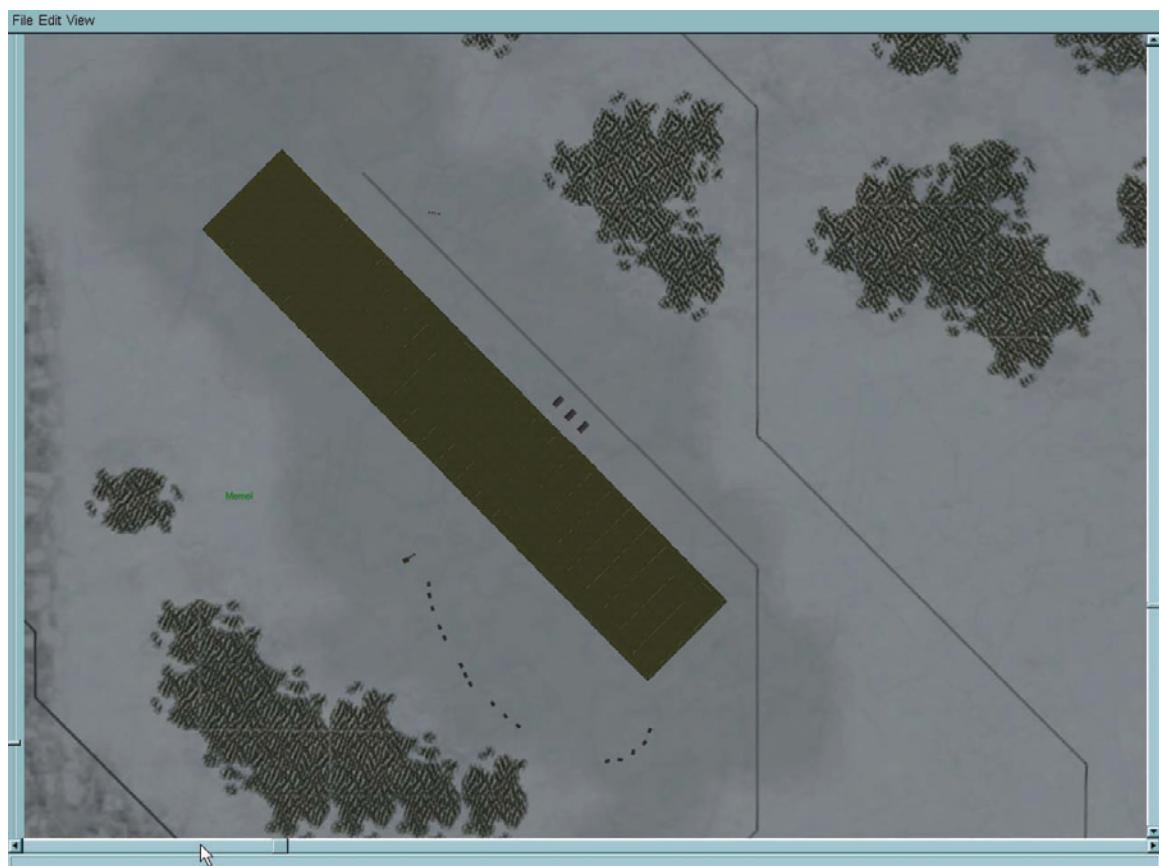
Airbase_Type = 22

Map	Airbase_Name
Midway	Eastern Island Base

**Eastern Island Base, Midway**

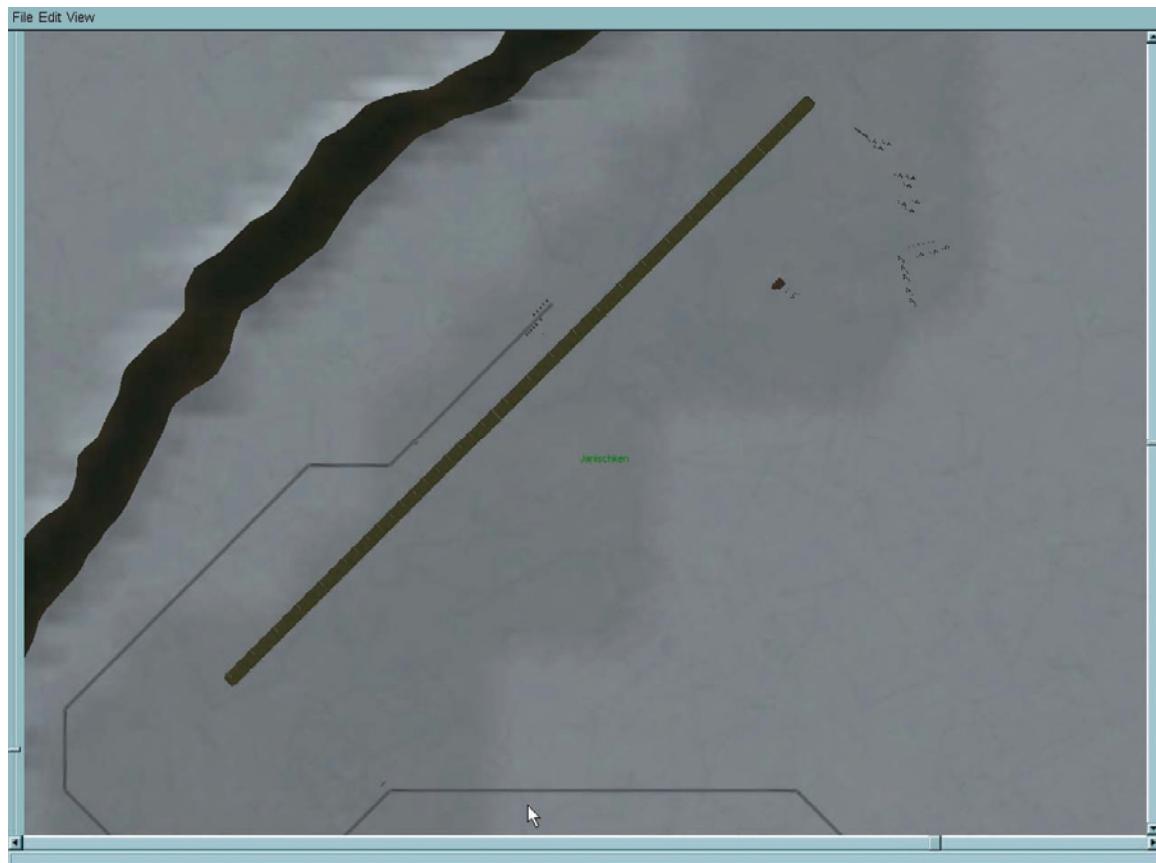
Airbase_Type = 23

Map	Airbase_Name
Italy	Butino Field
Italy	Cagliari Field
Kurland	Kauen Field
Kurland	Libau-Grobin Field
Kurland	Memel Field
Kurland	Schrunden Field

