

Factories and shipyards: a numbered list (version 1.0)

1	2	3	4	5	6	7	8	9
No.	Name	Location	Subsidiary units	Branch	Ministry	Other details	Date	Sources
1	im. Aviakhima	Moscow (Khodynka)	OKB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936)	originally the 'Duks' factory, also previously named 'z-d im. ODVF'; GAZ (aircraft) no. 1 until 1927 and retained this number subsequently; fighter aircraft, evacuated Kuibyshev 10/41	1928-41	A1 A3 A4 C8 (vol. 1, p. 27) C41 C48 (p. 313)
1	im. Aviakhima	Kuibyshev, now Samara	OKB, TsSKB	AERO	NKAP (1941), MAP (1946)	evacuated 10/41 from Moscow and absorbed z-d 122: fighters and bombers, converted 1958 to missiles; now 'Progress'	1941-94	C8 C41
2	Kovrovskii Instrumental'nyi	Kovrov		ARMS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'Kovrovskii Pulemetnyi z-d', small arms and machine guns; now AO 'z-d im. Degtyareva'	1929-36	A1 A2 A3 A4
3	im. Volodarskogo	Ulyanovsk		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'Simbirskii Patronnyi z-d'; cartridges; now PO 'Ulyanovskii Mashinostroitel'nyi z-d'	1929-36	A1 A3 A4
3		Moscow (Sokolniki)		AERO		became z-d 329 on acquiring Mil' OKB in 1951	1951	D7 (N9-10/97, p. 32)
4	im. Kalinina	Leningrad, now St Petersburg	KB	MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	fuses; former 'Leningradskii Trubochnyi z-d'; now GPO 'z-d im. Kalinina'	1929-36	A1 A3 A4
4	im. Voroshilova	Krasnoyarsk		ARMS	NKV (1942-5)	artillery; the B-47 gun was designed here	1939-45	D39 (4/6/42, 19/9/45) D25 (4/5/85) J1
4		Moscow		AERO	MAP (1946)	acquired resources from Junkers (Leipzig), 1946	1946	C36 (pp. 90-1)
5	Krasnoznamenets	Leningrad, now St Petersburg		MUNS	NKTP (1934), NKOP (1936)	shells; now Gos. NPP 'Krasnozamenets'	1934-6	A3 A4 D25 (16/7/94)
5		Leningrad, now St Petersburg	TsKB	SHIP	NKSP (1939), MSP (1952)	small naval vessels; during World War II, part evacuated to z-d 640 (Sosnovka), part remaining and assembled Lend-Lease craft; reopened after the war; now AO 'Almaz'	1941-97	D29 (N5-6/97, p. 130) E1 C32 (p. 227)
6		Leningrad, now St Petersburg		MUNS	NKOP (1936)	explosives	1936	A4 F3
7	Mekhanicheskii im. Frunze	Leningrad, now St Petersburg	KB	ARMS, later AERO	VSNKh (1929), NKTP (1934), NKOP (1936), GKVT (1958)	former Leningradskii Arsenal; made small calibre automatic weapons and post war missiles and space craft; now AO 'Mashinostroitel'nyi z-d "Arsenal"	1929-72	A1 A3 A4 A7 D2
8	im. Kalinina	Podlipki (renamed Kaliningrad 1938), now Korolev		ARMS	VSNKh (1929), NKTP (1934), NKOP (1936)	Leningradskii Orudiniyi z-d' moved here in 1929 becoming 'Moskovskii Orudiniyi z-d'; small calibre cannons; sometimes (wrongly) stated to be in Mytishchi; evacuated Sverdlovsk 1941	1929-36	A1 A2 A3 A4 D11 (N5/98, p. 17)
8	im. Kalinina	Sverdlovsk, now Ekaterinburg	OKB	ARMS	NKV (1941)	evacuated from Kaliningrad; built anti-aircraft guns but switched to AS missile systems since 1950s; now AO 'z-d im. Kalinina'	1941-97	D29 (N3-4/97, p. 23) F4
9	Shostinskii Porokhovoi	Shostka		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	gun powder and explosives	1929-36	A1 A3 A4
9		Sverdlovsk, now Ekaterinburg	OKB	ARMS	NKV (1942)	artillery plant founded 1942; now 'Gos. Unitarnoe predpriyatie "z-d no. 9"	1941-5	F4 C9 D29 (N11 12/97, p. 106)
10	im. Dzerzhinskogo	Perm'		MUNS	NKTP (1934), NKOP (1936)	fuses; now GP 'Mashinostroitel'nyi z-d im. F.E. Dzerzhinskogo'	1934-6	A3 A4
11		Zagorsk, now Sergievsk Posad		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	explosives and smoke bombs	1929-36	A1 A3 A4
12		Bogorodsk	KB	MUNS	VSNKh (1929)	bombs and flares	1929-30	A1 A2
12		Elektrostal' (Bogorodsk)		ATOM	NKTP (1934), NKOP (1936)	from 1944 nuclear fuel elements; now AO 'Mashinostroitel'nyi z-d'	1934-44	A3 A4 C8 C33
13	Bryanskii Arsenal	Bryansk	KB	ARMS	VSNKh (1929), NKOP (1936)	artillery plant; evacuated 1941 to Ust'-Katav; plant was reopened in Bryansk but left the defence industry	1929-41	A1 A4 F3
13	Ust'-Katav Vagonostroitel'nyi z-d	Ust'-Katav (Chelyabinsk obl.)		ARMS, later AERO		converted postwar to missiles and space products; now AO 'Ust'-Katavskii Vagonostroitel'nyi z-d' (rolled and high-grade steels)	1946-97	C33 (p. 158)
13		Moscow (Izmailovskii Park)		AERO	NKAP (1941)	aircraft components	1941	B1
14	im. Kosyakova	Roshal' (Moscow obl.)		MUNS	NKTP (1934), NKOP (1936)	former 'Roshal'skii Porokhovoi z-d', explosives; now 'Roshal'skii Khimicheskii kombinat im. A.A. Kosyakova'	1934-6	A3 A4
15		Chapaevsk		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	explosives; now AO 'Polimer'	1929-36	A1 A3 A4
16		Voronezh		AERO	NKOP (1936), NKAP (1941)	built 1928, converted 1931 from agricultural equipment to aeroengines; evacuated 9/41 to Kazan'	1936-41	A4 C41

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
16		Kazan'	KB, OKB	AERO	NKAP (1941)	evacuated from Voronezh 9/41; absorbed z-dy 27 and 82; acquired resources from BMW (Basdorf) 1946; now AO 'Kazanskoe Motorostroitel'now ob'edinenie'	1941-94	C8 C41 C36 (pp. 90-1)
17	Podol'skii Patronnyi	Podol'sk		MUNS	VSNKh (1929), NKOP (1936), NKAP (1940)	cartridges; renumbered 1940; evacuated Barnaul 1941	1929-41	A1 A4 F4
17		Leningrad, now St Petersburg	TsKB	SHIP	NKSP (1940)	experimental plant and TsKB opened 1940; TsKB evacuated 1941to Moscow but plant closed	1940-1	F4
17		Kazan'		AERO	NKAP (1946)	opened 1946 to build BMW 003 jet engines as RD-20s; later absorbed by z-d 16 by 1963	1946	D28
18	im. Voroshilova	Voronezh	KB, OKB	AERO	NKOP (1936), NKAP (1941)	bombers; evacuated 10/41 to Kuibyshev	1934-41	A4 C8 C41 C13
18	im. Voroshilova	Kuibyshev, now Samara		AERO	NKAP (1941), GKVT (1958)	evacuated from Voronezh 10/41; absorbed z-d 295; bombers and airliners; by 1958 'filial z-da 156'; now AO 'Aviakor'	1941-94	A7 C8 C41 C5 (p. 301)
19		Moscow (Pavshino)	KB	SHIP	VSNKh (1930), NKTP (1934)	Note two z-dy nos 19 in 1934; this one under GUSudProm	1930-4	A2 A3
19	im. Stalina	Perm'	OKB	AERO	NKTP (1934), NKOP (1936), NKAP (1941), GKVT (1958)	Note two z-dy nos 19 in 1934; this one under GUAviaProm, opened 1934, aeroengines; acquired resources from Buessing, 1946; now AO 'Permskie motory'	1934-94	A3 A4 A7 C41
20		Moscow		AERO	NKTP (1934), NKOP (1936)	aeroengine components; evacuated 1941 to Omsk; z-d 41 opened on Moscow site 1943	1934-6	A3 A4 C8
20		Omsk	OKB	AERO	NKAP (1944), MAP (1946), GKVT (1958)	evacuated from Moscow 1941; hydraulic components; now AO 'Omskagregat'	1944-59	A7 C8 B3 A6
21		Izhevsk		ARMS	VSNKh (1929)	former 'Izhevskie Oruzhenye i Staleliteinye z-dy', rifles; broken up and renumbered z-dy 71 and 74 from c. 1931	1928-29	A1 C8
21	im. Ordzhonikidze	Gor'kii, now Nizhnii Novgorod	OKB	AERO	NKTP (1934), NKOP (1936)	fighters, opened 1932; now AO 'Sokol'	1934-97	A3 A4 C8 C41 H3