**Memel Field, Kurland**

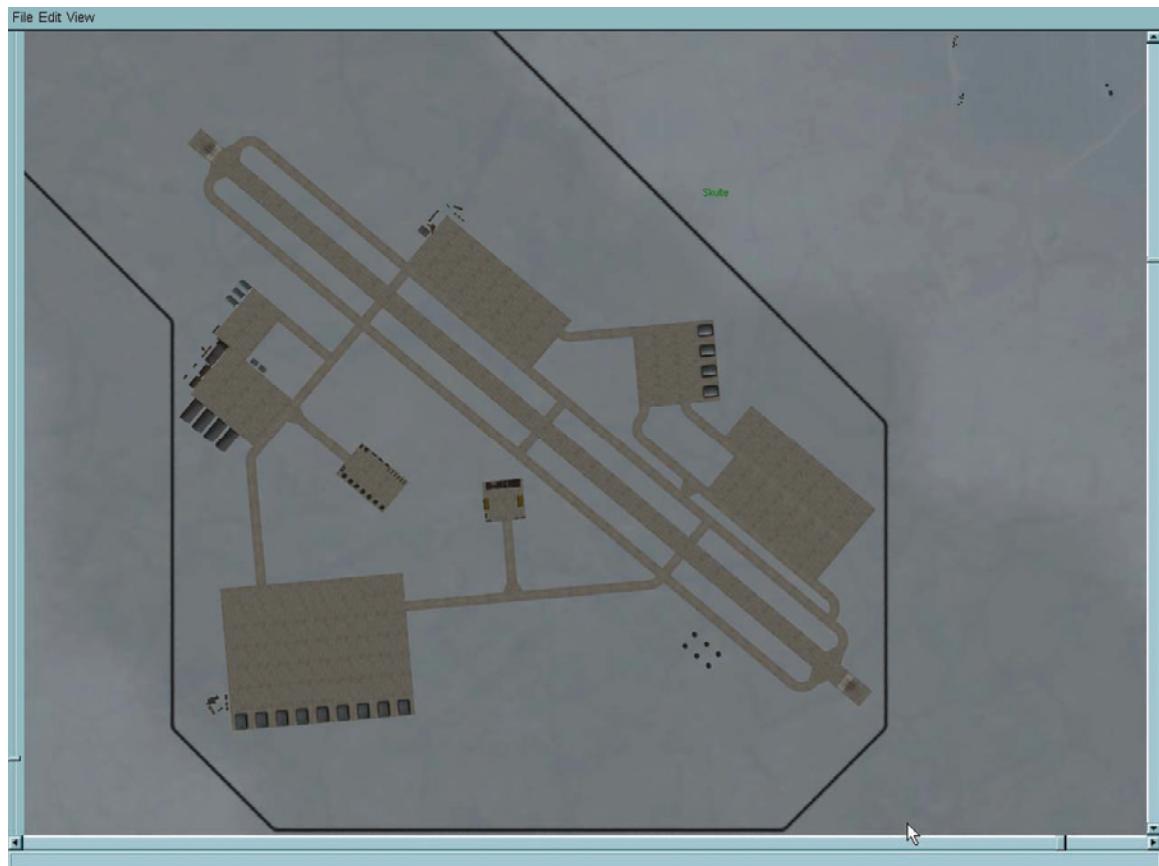
Airbase_Type = 24

Map	Airbase_Name
Khalkhin Gol	Matat-Somon Field
Kurland	Cirava Field
Kurland	Frauenburg Field
Kurland	Gross-Skaisgirren Field
Kurland	Janischken Field
Kurland	Labiau Field
Kurland	Neuhausen Field
Kurland	Schaulen Field
Kurland	Spilve Field
Kurland	Sredniki Field
Kurland	Tauroggen Field
Kurland	Telsche Field
Kurland	Wainoden Field
Murmansk	Kilpyavr Field
Ostfriesland	Groningen Airfield
Ostfriesland	Oldenburg Airfield

**Janischken Field, Kurland**

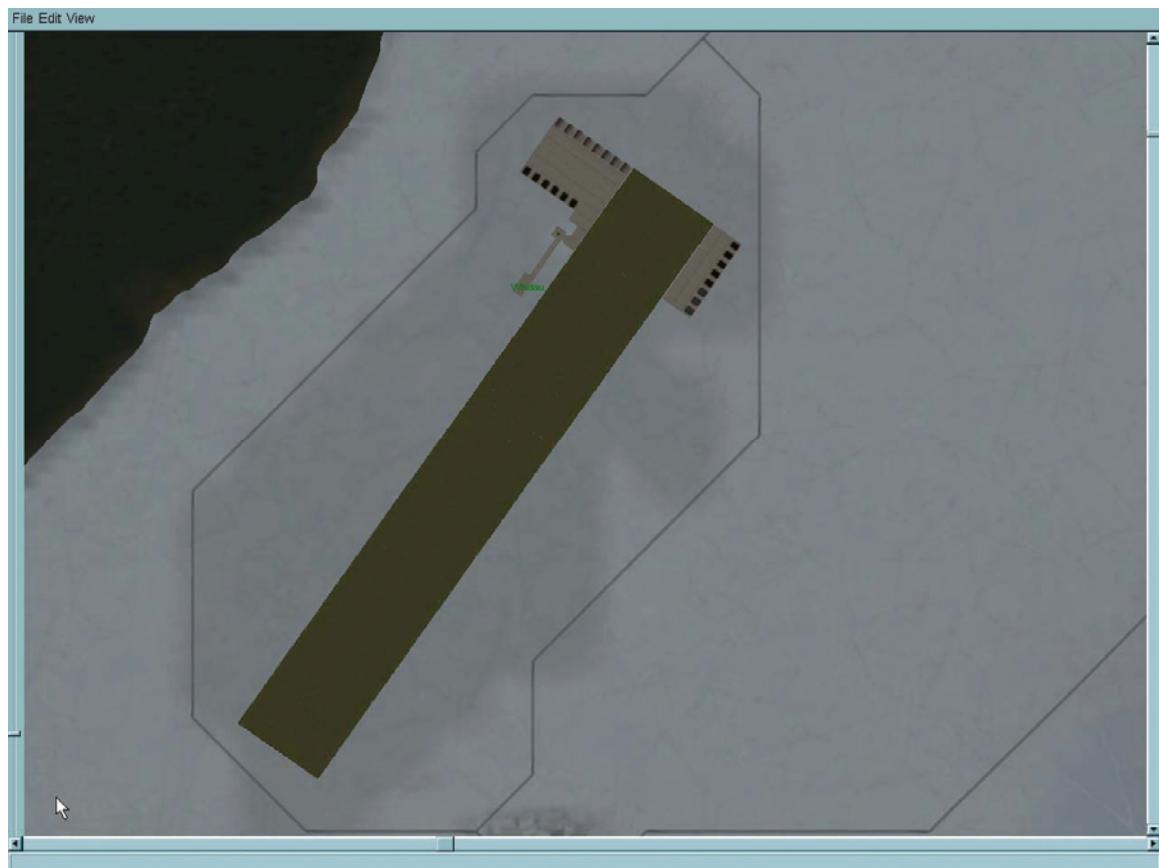
Airbase_Type = 25

Map	Airbase_Name
Kurland	Skute Airbase

**Skute Airbase, Kurland**

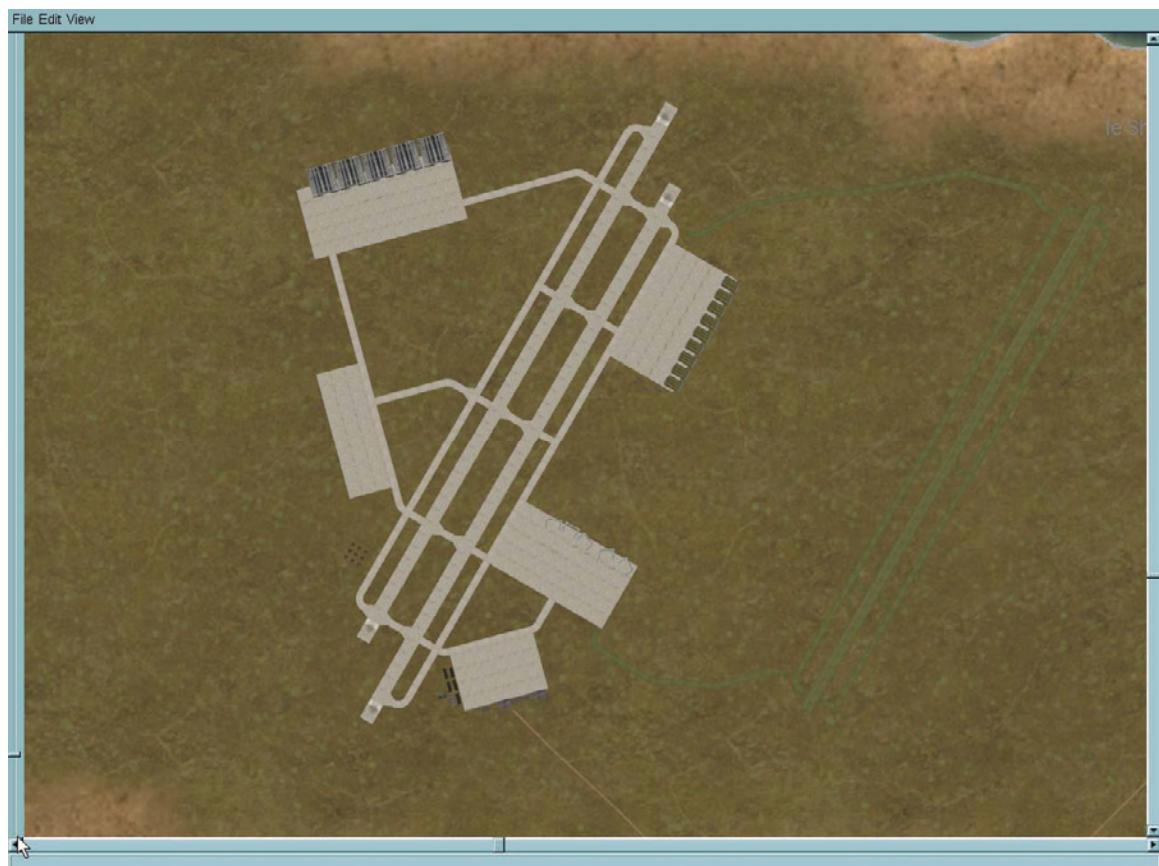
Airbase_Type = 26

Map	Airbase_Name
Italy	L'Aquila Field
Kurland	Windau Field

**Windau Field, Kurland**

Airbase_Type = 27

Map	Airbase_Name
Marianas	Aslito Airfield
Marianas	Guam Airbase
Murmansk	Vayenga-1 Airbase
Okinawa	Ie Shima Airbase

**Ie Shima Airbase, Okinawa**

Airbase_Type = 28

Map	Airbase_Name
Murmansk	Petsamo Airbase
Murmansk	Monchegorsk Airbase
Murmansk	Vayenga-2 Airbase

**Petsamo Airbase, Murmansk**

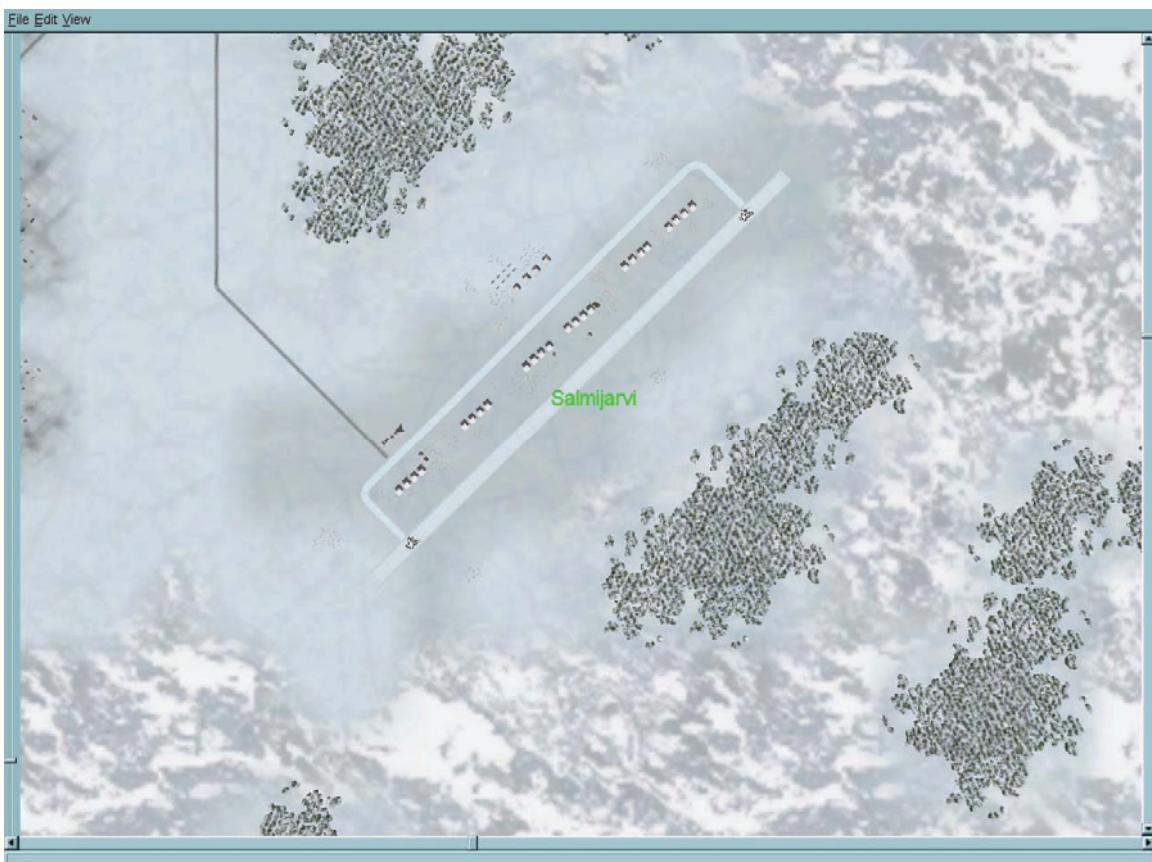
Airbase_Type = 29

Map	Airbase_Name
Khalkhin Gol	Kanchuerhmiao Field
Murmansk	Shongui Airbase

**Shongui Airbase, Murmansk**

Airbase_Type = 30

Map	Airbase_Name
Khalkhin Gol	Chanchung Field
Murmansk	Salmijarvi Field

**Salmijarvi Field, Murmansk**

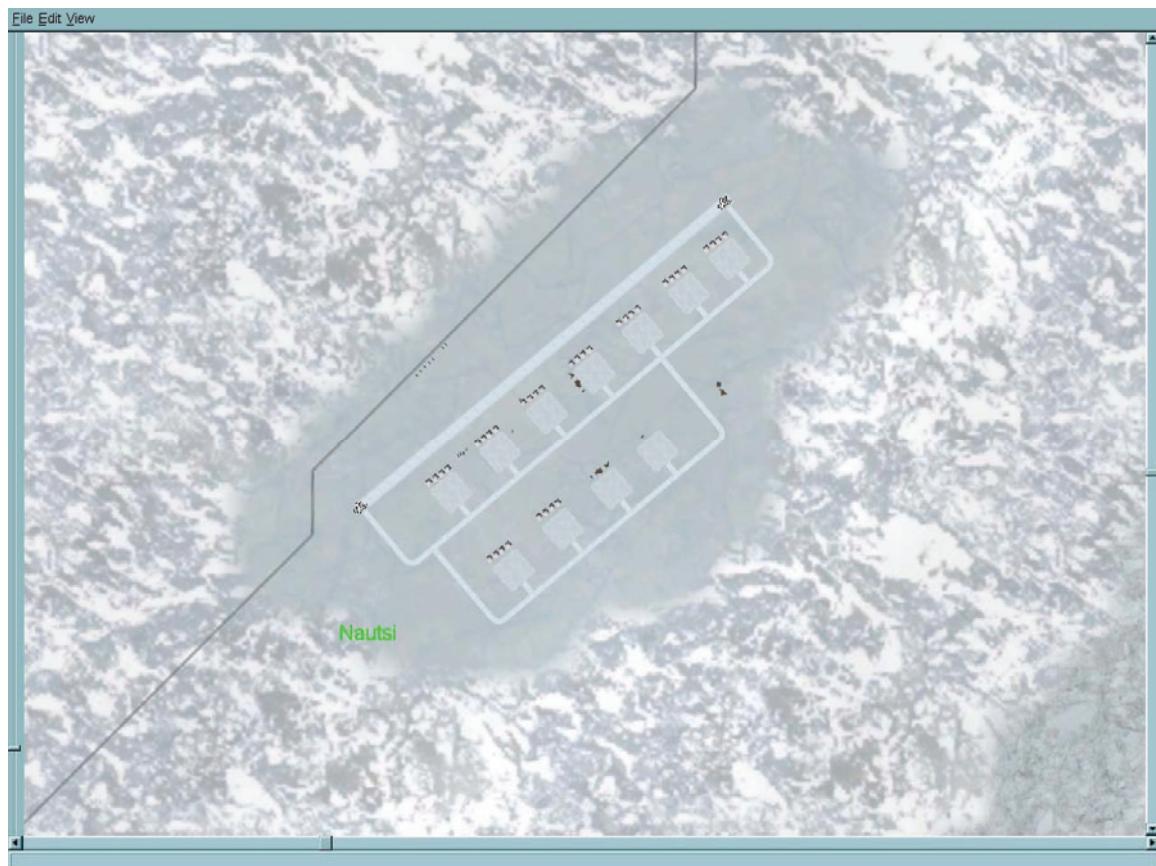
Airbase_Type = 31

Map	Airbase_Name
Murmansk	Murmashi Airbase