22	im. Gorbunova	Moscow (Fili)	KB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936), NKAP (1941)	originally 'Russko-Baltiiskii z-d', then GAZ-2 (automobiles) and '1-i BTAZ'; converted to aviation and became GAZ-7 (aircraft); renumbered z-d 22 from 1927; also known as 'z-d 10 let Oktyabrya'; site of Junkers production 1923-7; evacuated 9/41 to Kazan'	1929-41	A1 A2 A3 A4 A7 C8 C41
22	im. Gorbunova	Kazan'	KB	AERO	NKAP (1941), GKVT (1958)	evacuated from Moscow 9/41; absorbed z-d 124; bombers and airliners; acquired resources from Heinkel (Elsnitz), 1946; now 'Kazanskoe APO im. S.P. Gorbunova' (KAPO)	1941-94	A7 C8 C41 C5 (p. 300)
23	Krasnyi Letchik	Leningrad, now St Petersburg	OPO-3, OKB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936)	formerly the 'Russko-Baltiiskii z-d', then 'Petrogradskii ob'edinennii z-d' and from 1922 'Krasnyi letchik'; GAZ (aircraft) no. 3, renumbered in 1927; seaplanes and trainers, evacuated 6/41 to Moscow, then 10/41 to Novosibirsk where absorbed by z-d 153	1929-36	A1 A3 A4 C8 (vol. 1, pp. 22, 413) C48 (p. 313)
23	im. Khrunicheva	Moscow (Fili)	OKB	AERO	NKAP (1941)	bombers, opened 7/42 on site of evacuated z-d 22; from 1961 space equipment; now part of 'Gos. Kosmicheskii NP tsentr im. M.V. Khrunicheva'	1941-94	C41 D1 (N3/97)
24	im. Frunze	Moscow	KB, OKB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936), NKAP (1941)	aeroengines; formerly the Gnome-Rhone factory, from 1922 'Ikar'; GAZ (aircraft) no. 2, renumbered 24 on merger with GAZ (aircraft) no. 4 on 2/3/27, and named after M.V. Frunze; evacuated 9/41 to Kuibyshev	1929-41	A1 A3 A4 C8 (vol. 1, pp. 24, 49, 59, and 413) C41 C48 (p. 313)
24	im. Frunze	Kuibyshev, now Samara	KB, OKB	AERO	NKAP (1941)	evacuated from Moscow 9/41; now 'Samarskoe Motorostroitel'noe ob'edinenie im. M.V. Frunze'; rocket motors and aeroengines	1941-94	C41
25		Moscow (Khodynka)	KB, OKB	AERO	VSNKh (1929), NKOP (1936), MAP (1948)	formerly the factory of F. Moxsa, then GAZ (aircraft) no. 5, also known as 'Samolet', before renumbering in 1927; note two z-dy nos 25 in 1936; this one under GUAviaProm, aircraft prototypes	1930-48	A2 A4 A5 A6 C8 (vol. 1, pp. 23, 413) C48 D39 (7/6/47)
25				MUNS		Note two z-dy nos 25 in 1936; this one under GlavAzot (the nitrate industry)	1936	A4
26	im. Pavlova	Rybinsk	KB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936)	built as 'Russkii Reno' works and became GAZ (automobiles) no. 3; converted to aeroengines 1923 and became GAZ (aircraft) no. 6; renumbered z-d 26 in 1927; evacuated 11/41 to Ufa into combine-harvester engine plant	1929-41	A1 A3 A4 C8 (vol. 1, pp. 24, 74) C41 (p. 313)
26	im. Pavlova	Ufa	OKB, KB	AERO	NKAP (1941), GKVT (1958)	former combine harvester engine plant, absorbed by z-d 26 evacuated from Rybinsk 11/41; now AO 'Ufimskoe Motorostroitel'noe ob'edinenie'	1941-94	A7 C41
27		Kazan'		AERO	NKOP (1936)	aeroengines; opened 1939, absorbed by evacuated z-d 16 in 9/41	1936-41	A4 C41
27		Moscow	OKB-1, OKB-2	AERO	NKAP (1944), MAP (1948)	founded 1916; propellers, acquired Junkers resources 1946	1944-8	F2 B3 C36 (pp. 90-1) A6
28	im. Ordzhonikidze	Moscow	OKB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936)	propellers and skis, evacuated 1941 to Pavlov na Oke	1929-36	A1 A3 A4 C8 D26 (N9/95)
29	im. Baranova	Zaporozh'e	OKB	AERO	VSNKH (1929), NKTP (1934), NKOP (1936), NKAP (1941)	former 'Deka', then GAZ (aircraft) no. 9, also known as 'Bolshevik'; aeroengines, evacuated to Omsk 8/41; new plant opened on site 1945 as z-d 478	1929-41	A1 A3 A4 C8 (vol. 1, pp. 25, 413) C41

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
29	im. Baranova	Omsk	OKB	AERO	GKVT (1958), MAP (1946)	evacuated from Zaporozh'e 8/41; aeroengines; now 'Motorostroitel'noe predpriyatie im. P.I. Baranova'	1941-94	A7 C41 C36
30	Aviapribor	Moscow (Gruzinyi)		AERO	VSNKh (1929)	instruments; in 1934 split up into z-dy 213 and 230	1930	C8
30		Moscow (Ivankovo)	OKB	AERO	NKOP (1936)	aircraft prototypes; closed or renumbered before 1941?	1936	A4
30		Savelovo		AERO	NKAP (1941)	machine tools, converted 2/41 to aircraft and renumbered 288	1939-41	C23
30	im. Dement'eva	Moscow (Khodynska)		AERO	NKAP (1941)	aircraft, opened 12/41 on site of evacuated z-d 1; 'Znamiya truda' from 1963; now 'Moskovskoe APO im. P.V. Dement'eva, part of MAPO-MIG (itself part of VPK-MAPO)	1941-94	C8 C41 C5 (p. 303)
31	im. Dmitrova	Taganrog	KB	AERO	VSNKh (1929), NKTP (1934), NKOP (1936), NKAP (1941)	factory of the former AO 'Lebed', then GAZ (aircraft) no. 10 before renumbering in 1927; seaplanes, evacuated 10/41 to Tbilisi; z-d 86 opened on site 9/43	1929-41	A1 A3 A4 C8 (vol. 1, pp. 23, 413) C41 D28 (N3/96)
31	im. Dmitrova	Tbilisi		AERO	NKAP (1941), MAP (1946)	evacuated from Taganrog 10/41; absorbed z-dy 448 and 45; fighters; now 'Aviatsionnoe Gos. ob'edinenie im. Dmitrova'	1941-94	C8 C41
32	Moskovskii Agregatnyi	Moscow		AERO	NKTP (1934), NKOP (1936), NKAP (1941)	aircraft, built on site of z-d 1; evacuated 1941 Kirov	1934-41	A3 A4 C8 C1 D9
32		Kirov		AERO	NKAP (1941)	aircraft, evacuated from Moscow 1941	1941	B3 F3 D5 (N10/94)
33		Moscow	OKB	AERO	NKTP (1934), NKOP (1936), NKAP (1941)	aircraft components, evacuated 1941 Molotov	1934-41	A3 A4 C8 F3
33		Molotov, now Perm'	OKB	AERO	NKAP (1944), GKVT (1958)	aircraft, evacuated from Moscow 1941	1944-59	A7 B3
34	im. Postysheva	Moscow		AERO	NKTP (1934), NKOP (1936), NKAP (1941)	opened 1931 within z-d 1; aluminium and aircraft radiators; evacuated Troitsk 1941	1934-41	A3 A4 C8 D26 (N7/90)
34		Troitsk		AERO	NKAP (1944)	evacuated from Moscow 1941; aircraft radiators	1944	B3
35		Smolensk	BOK	AERO	NKTP (1934), NKOP (1936), NKAP (1941)	former Promvozdukh UVVS repair factory no.3, 1926-8; aircraft prototypes; evacuated 6/41 Kuibyshev into z-d 1; site reopened 3/44 as z-d 475	1934-41	A3 A4 C8 C41 C1
36	Aerolak	Moscow		AERO	VSNKh (1929)	paints and varnishes	1929-30	A1 C8
36		Rybinsk		AERO	NKAP (1936)	aeroengines, opened on site of evacuated z-d 26 in 2/42; now AO 'Rybinskie motory'	1942-94	C41
37	im. Ordzhonikidze	Moscow		ARMOUR	NKOP (1936), NKTankProm (1941)	light tanks, evacuated 9/41 Sverdlovsk	1936-41	A4 C33 (p. 164) D35 (N1/98, p. 36) C2 (p. 10)
37	im. Ordzhonikidze	Sverdlovsk, now Ekaterinburg		ARMOUR	NKTankProm (1941)	evacuated from Moscow 9/41	1941-2	C2 (p. 10)
37		Moscow	OKB	ELEC	GKVT (1958)	radar instruments and stations	1958-9	A7
38		Leningrad, now St Petersburg		OTHER	GVMU (1934)		1934	A3
38	im. Kuibysheva	Kolomna		ARMOUR	NKOP (1936), NKTankProm (1941)	steam locomotives 1869-1956, tanks from mid-1930s; numbered from c. 1939; evacuated Kirov 1941	c. 1940	C49 C33 (p. 164)
38	im. Kuibysheva	Kirov		ARMOUR	NKTankProm (1941)	evacuated from Kolomna; self-propelled artillery and light tanks	1941	C49 C2 (pp. 10, 20)