**Murmashi Airbase, Murmansk**

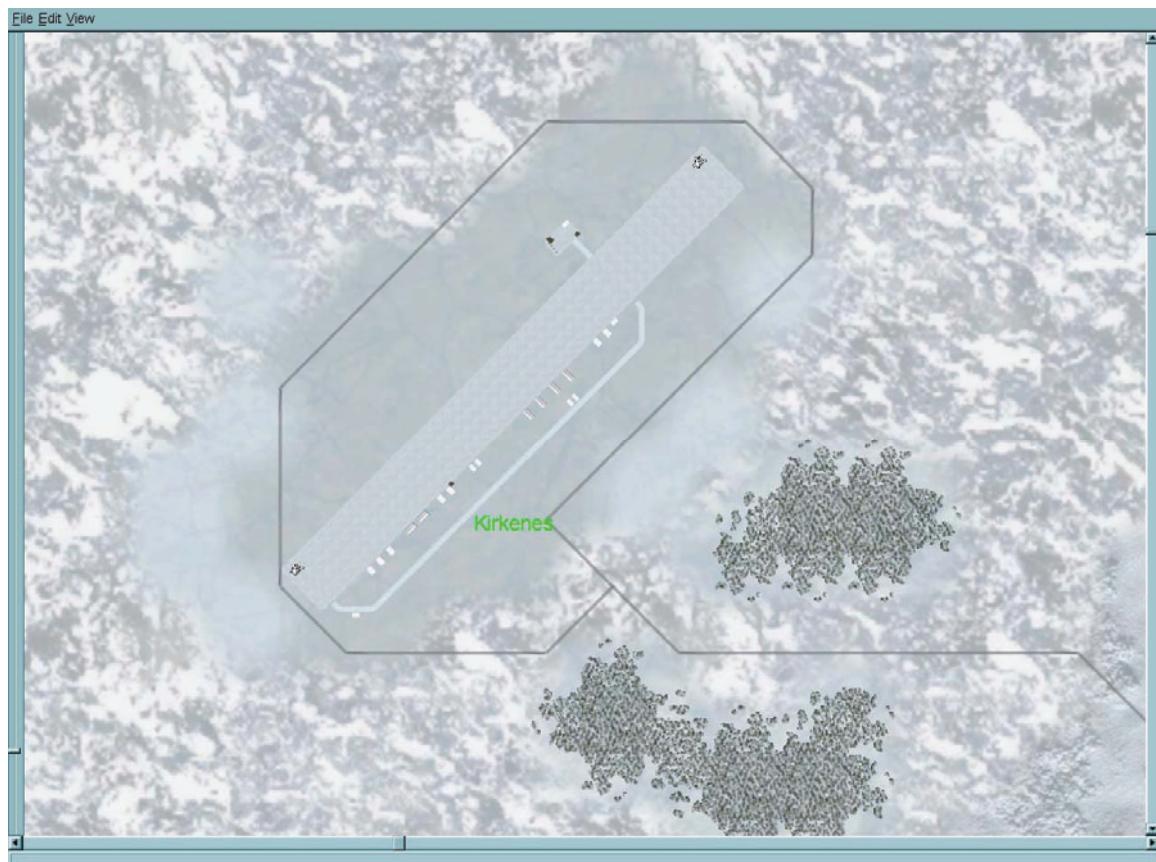
Airbase_Type = 32

Map	Airbase_Name
Murmansk	Nautsi Airbase

**Nautsi Airbase, Murmansk**

Airbase_Type = 33

Map	Airbase_Name
Murmansk	Kirkenes Field

**Kirkenes Field, Murmansk**

Airbase_Type = 34

Map	Airbase_Name
Murmansk	Taybola Field

**Taybola Field, Murmansk**

Airbase_Type = 35

Map	Airbase_Name
Iwo Jima	Iwo Jima Airfield 1

**Iwo Jima Airfield 1, Iwo Jima**

Airbase_Type = 36

Map	Airbase_Name
Iwo Jima	Iwo Jima Airfield 2

**Iwo Jima Airfield 2, Iwo Jima**

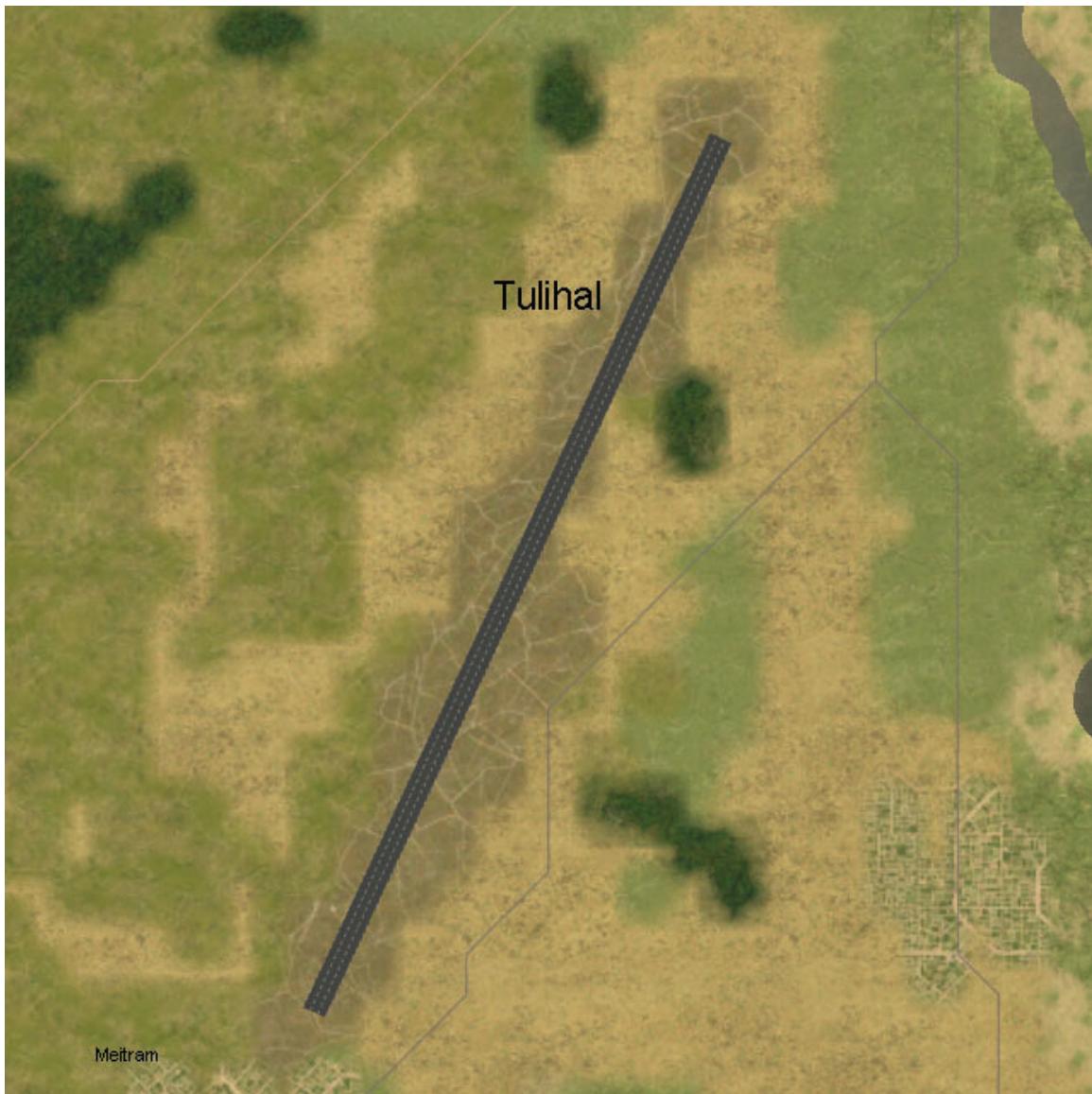