39	im. Menzhinskogo	Moscow (Khodynska)	BOK, KB, OKB, TsKB, TsKB-29	AERO	NKTP (1934), NKOP (1936), NKAP (1941)	former Promvozdukh UVVS Trust repair factory 'Aviarabotnik' until 1930; housed OGPU 'VT' design section from 2/30 and also TsKB-29 from 1/33; prototypes and aircraft; evacuated 9/41 Irkutsk	1934-41	A3 A4 C8 C41 C1
39		Irkutsk		AERO	NKAP (1941)	evacuated from Moscow (Khodynska); absorbed z-d 125; fighters and bombers plant; now AO 'Irkutskoe APO' (IAPO)	1941-94	C41 C5 (p. 307)
40	im. Lenina	Kazan'	KB	MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	explosives; former 'Kazan'skii Porokhovoi z-d'; in 1958-9 OPTB-40 in Kazan' specialised in powder production technology, now 'Kazanskoe Gos. NPP im. V.I. Lenina'	1929-36	A1 A3 A4 A7 H2 (p. 410)
40	Metrovagonzavod	Mytishchi		ARMOUR	NKTankProm (1943)	opened 1943 and built tanks and other armoured vehicles	1943-6	C33 (p. 164) D22 (vol. 4, no.1 (1983), p. 52) C2 (pp. 11, 20-1)
41		Moscow		AERO	VSNKh (1929)	saw mill, transferred to timber industry 1932	1929-32	A1 C8 C1
41		Moscow	OKB	AERO	NKAP (1942), MAP (1948)	aeroengines (incl. M-11), opened 1943 on site of evacuated z-d 20	1943	C8 A6
42	im. Maslennikova	Samara	KB	MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'Samarskii Trubochnyi z-d': fuses and explosives; now GP 'z-d im. Maslennikova' (ZIM)	1929-36	A1 A3 A4
43	im. Maksima Gor'kogo	Kiev	OKO, OKB	AERO	NKOP (1936), NKAP (1941)	former Promvozdukh UVVS repair plant no. 6 until 1930, then prototypes; evacuated 7/41 Omsk into z-d 166; site reopened 11/43 as z-d 473	1928-41	A4 C8 C41 C1
43	Kommunar	Moscow		AERO	NKAP (1941)	opened 1941; aircraft armament, later air-to-air missiles; acquired Brunwerke resources 1946	1941-9	B3 D5 (10/94) C36 (pp. 90-1)
44				ARMS	NKV (1941)		c. 1941	D39 (4/6/42)
45	im. Maksima Gor'kogo	Sevastopol'	OMOS, KB	AERO	NKOP (1936), NKAP (1941)	former Promvozdukh UVVS repair plant no. 2; later, prototype seaplanes; evacuated 8/41 Tbilisi and absorbed by z-d 31	1928-41	A4 C8 C41 C1

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
45		Moscow	OKB-45, OKB-45-165	AERO	NKAP (1942), MAP (1946)	aeroengine plant opened 2/42 on site of evacuated z-d 24; now 'Moskovskoe Mashinostroitel'noe Proizvodstvennoe predpriyatnie (MMPP) "Salyut"	1942-6	C41 D1 (N9-10/97, p. 39) C36
46		Moscow (Kuntsevo)	NII	MUNS, later ARMS	VSNKh (1929), NKOP (1936), NKV (1941)	former 'Moskovskii droboliteinyi z-d', established 1911; blasting caps, later lead shot, then small arms and machine-guns; in 1945 switched to radar for trajectory measurement; incorporated NII-20 and z-d 465 on their return from evacuation; now 'MTZ'	1929-96	A1 A4 D29 (N3-3/96, pp. 92-3)
47	im. Maksima Gor'kogo	Leningrad, now St Petersburg	OKB	AERO	NKOP (1936), NKAP (1941)	former Promvozdukh UVVS repair plant no. 3; from 1934 trainers; evacuated 8/41 Chkalov	1930-41	A4 C8 C41 C1
47		Chkalov, now Orenburg		AERO	NKAP (1941)	evacuated from Leningrad; aircraft and helicopters, later missiles; now PO 'Strela'	1941-94	C41 C1
48	Bolshevik	Leningrad, now St Petersburg		ARMS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'Obukhovskii z-d', large, versatile arms factory; renumbered 232 from 1935	1929-36	A1 A2 A3 A4 D17
48	Khar'kovskii Instrumental'nyi	Khar'kov		ARMOUR	NKOP (1936)	tanks	1936-41	A4 D17
48	Mashinostroitel'nyi	Moscow		ATOM		transferred to nuclear industry at end of war; mining and chemical equipment; now 'Mashinostroitel'nyi z-d "Molniya"	c. 1945	C33 (p. 218) D25 (30/8/95)
49		Taganrog (Berdiansk)	OKB	AERO	NKOP (1936), NKAP (1941), MAP (1948), GKVT (1958)	seaplane prototypes; closed 1941, reopened 1946 with Beriev OKB; now AO 'Taganrogskii ANTK im. G.M. Berieva'	1934-94	A4 A7 C8 C41 A6
50	im. Frunze	Penza	KB	MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'Penzenskii Trubochnyi z-d'; explosives, fuses, detonators; now AO 'z-d im. Frunze' (ZIM)	1929-36	A1 A2 A3 A4
50		Sverdlovsk, now Ekaterinburg		ARMOUR	NKTankProm (1943)	originally 'Metallist'; acquired evacuated equipment from Moscow, Podo'lsk, Stalingrad; built T-34 and self-propelled artillery from 1943; now 'Uraltransmash'	1943-95	D37 (4/4/95)
51		Moscow		MUNS	NKOP (1936)	organic chemicals under Glavorgkhimprom	1936	A4
51		Moscow (Khodynka)	OKB, KB-2	AERO	NKAP (1940), MAP (1948), GKVT (1958)	opened 1940 evacuated 10/41 to z-d 153; 8/43 reopened; aircraft to 1944, then cruise missiles with Chelomei OKB; on 19/2/53 renamed 'filial OKB-155', then 26/10/53 'OKB-1 z-da 26' for Sukhoi, then 15/1/54 once again z-d 51; now ANPK 'OKB-Sukhogo'	1940-1, 1943-53, 1954-97	A7 C41 D43 (N1 2/97, p. 7) C33 (p. 229) A6
52	Shlissel'burgskii Porokhovoi	Shlissel'burg, now Poselki Morozova		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	former 'z-d im. Morozova'; chemicals and explosives, now once again GP 'z-d im. N.A. Morozova'	1929-36	A1 A4 F3
53		Shostka		MUNS	NKTP (1934), NKOP (1936)		1934-6	A3 A4
54				ARMS	NKV (1942)		c. 1941	D39 (4/6/42)
55		Pavlograd		MUNS	NKTP (1934), NKOP (1936)	shells; evacuated 1941; postwar solid fuel for ICBMs	1934-6	A3 A4 F3
55			OKB	AERO	NKAP (1942)	OKB and experimental plant given to Kostikov 9/42 within RNII to develop aircraft 302, rocket/ramjet fighter	1942	D4 (N1-2/98, p. 67)
56		Nizhnii Tagil'		MUNS	NKOP (1936)	under construction 1936	1936	A4 F3
56		Moscow (Khodynka)		AERO		aircraft repair factory, transferred to GVF and renumbered z-d 89 before 1936?	c. 1935	B7
58		Moscow		MUNS	NKOP (1936)	cartridges	1936	A4 F3
59		Donetsk, later Stalino, now Donetsk		MUNS	NKOP (1936)	chemicals and explosives	1936	A4 F3
60		Lugansk, later Voroshilovgrad, now Lugansk		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	former Luganskii Patronno-gil'zovyi z-d; cartridges, evacuated 1941 to z-dy 537, 540, 541, 543, 545 and to Frunze (repair z-d of NKMestProm)	1929-41	F2 A1 A3 A4 F3
61	im. Kommunara	Nikolaev		SHIP	NKTP (1934), NKOP (1936)	shipyard, later renumbered 200 before 1941; named '61im. Kommunara'	1934-6	A3 A4
61		Moscow		AERO	NKAP (1945)	experimental plant for jet/rocket engines	1945	D43 (N3-4/97, p. 23)
62		Yaroslavl'		MUNS	NKOP (1936)	munitions, evacuated 1941 to Chelyabinsk	1936	A4 F3
62	Krasnoe Sormovo	Gor'kii, now Nizhnii Novgorod		SHIP		shipyard renumbered 112 (before 1936?)	c. 1996	D29 (N7/96)
63		Nizhnii Tagil'		MUNS	NKOP (1936), NKB (1941)		1936-41	A4 F3 C33 (p. 143)
64		Ukraine		MUNS	NKB (1941)	fuses	c. 1941	D39 (4/5/77)
64		Voronezh		AERO	NKAP (1943), MAP (1946)	bombers, later airliners, opened 4/43; now 'Voronezhskoe Samoletostroitel'noe obshchestvo'	1943-94	C41 C13 C36 C16
65		Taganrog		MUNS	NKOP (1936)		1936	A4 F3
65		Yaroslavl'		AERO	NKAP (1944)	aeroengines (incl. M-11D) opened c. 1944	1944	D17
66		Zlatoust'		AERO		associated with z-d 385 and SKB-385; now 'Mashinostroitel'nyi z-d "Bulat"	1996	D39 (30/8/96, 6/9/1996)
67		Moscow		MUNS	NKTP (1934), NKOP (1936)	bombs and mines	1934-6	A3 A4
68	Nevyanskii Mekhanicheskii z-d	Nevyansk		MUNS	NKOP (1936)	now 'Nevyanskii Mekhanicheskii z-d'	1936	A4
68				AERO	MAP (1946)	acquired Arado resources 1946	1946	C36 (pp. 90-1)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
69	im. V.I. Lenina	Moscow (Pavshino)		ARMS	NKOP (1936), NKV (1941)	optical instruments: numbered 19 until 1935 (?); evacuated 1941; reopened, now AO 'Krasnogorski Optiko-mekhanicheskii z-d (KOMZ) im. S.A. Zvereva'	1936-41	A4 F3 B7
70	im. Vladimira Il'icha	Moscow		MUNS	NKOP (1936)	munitions: now Moscow AO 'z-d im. Vladimira Il'icha' (ZIV)	1936	A4 F3 C33 (p. 234)
71		Izhevsk		ARMS	NKV (1944)	crude and rolled steel and machine tools; acquired German armament specialists 1946; now GP 'Izhstal'	1944-6	C36 (pp. 90-1) C33 (p. 158)
72		Verkhnyaya Tura		MUNS	NKOP (1936)	now 'Verkhneturinskii Mashinostroitel'nyi z-d'	1936	A4 F3
73		Stalino, now Donetsk		MUNS	NKOP (1936)	evacuated Sverdlovsk obl. 1941	1936	A4 F3
74		Izhevsk		ARMS	NKV (1941)	guns, including aircraft guns; now AO 'Izhmash'	c. 1941	F2
75		Moscow		MUNS	NKTP (1934), NKAP (1936)	shells	1934-6	A3 A4 F3
75	im. Malysheva	Khar'kov	SKB	ARMOUR	NKTankProm (1941)	tank engines, established 1940; evacuated 1941 to Chelyabinsk (ChTZ), but see also z-d 75 (Chelyabinsk); reopened 1951, medium tanks	1940-51	C33 (p. 163)
75		Chelyabinsk		ARMOUR	NKTankProm (1941)	evacuated 1941 from Khar'kov (but see also z-d 75 (Khar'kov))	1941	F2 D35 (N1/98, p. 40)
76		Khabarovsk		MUNS	NKOP (1936)		1936	A4 F3
76	Uralturbomotorni	Sverdlovsk, now Ekaterinburg		ARMOUR	NKTankProm (1941)	wartime diesel tank engines: now 'Uralturbomotorni z-d'	1941	F2 C33 (p. 164)
76	Serovskii Mekhanicheskii	Serov, formerly Nadezhdinsk		MUNS		former 'Nadezhdinskii Gos z-d'		D12 (N2/97, pp. 48-9)
77		Leningrad, now St Petersburg		MUNS	NKOP (1936)		1936	A4 F3
77		Barnaul		ARMOUR	NKTankProm (1941)	wartime diesel tank engines (for Omsk tank factory (?)); acquired equipment 1941 from Khar'kovskii traktorny z-d (KhTZ); now AO 'Barnaultransmash'	1941-97	C33 (p. 164) D22 (vol. 4, no.1 (1983), p. 52)
79		Dnepropetrovsk		MUNS	NKOP (1936)		1936	A4 F3
79		Moscow obl.		MUNS	NKB (1946)	acquired German armaments specialists 1946	1946	C36 (pp. 90-1)
80	im. Sverdlova	Dzerzhinsk		MUNS	VSNKh (1929), NKTP (1934), NKOP (1936)	shells and explosives; now GP 'z-d im. Ya.A. Sverdlova'	1929-36	A1 A3 A4 F3
81	im. Molotova	Moscow (Tushino)	KB, OKB	AERO	NKOP (1936), NKAP (1941)	former GVF repair factory no. 62, 1932-6; transferred to NKOP and renumbered 81 in 1936; source 12 has 'z-d im. Vodopyanova'; evacuated 1941 to z-d 166, Omsk; site rebuilt 3/42 as z-d 82	1936-42	A4 C8 C41 F3 C1
81		Moscow (Monino)		AERO	NKAP (1942)	repair and modification of lend-leased aircraft and radar development for PVO	1942-3	D26 (N9/90, N5/93) F4
81		Moscow (Khodynka)	OKB	AERO	NKAP (1945)	experimental plant and OKB Lavochkina on site of z-d 381; moved 10/45 to z-d 301	1945	D43 (N5-6/97, pp. 12-22)
81			OKB	AERO	MAP (1948)		1948	A6 A5
81		Moscow		ARMS	GKVT (1958)	rocket artillery	1958-60	A7 D46 (N2/97)
82		Moscow (Tushino)	KB	AERO	NKOP (1938), NKAP (1941)	former GVF Repair Plant No.163 1932-8 when it became z-d 82 and OKB for diesel aeroengines and later OKB became sharaga; evacuated 6/41 Kazan' into z-d 16; returned to new site in Tushino and reopened as z-d 500	1992	C8 C41
82		Moscow (Tushino)	OKB-4, OKB-30	AERO	NKAP (1942), MAP (1948)	opened 10/42 as fighter plant on site of old z-d 81; later built trams and trolleybuses then the T-4 plus helicopters, SAMs and Buran; now 'Tushinskii Mashinostroitel'nyi z-d'	1942-94	C41 B3 A5
83	im. Gor'kogo	Khabarovsk		AERO	NKOP (1936), NKAP (1944)	aircraft and repairs	1936-44	A4 B3 F3
84	im. Chkalova	Moscow (Khimki)	OKB	AERO	NKOP (1936), NKAP (1941)	former GVF repair plant, numbered 84 in 1935; transports; evacuated 1941 Tashkent	1935-41	A4 C8 C41 F3
84	im. Chkalova	Tashkent		AERO	NKAP (1941)	evacuated from Moscow 1941; transports; now 'Tashkentskoe APO (TAPO) im. V.P. Chkalova'	1941-97	C8 C41 H3
85		Moscow (Tushino)		AERO	NKAP (1941)	former GVF radio plant; evacuated 1941	1941	B1
85		Kuibyshev, now Samara	OKB	AERO	NKAP (1944)	propellers, 1931-54; then undercarriages, later rocket ordnance; now GP 'Aviaagregat'	1944-97	B3 D1 (N1/97) C5 (p. 300)
86		Bataisk (Marzevo)		AERO	NKAP (1941)	former GVF repair plant, numbered 86 c. 1937; evacuated 1941	1937-41	C1
86	im. Dmitrova	Taganrog	opytnyi razdel	AERO	NKAP (1943), MAP (1948)	former site of z-d 31 opened 9/43; seaplanes, bombers; now AO 'Taganrogskaya aviatsiya' (TAPO)	1943-94	C41 C36 A6
87		Tambov		AERO	NKAP (1944)	former GVF repair plant	1944	B3 C1
88		Balashov		AERO	NKAP (1944)	former GVF repair plant	1944	B3 C1
88		Podlipki (renamed Kaliningrad 1938), now Korolev	NII	AERO	NKV (1945), MAP (1946), GKVT (1958)	artillery until 1946, then long-range missiles under NII-88 (now AO 'Raketno-kosmicheskaya korporatsiya "Energiya"')	1946-95	A7 D26 (N9/93, N11/93, and N6/94) D1 (N5/96) H1 (vol. 4)
89	im. Golt'smana	Moscow	OKB, ZIG	AERO	NKAP (1944)	former GVF repair plant (also reported to be at Gor'kii)	1944	B3 C1 C16 (p. 31)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
90				MUNS	NKKhimprom (1942)	chemicals	1942	D39 (18/2/42)
91		Stalingrad, now Volgograd		MUNS	NKOP (1936)	organic chemicals, gas agents under Glavorgkhimprom	1936	A4 F3
92	im. Stalina	Gor'kii, now Nizhnii Novgorod	KB, TsKB	ARMS	NKTP (1934), NKOP (1936)	artillery, incl. self-propelled; also crude and rolled steel; now AO 'Nizhegorodskii Mashinostroitel'nyi z-d'	1934-6	A3 A4 F3 C50 (pp. 4-7) C2 (p. 20)
93		Moscow		MUNS	NKOP (1936)	gas agents under Glavorgkhimprom (1936); postwar Minkhimprom	1936	A4 F3 C33 (p. 235)
94		Moscow		MUNS	NKOP (1936)	gas agents under Glavorgkhimprom	1936	A4 F3
95		Setun' (Kuntsevo)		AERO	NKOP (1936), NKAP (1941)	rolling mill for aircraft components, evacuated 1941 Verkhnyaya Salda	1936-41	A4 C8 F3 F1
95		Verkhnyaya Salda		AERO	NKAP (1944)	evacuated 1941 from Setun'; aviation materials and components, now AO 'Verkhnesaldinskoe Metallurgicheskoe PO'	1944	B3 F1
96		Dzerzhinsk		MUNS	NKOP (1936)	gas agents under Glavorgkhimprom; acquired German specialists 1946; postwar 'Khimicheskii kombinat "Kaprolaktam"'	1936-46	A4 F3 C36 (pp. 90-1)
97		Uso'le (Sverdlovsk obl.)		MUNS	NKOP (1936)	gas agents under Glavorgkhimprom	1936	A4 F3
98		Kur'ya (Sverdlovsk obl.)		MUNS	NKOP (1936)	explosives	1936	A4 F3
98		Perm' obl. (?)		MUNS	NKB (1941)	opened 1941	1941	C21 (pp. 315-21)
99		Ulan Ude		AERO	NKOP (1936), NKAP (1941)	aircraft repairs 1936-9, then aircraft and helicopters; now AO 'Ulan-Udenskii Aviatсионnyi z-d'	1936-94	A4 C8 C41 F3
100		Aleksin (Tula obl.)		MUNS	NKOP (1936)	explosives; now GP 'Aleskinskii Khimicheskii kombinat'	1936	A4 F3