Airbase_Type = 37

Map	Airbase_Name
Imphal	Imphal Main Airbase

**Imphal Main Airbase, Imphal**

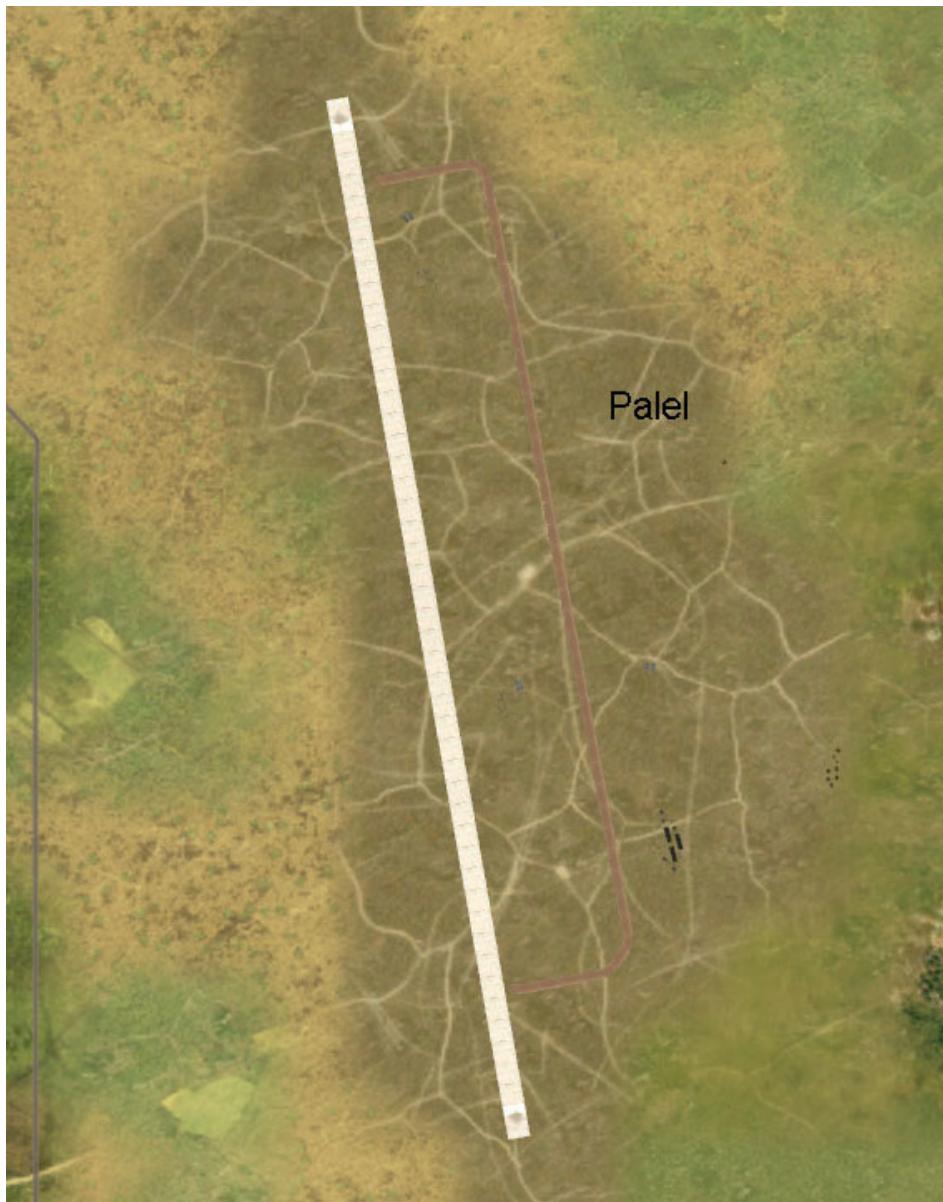
Airbase_Type = 38

Map	Airbase_Name
Imphal	Tulihal Airbase

**Tulihal Airbase, Imphal**

Airbase_Type = 39

Map	Airbase_Name
Imphal	Palel Airfield

**Palel Airfield, Imphal**

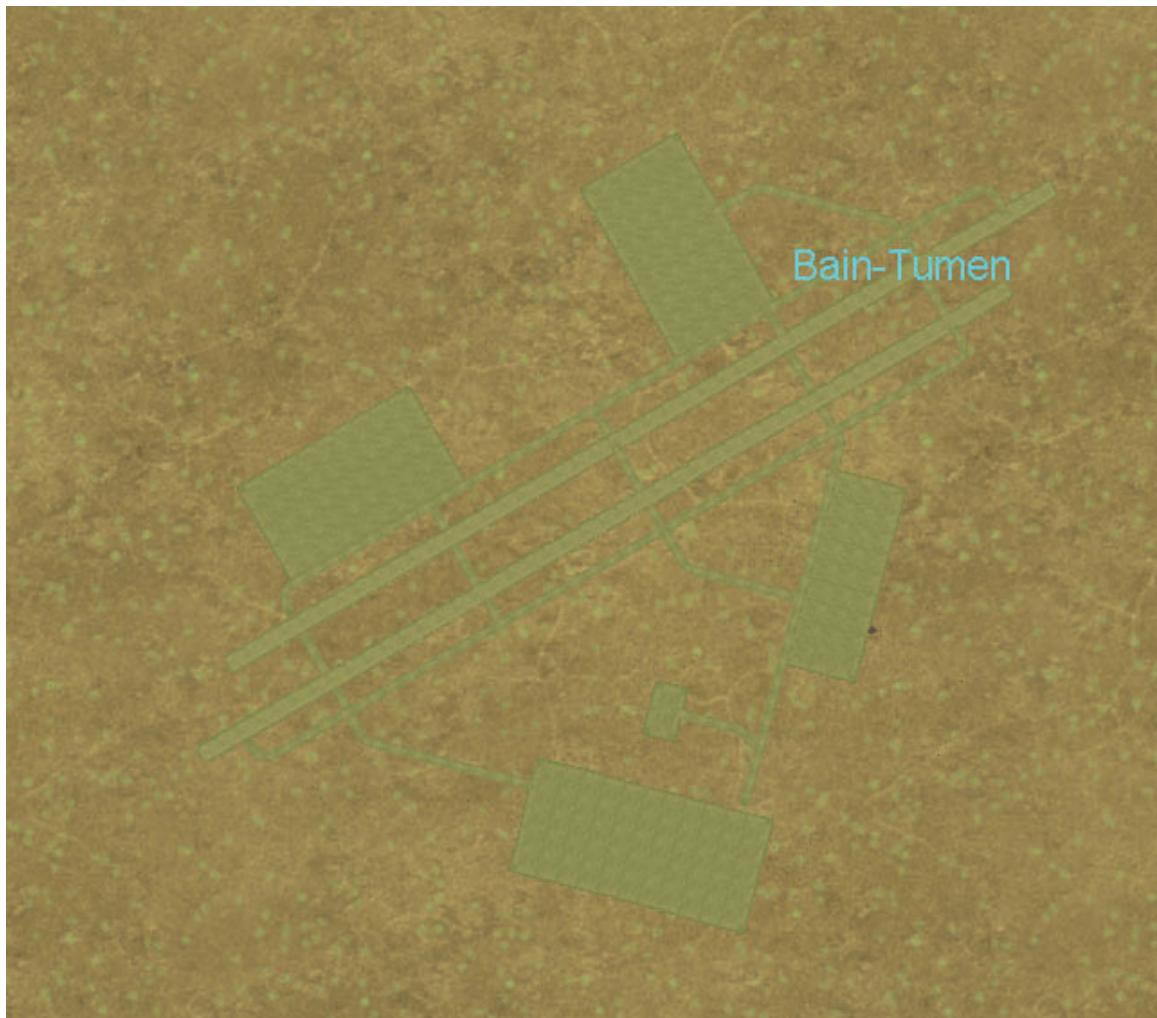
Airbase_Type = 40

Map	Airbase_Name
Kyushu	Chiran Airfield
Kyushu	Gan-No-Su Airfield
Marianas	Tinian Airfield 2
Singapore	Kuala Lumpur AF
Singapore	Nippon West AF
Singapore	Sembawang AF