100	Opytnyi z-d im. Kirova	Leningrad, now St Petersburg	OKB, SKB, NII	ARMOUR	NKTProm (1941)	established from the experimental section of z-d 48 in 1934; experimental factory and OKB for heavy tanks; evacuated 1941 and opened in Chelyabinsk in 1942; transferred back to Leningrad 1944	1934-41, 1944	C46 (p. 10) D19 (p. 110) D6 (N7-8/98, pp. 22, 29) F4
100		Leningrad, now St Petersburg	OKB	AERO	NKAP (1942)	experimental factory and OKB established c. 1942 on site of z-d 23	1942	D43 (N1-2/97, p. 3)
100		Chelyabinsk	SKB, NII	ARMOUR	NKTProm (1944)	experimental factory evacuated from Leningrad in 1941; returned to Leningrad 1944	1942-4	C3 C49 D19 (N5/93, p. 110)
101		Kamensk (Azov obl.)		MUNS	NKOP (1936)	chemicals	1936	A4 F3
102		Chapaevsk		MUNS	NKTP (1934), NKOP (1936)	gas agents under Glavorgkhimprom; now AO 'Polimer'	1934-6	A3 A4 F3 D41 (26/10/96)
103	Dvigatel' (?)	Leningrad, now St Petersburg		SHIP	NKOP (1936), NKSP (1941)	torpedoes; evacuated 1941 to z-dy 199, 231, 709	1936-41	A4 F3 E1 C32 (p. 227)
103		Kuibyshev, now Samara (Bezymenka)		AERO	NKAP (1941)	aircraft (director Tavashyano)	1941	B7
104		Irkutsk		ARMOUR	NKOP (1936)	tanks under Spetsmashrest (1936)	1936	A4 F3
105	im. Kaganovicha	Khabarovsk		ARMOUR	NKTP (1934), NKOP (1936), NKAP (1942)	former 'Khabarovskii Arsenal' under Dal'sel'mash GVMU (1934), Spetsmashrest (1936); tanks, also gun repairs; postwar 'Dal'dizel'	1934-42	F2 A3 A4 B2 F3
106	Mekhanicheskii z-d im. Molotova	Sverdlovsk, now Ekaterinburg		ARMS	NKOP (1936)	artillery	1936	A4 D17
107	im. Chubarya	Stalino, now Donetsk		ARMOUR	NKAP (1940), NKTProm (1941)		1940-94	F2 D17
109		Voronezh		MUNS	NKOP (1937)		1937	D17 F3
110				MUNS	NKB (1945)		1945	D39 (19/9/45)
111		Gor'kii, now Nizhnii Novgorod		AERO	NKAP (1944)	undercarriage; now AO 'Gidromash'	1944	B3 D30 (N8/96, p. 1)
112	Krasnoe Sormovo	Gor'kii, now Nizhnii Novgorod	TsKB, KB, SKB	SHIP, later ARMOUR	NKOP (1937), NKSP (1939), NKTProm (1941)	shipyard, in 1941 absorbed part of evacuated z-d189; in wartime built tanks, incl. T-34-85; after 1945 built submarines; now AO 'z-d Krasnoe Sormovo'	1937-96	D29 (N7/96) C2 (p. 14) E1 C32 (pp. 100, 227, 230-1)
113		Sel'tso (Bryansk obl.)		MUNS	NKOP (1936)	under construction 1936; now 'Bryanskii Khimicheskii z-d'	1936	A4 F3
114		Chelyabinsk		MUNS	NKOP (1936)	under construction 1936	1936	A4 F3
115		Moscow	OKB, z-dy 272 and 292	AERO	NKOP (1936), NKAP (1941), MAP (1948), GKVT (1958)	experimental factory and OKB Yakovleva; evacuated 10/41 to z-d 153, reopened 3/42; now AO 'OKB im. A.S. Yakovleva'	1934-96	A4 A7 C41 F3 C17 A6
116		Arsen'ev (Semenovka)		AERO	NKOP (1936), NKAP (1940), GKVT (1958)	former Semenovka repair plant; from 1941 aircraft, missiles, helicopters; now 'Aviakompaniya "Progress" im. N.I. Sazykina'	1936-97	A4 C8 C41 F3 H3

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
117	Krasnyi Oktyabr	Leningrad, now St Petersburg	OKB	AERO	NKAP (1940), MAP (1946-8), GKVT (1958)	general engineering, converted to aeroengines 1939; evacuated 8/41 Ufa to z-d 26; site still manufactured weapons, reopened 1946 as experimental aeroengine plant and Klimov OKB; now NPP 'z-d im. V.Ya. Klimova'	1939-94	A7 C8 C41 H3 A6
118		Moscow	OKB	AERO	NKAP (1942), MAP (1946), GKVT (1958)	instruments, opened 1942; from 1945 engine and flight control systems (e.g. autopilots); now MNPk 'Avionika'	1942-94	A7 C5 (p. 292) A6
119	im. G.M. Malenkova	Moscow	OKB	AERO	NKOP (1936)	built 1915; named after Malenkov 6/40; aircraft wheels and undercarriages; evacuated 10/41 Gor'kii as 'filial z-da 120'	1936	A4 C8 F3 F4
120		Balashikha (Reutov)		AERO	NKOP (1936), NKAP (1940)	metal components from foundry (subsequently z-d 219)	1936-40	A4 C8 (vol. 1, p. 427) F3
120		Stupino, now Kashira	OKB	AERO	MAP (1948), GKVT (1958)	propellers; now AO 'NPP "Aerosila"	1948-59	A7 A6
121		Kubinka		AERO		repairs, now part of VPK 'MAPO'+G235	1996	D40 (30/7/96)
122		Kuibyshev, now Samara		AERO	NKAP (1941)	built as z-d 122, absorbed before opening 10/41 by evacuated z-d 1	1941	C41
122		Moscow		AERO	NKAP (1944)	instruments; acquired Askaniya resources 1946	1944-8	B3 C36 (pp. 90-1) D10 (N14/??)
124		Kazan'		AERO	NKOP (1936), NKAP (1941)	aircraft, absorbed 9/41 by evacuated z-d 22	1936-94	A4 C41 F3
124			OKB	AERO	MAP (1948)	aircraft parts	1948	A6 A5
125	im. Stalina	Irkutsk		AERO	NKTP (1934), NKOP (1936), NKAP (1941)	bombers, transports, absorbed 10/41 by evacuated z-d 39	1934-41	A3 A4 C41 F3
126		Komsomol'sk na Amure		AERO	NKOP (1936), NKAP (1941), MAP (1946)	bombers, fighters; now 'APO im. Yu.A. Gagarina'	1936-95	A4 C41 F3 H3
127		Kiev	TsTB	SHIP	NKSP (1941)	shipyard	1941	D17
128		Moscow		AERO	NKAP (1941)	propellers	1941	B7
130		Kazan'		AERO	NKAP (1944)	instruments	1944	B3
130		Komsomol'sk na Amure		AERO	GKVT (1958)	aircraft components plant, absorbed by z-d 126 c. 1958	c. 1958	B7
131		Kutaisi		AERO	NKAP (1944)	aircraft repairs	1944	B3 F4
132		Moscow (Khodynka)		AERO	NKOP (1936)	former Promvozdukh UVVS repair plant No. 1; later aircraft components; evacuated Sim 1941 (?)	1936	A4 C8 F3 C1 F4
132		Sim		AERO	NKAP (1944)	undercarriages	1944	B3
132			OKB	AERO	MAP (1948)	aeroengine parts	1948	A6
133		Moscow		AERO	NKOP (1937)	instruments, evacuated 1941; from 1942 site used as GVF repair plant until OKB Myasishcheva was relocated here in 1944 and renumbered z-d 482	1937-41	C8 D10 (no.19)
134		Moscow (Tushino)	OKB	AERO	NKAP (1940), MAP (1946-8), GKVT (1958)	aircraft armament; evacuated Kazan' 1941, reopened 1942 and housed Sukhoi OKB; later missiles; now 'Gos. MKB "Vympel"	1940-58	F2 A7 D5 (N10/94) C14 (p. 70) A6
135		Khark'ov	KB	AERO	NKOP (1936), NKAP (1941), MAP (1946)	former 'Kharkovskii Aviatsonnyi z-d'; prototypes, later series aircraft; building expt. submarine; evacuated Molotov 10.41; reopened 8/43; fighters, trainers, latterly airliners; now 'Khar'kovskoe Gos. Aviatsonnoe Proizvodstvennoe predpriyatie'	1936-94	A4 C8 C41 F3 C32 (p. 230)
135		Molotov, now Perm'		AERO	NKAP (1941)	acquired evacuated Kharkov plant 10/41; light bombers; closed 1/42	1941-2	C8 C41 F3
136		Kambarka (Udmert Republic)		OTHER		central base for production and repair of CBR equipment opened 1941; decontamination vehicles and facilities	1941-98	D29 (N3-4/98, p. 53)
138		Leningrad, now St Petersburg		SHIP	NKSP (1941)	shipyard	1941	C49
139				SHIP	NKSP (1941)	shipyard	1942	D39 (3/12/42)
140		Moscow		AERO	MAP (1946)	instruments; acquired Bosch resources 1946	1946	C36 (pp. 90-1)
143		Leningrad, now St Petersburg		AERO	MAP (1960)	jet aeroengines	1960s	B7
144		Stalino, now Donetsk		MUNS	NKOP (1936)	munitions, under construction 1936	1936	A4 F3
145	im. S.M. Kirova	Moscow		AERO	NKOP (1936)	former Ustanovka Trust plant; aircraft components	1937	A4 C8
145		Kuibyshev, now Samara (Krasnaya Glinka)		AERO	NKAP (1944), MAP (1946)	aircraft armament; acquired German engineers and equipment from Dessau, Strassfurt, and Ascania (Berlin) in 1946 for aeroengine development, renamed 'Gos. Opytnyi z-d no. 2'	1944-53	B3 C36 (pp. 90-1)