**Kuala Lumpur AF, Singapore**

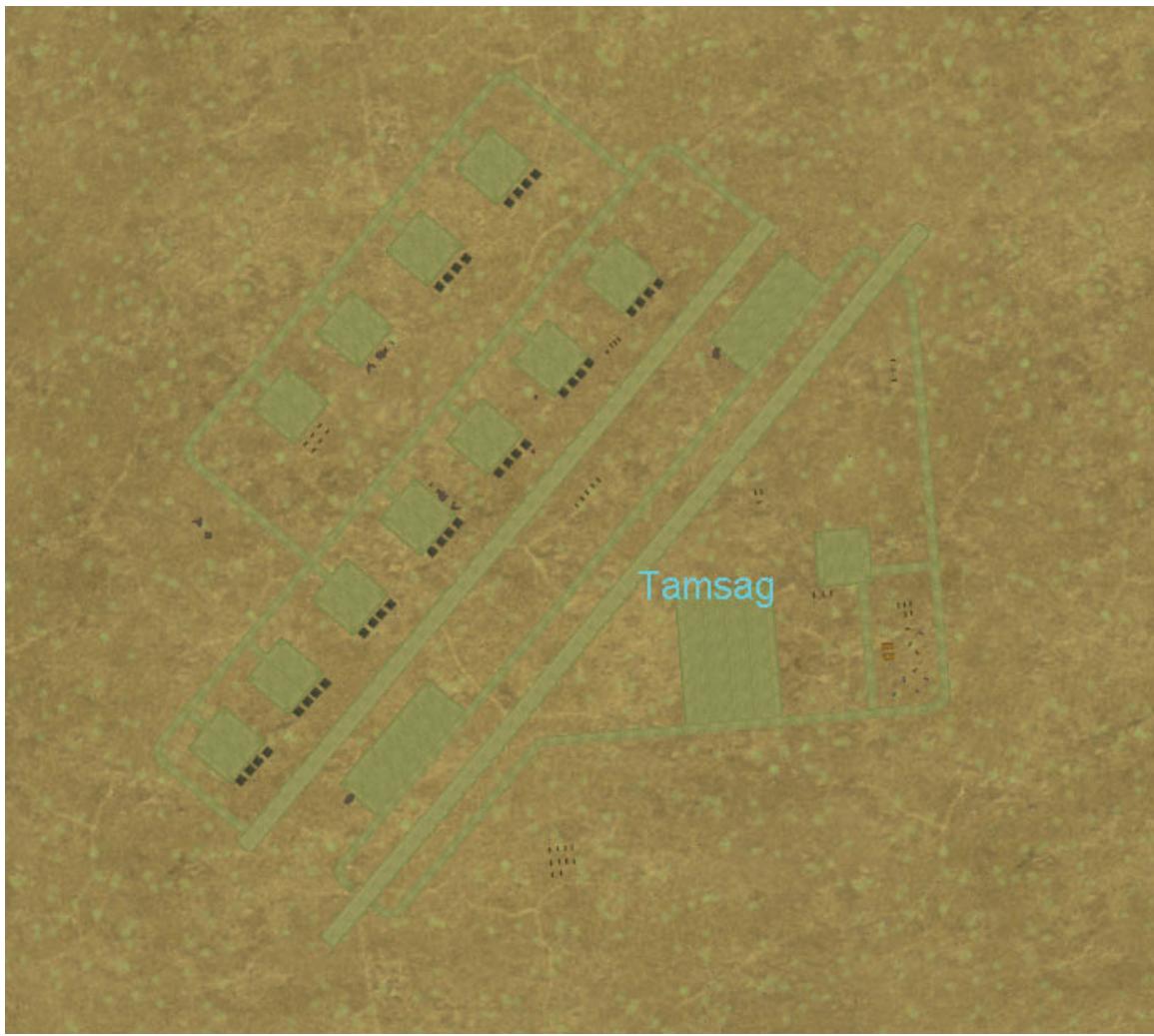
Airbase_Type = 41

Map	Airbase_Name
Khalkhin Gol	Bain-Tumen Field

**Bain-Tumen Field, Khalkhin Gol**

Airbase_Type = 42

Map	Airbase_Name
Khalkhin Gol	Tamsag Field

**Tamsag Field, Khalkhin Gol**

Airbase_Type = 43

This airbase type is presently vacant in SEOW.

Airbase_Type = 44

This airbase type is presently vacant in SEOW.

Airbase_Type = 45

This airbase type is presently vacant in SEOW.

Airbase_Type = 46

This airbase type is presently vacant in SEOW.

Airbase_Type = 47

This airbase type is presently vacant in SEOW.

Airbase_Type = 48

This airbase type is presently vacant in SEOW.

Airbase_Type = 49

This airbase type is presently vacant in SEOW.

Airbase_Type = 50

Map	Airbase_Name
North Sea	Herdla Airbase

**Herdla Airbase, North Sea**

Airbase_Type = 51

Map	Airbase_Name
North Sea	Banff Airbase

**Banff Airbase, North Sea**

Airbase_Type = 52

Map	Airbase_Name
North Sea	Gossen Airbase

**Gossen Airbase, North Sea**

Airbase_Type = 53

Map	Airbase_Name
North Sea	Peterhead Airbase
Ostfriesland	Lingen-Ems Airbase



Peterhead Airbase, North Sea

Airbase_Type = 54

This airbase type is presently vacant in SEOW.

Airbase_Type = 55

This airbase type is presently vacant in SEOW.

Airbase_Type = 56

This airbase type is presently vacant in SEOW.

Airbase_Type = 57

This airbase type is presently vacant in SEOW.

Airbase_Type = 58

This airbase type is presently vacant in SEOW.

Airbase_Type = 59

Map	Airbase_Name
Italy	Napoli Airbase

**Napoli Airbase, Italy**

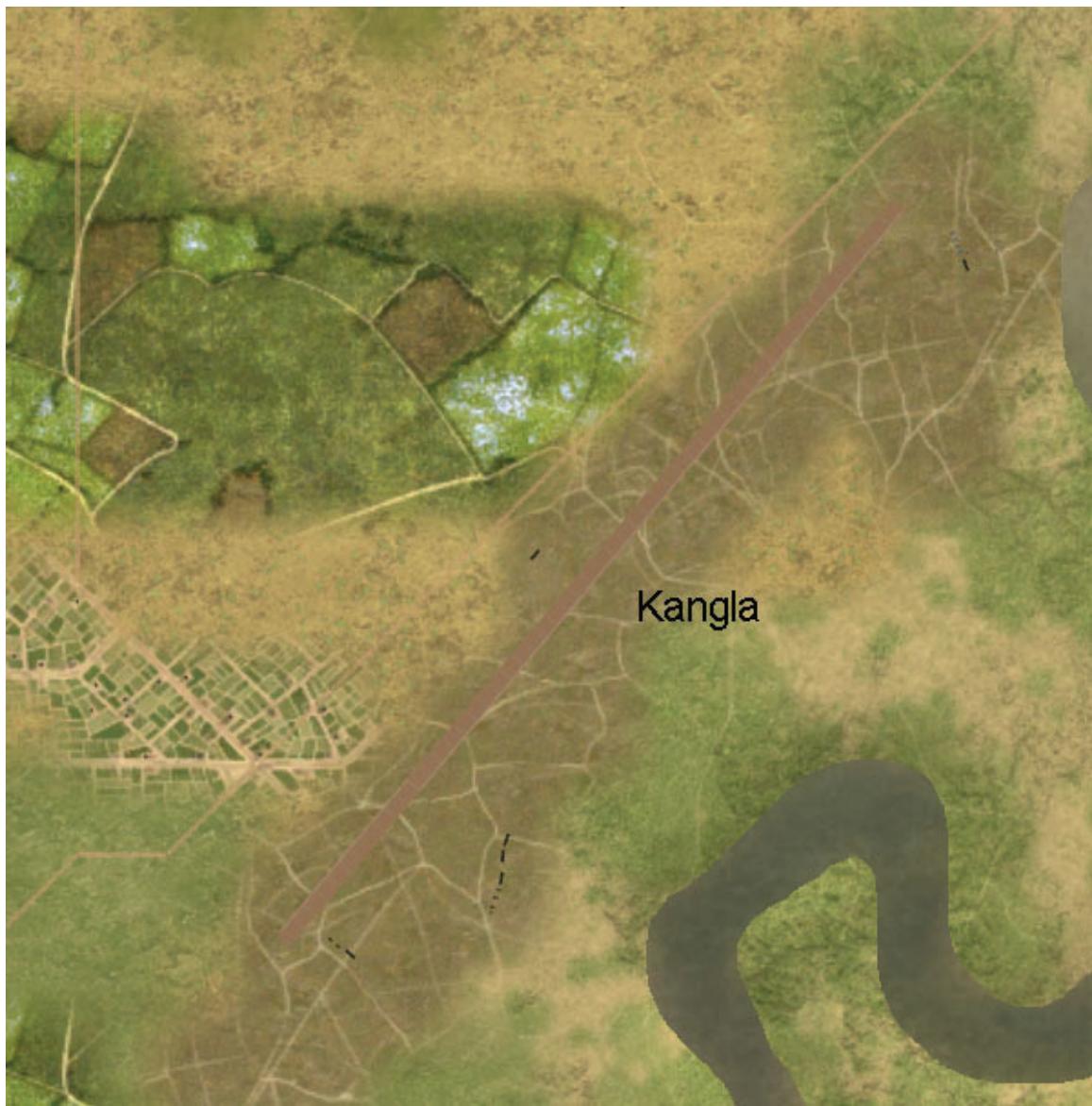
Airbase_Type = 60

Map	Airbase_Name
Imphal	Aberdeen Airfield
Italy	Messina Field

**Aberdeen Airfield, Imphal**

Airbase_Type = 61

Map	Airbase_Name
Imphal	Kangla Airfield
Imphal	Sapam Airfield
Imphal	Wangjing Airfield
Italy	Foggia South Field
Italy	Limone North Field

**Kangla Airfield, Imphal**

Airbase_Type = 62

Map	Airbase_Name
Imphal	Malon Airfield

**Malon Airfield, Imphal**

Airbase_Type = 63

Map	Airbase_Name
Cyrenaica	Derna Airfield
Cyrenaica	Kingsbridge Airfield
Imphal	Shwe-Inbin Airfield
Imphal	Tamu Airfield

**Shwe-Inbin Airfield, Imphal**

Airbase_Type = 64

This airbase type is presently vacant in SEOW.