147		Tula	NII	MUNS	GKVT (1958), MAP (1993)	munitions and MLRS; now part of 'Gos. NPP "Splav"	1958-97	F2 A7 D17 D29 (N9-10/97, p. 126)
148		Karaganda	TB-7	MUNS	NKOP (1936)	gas agents under Glavorgkhimprom (1936)	1936	A4
149		Irkutsk		AERO	NKOP (1936)	aeroengines	1936	A4 F3
150	Stupinskii Metallurgicheskii	Stupino, now Kashira		AERO	NKOP (1936), NKAP (1941)	propellers, later trainers; evacuated 1941 to Stalinsk (Kiselovsk); now AO 'Stupinskii Metallurgicheskii kombinat'	1936-41	A4 C8 F3 B6 C33 (p. 103)
152				MUNS		chemicals		F3
153		Novosibirsk	OKB	AERO	NKOP (1936), NKAP (1941), MAP (1946)	fighters, opened 1936; absorbed evacuated z-d 301 9/41; now Novosibirskoe APO	1936-94	A4 C8 C41 F3

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
154	im. Stalina	Voronezh	OKB	AERO	NKOP (1936), NKAP (1941), MAP (1948)	aeroengines, opened 1928 as filial z-da 16 until 3/41 when renumbered; evacuated 10/41 to Andizhan; reopened 1946 in Voronezh on site of filial z-da 16; now 'Voronezhskii Mekhanicheskii z-d'; note z-d 265 was also built on a site of z-d 16	1936-94	F2 A4 C8 C41 F3 F1
154	im. Stalina	Andizhan	OKB	AERO	NKAP (1941)	evacuated from Voronezh 10/41; returned to Voronezh 1946	1941-6	C41 F1
155		Moscow	OKB	AERO	NKAP (1942), GKVT (1958), MAP (1948, 1965)	former z-d 480; rebuilt and renumbered from 3/42 to house OKB-MIG; now MAPO-MIG, part of VPK MAPO	1942-94	A7 C41 D26 (N10/95) A6
156		Moscow	ZOK, TsKB, OKB	AERO	NKOP (1936), NKAP (1941), MAP (1948), GKVT (1958)	experimental factory, evacuated 1941 to z-d 166, Omsk; site repaired aircraft till OKB returned 1943; home of Tupolev OKB, now AO 'Nauchna-Tekhnicheskii kompleks im. A.N.Tupoleva'	1936-94	A4 A6 A7 C8 C10 (pp. 14-15) C41
157		Khar'kov	OKB-33	AERO	GKVT (1958)	aviation components; evacuated 1941, reopened after war; experimental aneroid instruments	1958-9	A7
158		Khar'kov		ELEC	NKOP (1937), NKEP (1941), MPromSvyaz (1948)	electrical equipment; evacuated 1941	1937-41	F2 D17
160		Omsk		AERO	NKAP (1942)	opened 1942; designated for Tu-2s but converted to Yak-9 components for z-d 166 and absorbed by the latter after the war	1942-5	B7 B1 (OKL 17/3/45)
160		Fryazino	OKB, NII	ELEC	GKVT (1958)	thermionic valves	1958-9	A7
161		Moscow		AERO	NKOP (1936), NKAP (1941)	propellers; evacuated Ufa 1941	1936	F2 C8 F1
161		Ufa	OKB	AERO	NKAP (1944), MAP (1948), GKVT (1958)	propellers, evacuated from Moscow 1941; by 1958 OKB specialised in electrical equipment for rocket motors	1944-58	B3 F1 A6
162	im. Kulturalina	Leningrad, now St Petersburg		AERO	NKOP (1937), NKAP (1944)	propellers	1937-44	C8 B3
163		Irkutsk		AERO	NKOP (1938)	wooden aircraft components	1938	F4 C24
163		Moscow (Tushino)		AERO	NKAP (1942)	aviation plant	1942	D42 (N 2/95, p. 3)
163		Penza	OKB	AERO	NKAP (1944)	undercarriages; by 1955, aircraft simulators	1944	B3 D29 (N9/96, p. 124)
164		Leningrad, now St Petersburg		AERO	NKOP (1938)	aircraft components; after war, radar equipment (?)	1938	F4
165		Moscow	OKB	AERO	MAP (1946-8), GKVT (1958)	aircraft components; from 1946, prototype jet engines under Lyul'ka OKB; now AO 'A.M. Lyul'ka-Saturn'	1946-94	A7 C41 H3 A6
166		Omsk	OKB	AERO	NKAP (1941), MAP (1946)	formed 1941 by merging evacuated z-dy 81, 156, and some personnel of z-d 288; OKB-156 and Beriev OKB also evacuated here 1941-3; bombers, fighters, airliners; after war, also missiles and space equipment; now PO 'Polet'	1941-94	F2 C8 C41 (p. 391) F1
167		Moscow (Kuntsevo)		AERO	NKOP (1938), NKAP (1941)	propellers, opened 1938; evacuated 1941	1938-41	C8 D31 (N2/95)
167		Saratov		AERO	NKAP (1944)	propeller plant	1944	B3 D39 (6/7/45)
168		Ryazan'		AERO	NKTP (1933), NKOP (1937), NKAP (1941)	aircraft repairs, components; evacuated 1941 to Volzhsk	1933-41	C8 C41
168		Volzhsk		AERO	NKAP (1944)	trainers and components; moved to Rostov na Donu 1944	1941-4	C8 C41
168		Rostov na Donu		AERO	NKAP (1944), MAP (1946)	moved from Volzhsk 1944; aircraft, later helicopters; now AO 'Rosvertol'	1944-94	C41
169		Kazan'		AERO	NKAP (1944)	undercarriages	1944	B3
169		Kazan'		AERO	NKAP (1941)	transferred to NKAP 1939; wooden aircraft components; absorbed by evacuated z-d 387 in 8/41	1994	C41 D4 (N7-8/96, p. 76) D39 (26/7/42)
170				OTHER	NKTsvetM (1942)		1942	D39 (26/7/42)
171				OTHER	NKTsvetM (1942)		1942	D39 (26/7/42)
172	im. Lenina	Molotov, now Perm'	KB	ARMS	NKOP (1938), NKV (1939)	former Arsenal; artillery, with steel plant and rolling mill; now AO 'Motovilikhinskii z-dy'	c. 1938	C11 C33 (p. 148)
174	im. Voroshilova	Leningrad, now St Petersburg	KB	ARMOUR	NKTankProm (1940)	heavy tanks	1940-1	C49 D25 (7/12/96) C27 (p. 1) C2 (pp. 4, 13)
174	im. Voroshilova	Omsk	KB	ARMOUR	NKTankProm (1941)	evacuated from Leningrad 1941, absorbing former locomotive repair shop on site	1941-5	C49 C27 (p. 1)
175		Bol'shoi Tokmak		SHIP	NKSP (1941)	evacuated 1941 to z-d 182	1941	E1 C32 (p. 228)
175		Nizhnaya Salda		AERO	GKVT (1958)	special-purpose aviation products	1958-9	A7
176		Gor'kii (?), now Nizhnii Novgorod		ARMOUR	NKTankProm (1941)	armoured vehicle bodies	1941-5	D39 (5/12/41, 19/9/45)
177		Gor'kii, now Nizhnii Novgorod		ARMOUR	NKTankProm (1942)	tank products (?)	1942	C32 (p. 234) D39 (4/6/42)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
178	im. Stalina	Chelyabinsk	KB	ARMOUR	NKTProm (1941)	former tractor plant, made tank parts from 1941; built armoured vehicles after the war as ChTZ	1941-72	C19 (pp. 71-7, 136-7) C32 (p. 234) C44 (53, p. 26)
179		Novosibirsk obl.		MUNS	NKB (1941)	major munitions combine	1941	F2 C33 (p. 168)
181		Leningrad, now St Petersburg	filial, Feodosiya	SHIP	NKSP (1942)	evacuated 1941, part to z-d 231 (Ural'sk), part to z-d 337 (Kuibyshev)	1942	D39 (18/6/42) C32 (p. 227)
181	filial	Feodosiya		SHIP	NKSP (1942)	evacuated 1941 to z-d 182	1941	E1 C32 (p. 228)
182		Makhachkala, Dagestan ASSR		SHIP	NKSP (1941)	shipyard, filial of z-d 231; absorbed evacuated z-d 175 and filial of z-d 181 from Feodosiya in 1941; itself evacuated, part to Petrolova'sk, part to Ulan Ude: later reopened and acquired German specialists 1946	1941-6	C36 (pp. 90-1) E1 C32 (p. 228)
183	Khar'kovskii Parovozostroitel'nyi (KhPZ) im. Komintern	Khar'kov	SKB	ARMOUR	NKTProm (1941)	tanks incl. BT, T-34: evacuated Nizhnii Tagil' 1941; site reopened Khar'kov 1951 as z-d 75	1940-1	C49 C44 (53, p. 28) D35 (N1/98, p. 39) C2 (p. 8)
183	Uralvagonz-d (UVZ)	Nizhnii Tagil'	KB	ARMOUR	NKTProm (1941)	tanks, evacuated 1941 from Khar'kov and 'z-d im. Il'icha' (Maryupol')	1941-5	C49 C33 (p. 163)
184				MUNS	NKB (1942)		1942	D39 (21/1/42)
185	im. Kirova	Leningrad, now St Petersburg		ARMOUR	NKTProm (1941)	tanks, sometimes identified as the 'Leningradskii Kirovskii z-d' (LKZ); evacuated Chelyabinsk 1941	1941	C44 C49 D35 (N1/98, p. 18) C19 (p. 196) D6 (N7-8/98, p. 22)
185		Kisel (Perm' obl.)		ARMOUR	NKStankProm (1943)	tank components (equipment evacuated from Kiev)	1943	D20 (21/1/43)
187				MUNS	NKB (1942)		1942	D39 (22/1/42)
188				ARMS	NKV (1942)		1942	D39 (5/6/42)
189	im. Ordzhonikidze	Leningrad, now St Petersburg	SKB	SHIP	NKTP (1934), NKOP (1936), NKSP (1940), GKVT (1958)	shipyard, formerly 'Baltiiskii z-d'; evacuated 1941 to z-dy 112, 199, 239, 263, 340, 344, 347, 402, 638, and 640; reopened c.1944 and built marine boilers in 1958: now AO 'Baltiiskii z-d'	1934-97	A3 A4 A7 D17 C6 E1 C32 (p. 227)
190	im. Zhdanova	Leningrad, now St Petersburg		SHIP	NKOP (1936), NKSP (1940)	former 'Putilov' shipyard opened 1911, renamed 'Northern' 1918; evacuated 1941 to z-d 264 and Ural'skii Traktorny z-d (UTZ, Sverdlovsk); now AO 'Severnaya ver'	1936-92	A4 D17 D46 (N2/97) G1 D32 (N11/92, p. 51) E1 C32 (p. 227)
191				SHIP	NKSP (1940)	shipyard	1940-1	D17
191		Moscow		ELEC	NKEP (1941-5)	radio and electrical equipment	1941-5	B3 D17 D39 (12/10/46)
192		Moscow		SHIP	NKSP (1941-3)	instruments; absorbed part of evacuated z-d 194 in 1941, then itself evacuated to Stalingrad and Stalinsk	1941-3	D17 D39 (22/12/42, 4/8/43) E1 C32 (pp. 227-8)
193				ELEC	NKEP (1942)		1942	D39 (9/7/42)
194	im. A. Marti	Leningrad, now St Petersburg		SHIP	NKTP (1934), NKOP (1936), NKSP (1940)	shipyard, former 'Admiralteiskii z-d'; evacuated 1941 to z-dy 192, 199, 202, 239, 340, 344, 347, 402, 638, 645, and 639; now GP 'Admiralteiskie Verfi'	1940-95	A3 A4 D17 G1 D21 (N2/90, p. 192) C6 H1 (vol. 3) E1 C32 (pp. 103, 204, 227)
195		Leningrad, now St Petersburg	NII	ELEC	NKSP (1941), GKVT (1958)	naval equipment, by 1958 long range radio nav aids	1941-59	A7 D17 D39 (15/5/42)
196	Sudomekh	Leningrad, now St Petersburg	TsKB-18	SHIP	NKOP (1936), NKSP (1941), GKVT (1958)	submarine shipyard; evacuated 1941 to z-dy 340, 344, 402, and 639; reopened after the war	1936-95	A4 A7 D17 C29 (p. 64) E1 C32 (pp. 105, 227, 232)
197		Gor'kii, now Nizhnii Novgorod	OKB	ELEC	NKEP (1942)	electrical equipment factory	1942	B1 D39 (28/5/42)
198	im. A. Marti	Nikolaev		SHIP	NKSP (1941)	shipyard, also known as 'Yuzhnaya ver'; evacuated to z-d 638 in 1941; renumbered z-d 444 on reopening after the war	1941	D29 (N5-6/94, p. 91) D45 (N5-6/95, p. 49) C6 E1 C32 (p. 228)
199	im. Leninskogo Komsomola; also Neukrotimyi	Komsomol'sk na Amure		SHIP	NKOP (1936), NKSP (1941)	shipyard; absorbed parts of evacuated z-dy 103, 189, and 194 in 1941 and part of z-d 638 in 1942; submarines after the war; now AO 'Amurskii Sudostroitel'nyi z-d'	1936-95	A4 D17 G1 E1 C32 (pp. 227-8, 244-5)
200	im. Ordzhonikidze	Nikolaev		SHIP	NKSP (1941)	formerly 'RUSSUD' and 'z-d im 61 Kommunar'; also called 'Severnaya' (Northern) shipyard; evacuated 1941 to z-d 638; renumbered z-d 445 on reopening after the war	1941	D45 (N5-6/95, p. 49) C6 C35 (p. 103) E1 C32 (pp. 215, 227)
200	Chelyabinskii z-d transportnogo mashinostroeniya	Chelyabinsk		ARMOUR	NKTProm (1945)	armour for artillery and tanks	1945	D39 (19/9/45) D19 (N5/93, p. 110)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
201	Morskoi z-d im. Ordzhonikidze	Sevastopol'		SHIP	NKTP (1934), NKOP (1936), NKSP (1941)	shipyard, evacuated 1941, part to z-d 638, part to Tuapse, Poti, Batumi, retaining number	1934-41	D39 (18/6/42) D50 (N12/77, p. 36) E1 C32 (p. 228)
201		Tuapse		SHIP	NKSP (1941)	shipyard, evacuated 1941 from Sevastopol'	1941	E1 C32 (p. 228)
202	im. Voroshilova	Vladivostok		SHIP	NKTP (1934), NKOP (1936), NKSP (1941)	shipyard, escort vessels: received part of evacuated z-d 194 in 1941; now VAO 'Dal'zavod'	1936-41	A3 A4 C32 (p. 227) F2 E1
203		Moscow		ELEC	NKEP (1944)	radios for tanks and aircraft; evacuated Sarapul 1941	1940-1	B3 C33 (p. 145) D39 (9/7/42)
204				MUNS	NKB (1942)		1942	D39 (21/1/42)
205		Leningrad, now St Petersburg		SHIP	NKSP (1941)	shipyard; evacuated 1941 to Moscow	1941	E1
205		Moscow		SHIP	NKSP (1942)	naval instruments, evacuated 1941 to Saratov	1941-2	D39 (1/12/42) E1 C32 (p. 228)
206	z-d gidroakusticheskoi apparatury	Leningrad, now St Petersburg		SHIP	NKSP (1941)	naval acoustic instruments, evacuated 1941 to Omsk	1942	D39 (2/12/42) E1 C32 (pp. 226-7)
206		Omsk		SHIP	NKSP (1941)	naval acoustic instruments, evacuated 1941 from Leningrad, absorbing local agricultural equipment plant	1942	E1 C32 (pp. 226-7)
207	Dolgoprudnyi (Vodniki, Moscow obl.)		OKB	AERO	NKOP (1936), NKAP (1941), MAP (1951)	dirigibles (formerly of Dirizhablestroï Trest), then aircraft; evacuated 1941 to Kuibyshev, later reopened as repair plant; also fuel bowzers and armoured cockpits	1936-53	F2 A4 B3 D26 (N5/97) C1 D16 (N5/94)
207	Kuibyshev, now Samara			AERO	NKAP (1942)	evacuated from Moscow, 'agregatnyi z-d': armour for Il-2 cockpit	1945	D39 (4/7/45) C20 (pp. 75-6)
208		Novosibirsk	NII	ELEC	NKEP (1942), GKVT (1958)	postwar radar equipment	1942-58	A7 B3 D39 (22/12/42)
209		Leningrad, now St Petersburg		SHIP	NKSP (1941)	evacuated 1941, part to z-d 703, part to Sverdlovsk	1942	D39 (13/1/42) E1 C32 (p. 227)
209		Sverdlovsk, now Ekaterinburg		SHIP	NKSP (1941)	evacuated from Leningrad	1941	C32 (p. 226)
210		Leningrad, now St Petersburg		ELEC	NKEP (1942)		1941-4	B3 D39 (19/5/42, 22/12/42)
211		Leningrad, now St Petersburg		ELEC	NKEP (1942)		1942	D39 (19/5/42)
211		Rybinsk		ELEC	NKEP (1944)	electrical equipment for aviation	1944	B3
212		Leningrad, now St Petersburg		SHIP	NKSP (1941)	shipyard, evacuated 1941, part to z-d 706, part to Sverdlovsk (remaining staff made tank parts during blockade)	1941-5	D17 D39 (13/1/42, 18/6/42) E1 C32 (p. 227)
213	Aviapribor	Moscow (Kutuzovsk)		AERO	NKOP (1936), NKAP (1941)	aircraft instruments, evacuated to Engel's 8/41	1936-41	A4 C8
213	Aviapribor	Engel's	OKB	AERO	NKAP (1941), MAP (1948)	evacuated from Moscow 8/41	1941-8	C8 D39 (20/9/45) D21 (N6/90, p. 209)
214	Metron	Moscow		AERO	NKOP (1936), NKAP (1941)	aircraft instruments, evacuated 1941 to Sverdlovsk	1936-41	A4 C8
214	Metron	Sverdlovsk, now Ekaterinburg		AERO	NKAP (1942-4)	evacuated 1941 from Moscow	1942-4	B3 D39 (8/6/42)
215		Kiev		SHIP	NKSP (1941)	naval instruments, evacuated Gor'kii 1941	1941	F2 E1 C32 (p. 228)
217		Leningrad, now St Petersburg		MUNS	NKV (1941)	optical instruments, evacuated Sverdlovsk 1941	1941	C1
217		Sverdlovsk, now Ekaterinburg		MUNS	NKV (1942-4)	evacuated from Leningrad 1941	1942-4	B3 D39 (19/2/42)
218	Pirometr	Leningrad, now St Petersburg		AERO	NKOP (1936), NKAP (1941), MAP (1948)	aircraft instruments, evacuated to Kazan' 1941, reopened by 1944	1936-48	A4 C8 B3 C1 D21 (N6/90, p. 209)
219	Nezavisimiyi	Moscow (Balashikha)		AERO	NKOP (1936), NKAP (1944)	aircraft components, renumbered from z-d 120	1937-44	B3 C1
220				ELEC	NKEP (1942)	communications equipment	1942	D39 (9/8/42)