Airbase_Type = 65

This airbase type is presently vacant in SEOW.

Airbase_Type = 66

Map	Airbase_Name
Berlin	Berlin South Airbase

**Berlin South Airbase, Berlin**

Airbase_Type = 67

Map	Airbase_Name
Berlin	Berlin East Airbase

**Berlin East Airbase, Berlin**

Airbase_Type = 68-100

These airbase types are presently vacant in SEOW.

Airbase_Type = 101 (Temporary Airbase)

Map	Airbase_Name
Malta	Messina West Airfield (T)
Malta	Scauri Airfield (T)
Malta	Trapani Airfield (T)
Okinawa*	Malta East (T)
Okinawa*	Malta North (T)
Okinawa*	Pantelleria Centre (T)
Okinawa*	Pantelleria North (T)
Okinawa*	Pantelleria South (T)

*Definition for RAF74_Buzzsaw's Operation Pedestal campaign, using the Okinawa map.

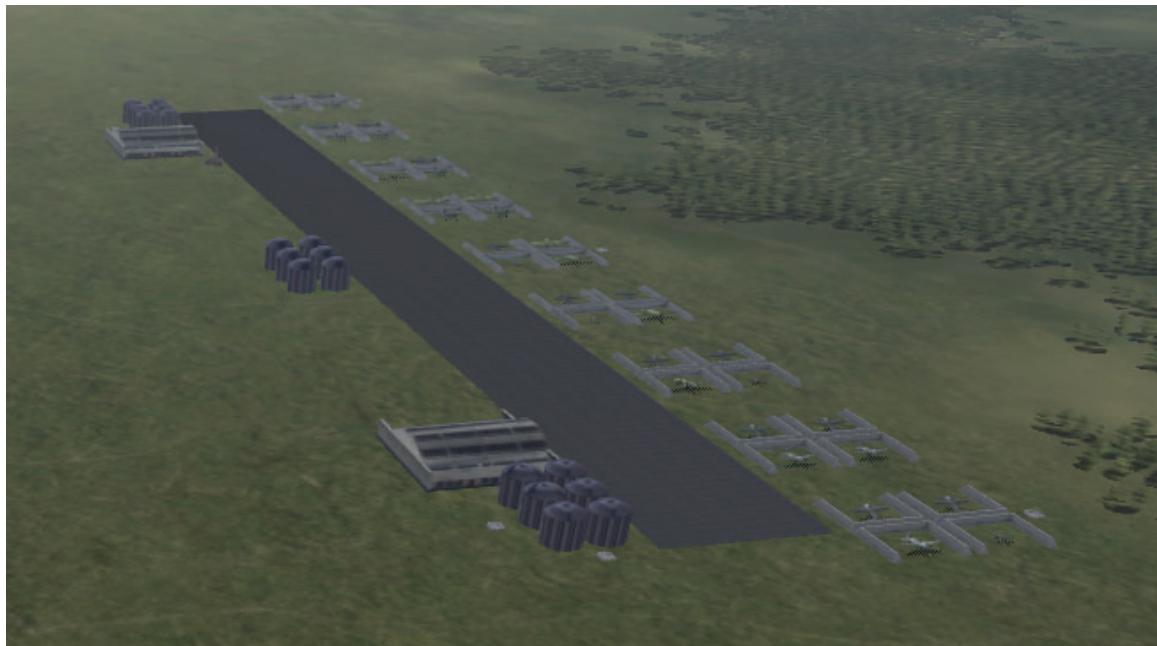


Scauri Airbase, Malta

Airbase_Type = 102 (Temporary Airbase)

Map	Airbase_Name
Malta	Syracusa Airfield (T)
Okinawa*	Malta West (T)

*Definition for RAF74_Buzzsaw's Operation pedestal campaign, using the Okinawa map.



Syracusa Airfield, Malta

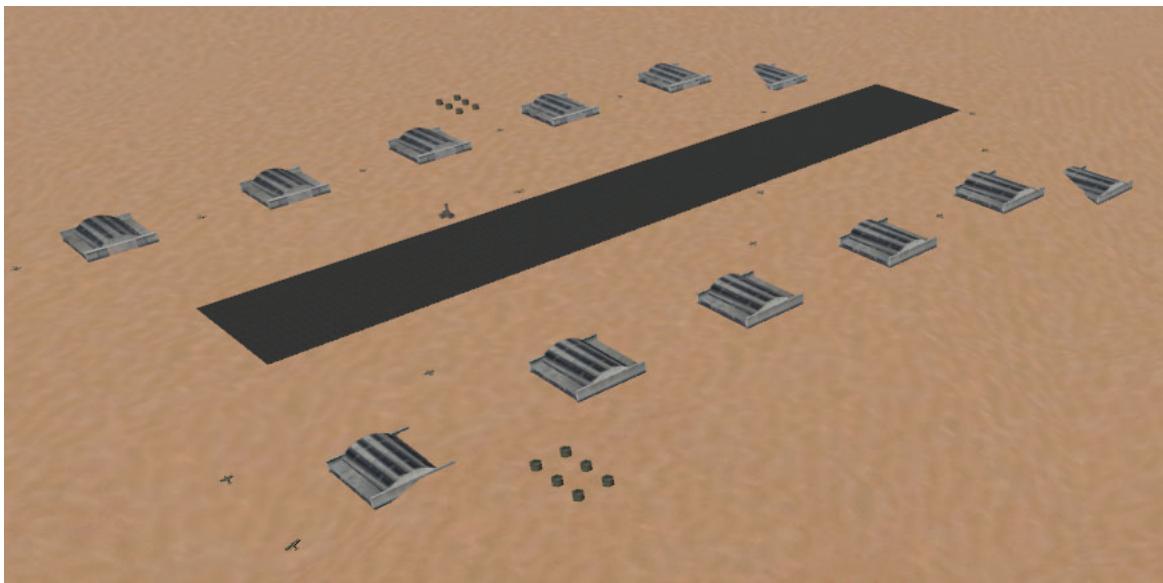
Airbase_Type = 103 (Temporary Airbase)

Map	Airbase_Name
Malta	Luqa Airfield (T)
Malta	Messina Airfield (T)
Malta	Pantelleria Airfield (T)

**Luqa Airfield, Malta**

Airbase_Type = 104 (Temporary Airbase)

This airbase type is not used by default, but is available for use.



Pictured in the Tunis map.

Airbase_Type = 105 (Temporary Airbase)

This Airbase_Type number is presently vacant in SEOW.

Airbase_Type = 106 (Temporary Airbase)

This Airbase_Type number is presently vacant in SEOW.

Airbase_Type = 107 (Temporary Airbase)

This airbase type is not used by default, but is available for use.



Pictured in the Tunis map.

Airbase_Type = 108 (Temporary Airbase)

Map	Airbase_Name
Normandy*	RAF Hawkinge (T)
Normandy*	RAF Lymne (T)

*Definition for RAF74_Taipan's Dunkirk Campaign, using the Normandy map.



RAF Hawkinge, Normandy/Dunkirk.

Airbase_Type = 109 (Temporary Airbase)

Map	Airbase_Name
Normandy*	Armentieres Grass Strip (T)
Normandy*	Axis Forward Base 1
Normandy*	Axis Forward Base 2
Normandy*	Baileul Grass Strip (T)
Normandy*	Boulogne-Sur-Mer Grass Strip (T)
Normandy*	Bruay-en-Artois Grass Strip (T)
Normandy*	Calais Grass Strip (T)
Normandy*	Cassel Grass Strip (T)
Normandy*	Dunkirk Grass Strip (T)
Normandy*	Heuchin Grass Strip (T)
Normandy*	Hucqueliers Grass Strip (T)
Normandy*	Ingelmunster Grass Strip (T)
Normandy*	Lens Grass Strip (T)
Normandy*	Torhurt Grass Strip (T)
Oslo	Fredrickstad Airfield
Tunis	Afrika Korps Base 1
Tunis	Afrika Korps Base 2
Tunis	Allied Desert Strip 1
Tunis	Allied Desert Strip 2

*Definition for RAF74_Taipan's Dunkirk Campaign, using the Normandy map.



Baileul Airfield, Normandy/Dunkirk

Airbase_Type = 110 (Temporary Glider Airbase)

Map	Airbase_Name
Smolensk*	Glider Base Alpha (T)
Smolensk*	Glider Base Bravo (T)
Smolensk*	Glider Base Charlie (T)
Smolensk*	Glider Base Delta (T)

*Definition for RAF74_Wildcard's Operation Market Garden Campaign, using the Smolensk map.



Glider Base Alpha, Smolensk (1 steel runway + 1 transparent runway, end to end)

Airbase_Type = 111 (Temporary Drop Zone)

Map	Airbase_Name
Smolensk*	Drop Zone Alpha (T)
Smolensk*	Drop Zone Bravo (T)
Smolensk*	Drop Zone Charlie (T)
Smolensk*	Drop Zone Delta (T)
Smolensk*	Drop Zone Echo (T)

*Definition for RAF74_Wildcard's Operation Market Garden Campaign, using the Smolensk map.



Drop Zone Alpha, Smolensk (one transparent runway!)

Airbase_Type = 200 (Seaplane Base)

Map	Airbase_Name
Crimea	Dzhankoy Seaplane Base
Crimea	Feodosia Seaplane Base
Crimea	Kerch Strait Seaplane Base
Crimea	Mezhvodnoe Seaplane Base
Crimea	Yevpatoria Seaplane Base
Guadalcanal	Tulagi Seaplane Base
Gulf of Finland	Krasnaiagorka Seaplane Base
Gulf of Finland	Kronshtadt East Seaplane Base
Gulf of Finland	Kronshtadt North Seaplane Base
Gulf of Finland	Lavansaari North Seaplane Base
Gulf of Finland	Lavansaari South Seaplane Base
Gulf of Finland	Seiskari Seaplane Base
Gulf of Finland	Viipuri Seaplane Base
Italy	Cagliari Seaplane Base
Italy	Comiso Seaplane Base
Italy	Napoli Seaplane Base
Italy	Rapallo Seaplane Base
Italy	Stromboli Seaplane Base
Kuban	Elanovskoe Seaplane Base
Kuban	Gelendzhik Seaplane Base
Kuban	Kerch Seaplane Base
Kurland	Libau Seaplane Base
Kurland	Memel Seaplane Base
Kurland	Sairdak Seaplane Base
Kurland	Windau Seaplane Base
Malta	Gozo Seaplane Base
Malta	Royal Malta Seaplane Base
Malta	Syracusa Seaplane Base
Malta	Trapani Seaplane Base
Marianas	Apra Harbour Seaplane Base
Marianas	Asiga Bay Seaplane Base
Marianas	Cocos Lagoon Seaplane Base
Marianas	Luta Seaplane Base
Marianas	Magicienne Bay Seaplane Base
Marianas	Pago Bay
Marianas	Sasanhaya Bay Seaplane Base
Marianas	Sunharon Harbour Seaplane Base
Marianas	Tanapag Harbour Seaplane Base
Marianas	Tanapag Seaplane Base
Marianas	Tilmon Bay Seaplane Base
Midway	Sand Island Seaplane Base

Map	Airbase_Name
Murmansk	Kirkenes Seaplane Base
Murmansk	Polyarny Seaplane Base
Murmansk	Severomorsk Seaplane Base
Murmansk	Ura Guba Seaplane Base
Murmansk	Vadso Seaplane Base
New Guinea	Abau Seaplane Base
New Guinea	Baniara Seaplane Base
New Guinea	Bolubolu Seaplane Base
New Guinea	Buna Seaplane Base
New Guinea	Napa Napa Seaplane Base
New Guinea	Sogeri Seaplane Base
New Guinea	Suau Seaplane Base
New Guinea	Todore Seaplane Base
Normandy	British Seaplane Base
Normandy	St Gatien Seaplane Base
North Sea	Loch of Strathbeg Seaplane Base
Okinawa	Isagawa Seaplane Base
Tunis	Jalitah Seaplane Base
Tunis	Malta Seaplane Base
Tunis	Tunis Seaplane Base



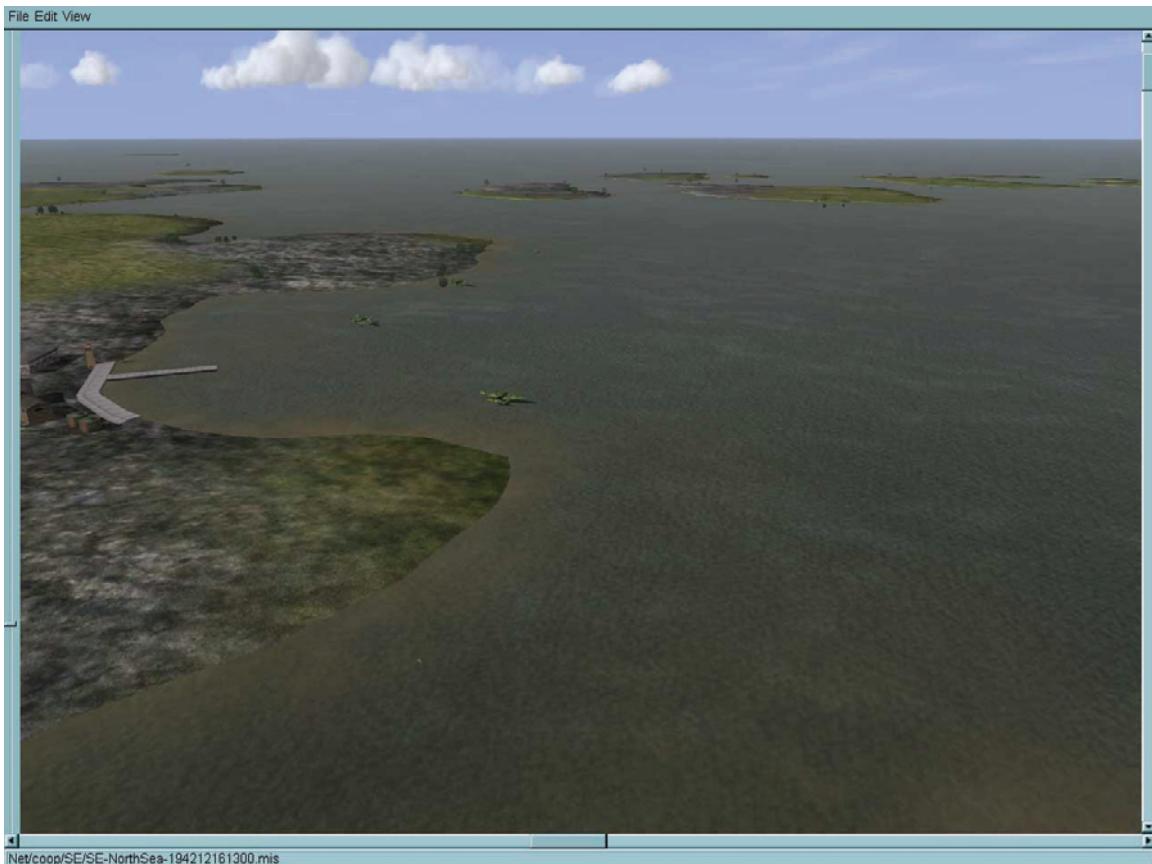
Royal Malta Seaplane Base, Malta

Airbase_Type = 201 (Seaplane Base)

This is a bare-bones seaplane base and is available for use.

Airbase_Type = 203 (Seaplane Base)

Map	Airbase_Name
North Sea	Gossen Seaplane Base

**Gossen Seaplane Base, North Sea**

Airbase_Type = 204-299 (Seaplane Base)

These airbase types are presently vacant in SEOW.