221	Barrikady	Stalingrad, now Volgograd	OKB	ARMS	VSNTKh (1929), NKTP (1934), NKOP (1936), NKV (1941)	artillery, with steel plant and rolling mill, named 'Barrikady' 1927; now GPO 'Barrikady' (also makes ICBM transporters)	1929-95	A1 A3 A4 D29 (N4/97, pp. 46-48) C33 (p. 159) D39 (19/1/42)
222				MUNS	NKB (1942)		1942	D39 (1/12/42)
224	Metpribor	Leningrad, now St Petersburg	OKB	AERO	NKOP (1936), NKAP (1944), MAP (1948), GKVT (1958)	aircraft instruments, evacuated 1941; reopened by 1944	1936-58	A4 A7 B3 C1 A6

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
227				FUEL	NKNeft (1941-5)		1941-5	D48 (19(518), 1948)
228				FUEL	NKNeft (1941-5)		1941-5	D48 (21(520), 1948)
229				FUEL	NKNeft (1941-5)		1941-5	D39 (9/5/48)
230	Elektropribor	Moscow (Gruzinyi)		AERO	NKOP (1936), NKAP (1941)	aircraft instruments, formerly 'Tizpribor', evacuated 8/41 to Kazan'	1936-41	A4 C8 (vol.1, p. 428)
230		Kazan'	OKB	AERO	NKAP (1944), GKVT (1958)	evacuated from Moscow 8/41	1941-59	A7 C8 D39 (20/5/44)
231	Opytnyi	Leningrad, now St Petersburg		SHIP	NKSP (1941)	mines and torpedoes, evacuated 1941 to Ural'sk	1941	E1 C32 (p. 227)
231		Ural'sk		SHIP	NKSP (1941)	evacuated 1941 from Leningrad; absorbed parts of evacuated z-dy 103 and 181	1941	E1 C32 (p. 227)
232	Bolshevik	Leningrad, now St Petersburg		ARMS	NKV (1941)	guns and tank parts, with steel plant and rolling mill; renumbered from z-d 48 in 1935; now GP 'Obukhovskii z-d'	1935-41	C49 D45 (N5-6/95, p. 43) C32 (p. 138) C33 (p. 159)
233					NKEP (1941)			C32 (p. 226) C47 (p. 309)
233		Moscow obl.		ARMS	NKV (1946)	acquired German specialists 1946	1946	C36 (pp. 90-1)
234		Leningrad, now St Petersburg		AERO	NKAP (1940)	aeroengines from 6/39; evacuated to Ufa 1941	1939-41	C8 C1 D21 (N6/90, p. 209)
235		Kiev		ARMS	NKV (1941)	Kiev Arsenal evacuated Votkinsk 1941	1941	C11
235	Votkinskii Mashinostroitel'nyi	Votkinsk		ARMS	NKOP (1937), NKV (1941)	artillery with steel plant and rolling mill, former Arsenal given this number in 1937; in 1941 acquired evacuated Kiev Arsenal; after war, ICBMs: now GP 'Votkinskii z-d'	c. 1942	F2 B7 C33 (p. 159) D34 (N3/97, p. 91)
236				ELEC	NKEP (1942)	tank and aircraft batteries	1942	D39 (9/8/42)
236		Saratov		AERO	NKAP (1944)		1944	B3
237	Gos. Opt.-mekh. z-d (GOMZ) im. OGPU	Leningrad, now St Petersburg		MUNS	NKV (1942)	formed 1914; optical equipment; evacuated Kazan' 1941; reopened from 1944; now AO 'Lomo'	1914-97	F2 D29 (N3-4/97)
238	Tochizmeritel'	Moscow		AERO	NKOP (1936)	aircraft instruments	1936-42	A4 C8
238		Kuibyshev, now Samara		SHIP	NKSP (1942)	minesweepers, evacuated from Feodosiya ship repair yard and opened on site of agricultural machinery repair plant	1942	E1 C32 (p. 226)
239				SHIP	NKSP (1941)	evacuated 1941 to Petropavlovsk; z-d 709 established on this site 5/42	1941	E1 C32 (pp. 226-8)
239		Petropavlovsk		SHIP	NKSP (1941-5)	evacuated 1941 from Moscow and absorbed parts of evacuate z-dy 189, 194, 345, and 375	1941-5	C35 (p. 131) D48 (79(406), 1945) E1 C32 (pp. 227-8)
240		Moscow	OKB	AERO	NKAP (1940), GKVT (1958)	experimental aircraft factory, formerly GVF repair plant; Ilyushin OKB evacuated 10/41; aircraft repairs until return of OKB 4/42; absorbed z-d 482 1946; now AO 'Aviatsionnyi kompleks im. S.V. Ilyushina'	1940-94	A7 C8 C41 F1 A6
241		Bykovo		AERO	NKAP (1942)	former GVF repair plant opened 11/1931; numbered c. 1940, evacuated 10/41 Tyumin, built assault gliders; reopened 1942 as GVF repair plant no. 402	1940-2	B3 C1 F4 F4
242		Khar'kov		AERO	NKAP (1940)	former GVF repair plant, evacuated Ulan Ude 1941	c. 1940	C1
242		Ulan Ude		AERO	NKAP (1944)	evacuated repair plant	1944	B3
243		Tashkent		AERO	NKAP (1940)	former GVF repair plant, now 'Tashkentskii z-d no. 243'	c. 1940-97	B3 C1 D29 (N1/97) D16
244				AERO		former GVF repair plant	c. 1940	F4 D16
245		Kiev		AERO	NKAP (1940)	former GVF repair plant	c. 1940	C1
247				MUNS	NKB (1945)		1945	D48 (78(405), 1945)
248				MUNS	NKB (1945)		1945	D48 (78(405), 1945)
249				SHIP	NKSP (1941)	built trawlers	1941	C32 (p. 224)
249				FUEL	NKNeft (1944)		1944	D39 (16/2/44)
250		Voronezh	OKB	AERO	NKAP (1940)	former GVF repair plant (?); converted to aircraft from 1940; evacuated Ufa 10/41	1940-1	C41
250		Ufa	OKB	AERO	GKVT (1958)	evacuated from Voronezh 10/41	1941	C41
251		Moscow		SHIP	NKSP (1941)	naval instruments, evacuated 1941 to Stalinsk; z-d 706 established on this site 5/42	1941-4	D39 (16/4/44) E1 C32 (pp. 224, 226, 228)
252		Moscow		SHIP	NKSP (1941)	evacuated to Serpukhov 1941; z-d 703 established on this site 5/42	1941	C32 (p. 226)
252		Serpukhov		SHIP	NKSP (1942)		1942	D39 (29/11/42) E1 C32 (p. 187)
253		Khar'kov		SHIP	NKSP (1941)		1941-5	C37 (p. 205) C32 (p. 224)
254				MUNS	NKB (1945)		1945	D39 (28/9/45)
255		Chelyabinsk		ARMOUR	NKTankProm (1943)	electrical equipment for tanks	1943	D20 (21/1/43)
256		Kimry (Savelovo)	OKB	AERO	NKAP (1941), MAP (1946), GKVT (1958)	aircraft and gliders, evacuated 1941, then reopened: Tsybin OKB formed here in 5/55	1940-59	A7 D26 (N1/93, N9/93)
257				MUNS	NKB (1942)		1942	D39 (22/1/42)
258				MUNS	NKB (1942)		1942	D39 (2/12/42)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
259	im. Lenina			MUNS	NKB (1942-3)		1942-3	D39 (22/1/42, 13/3/43)
260	Vladimirskii Gramafoniyi	Vladimir		MUNS	NKB (1939)	fuses, opened or converted 7/39; evacuated Perm' 1941	1939-41	D29 (N11/96, pp. 116-17)
260	Mashinostroitel'nyi z-d im. Oktyabr'skoi revolyutsii	Perm'		MUNS	NKB (1941)	evacuated from Vladimir 1941 to site of existing factory opened 7/39; now AO 'Velta'	1941-96	D29 (N11/96, pp. 116-17) D39 (22/1/42)
261		Berezhovskoi		AERO	NKAP (1944)	undercarriages	1944	B3
263		Sovetskaya Gavan'		SHIP	NKSP (1941)	former NKVMF ship repair yard no. 1; absorbed part of evacuated z-d 189 in 1941; now 'Sovgavanskii sudoremontnyi z-d'	1941	E1 C32 (pp. 227, 244)
264		Stalingrad, now Volgograd (Sarapta)		SHIP	NKSP (1941), NKTankProm (1942)	shipyard; absorbed part of z-d 190 evacuated 1941 from Leningrad; T-60 tanks 1941-2, welded armour for T-34 production at Stalingradskii Traktorny z-d (STZ) before evacuation to Krasnoarmeiskaya verf'	1940-2	D17 C33 (p. 164) D39 (9/2/42, 8/6/42) C2 (p. 10)
264	Krasnoarmeiskaya verf'	Krasnoarmeisk (Saratov obl.)		SHIP, later ARMOUR	NKSP (1941), NKTankProm (1942)	shipyard, repaired armoured launches; also built T-60 tanks	1941-2	C2 (p. 10) E1 C32 (pp. 227, 232, 243-4)
265		Voronezh		AERO	NKAP (1943), MAP (1946)	aeroengines, opened 1943 on site of evacuated z-d 16; KB-Bakanova on site but separate organisation; acquired resources from Nordwerke, 1946; now 'Voronezhskii Mekhanicheskii z-d'	1943-6	C8 C36 (pp. 90-1) H3 (p. 215)
266		Kulomzino (Omsk)	KB	AERO	NKAP (1941-2)		1941-2	C16 D39 (4/6/42)
266		Kirov		ARMS	GKVT (1958)	small arms, filial z-da 476	1958-9	A7
267				SHIP	NKSP (1941)		1941	C32 (p. 224)
268		Kamensk-Ural'sk		AERO	NKAP (1944)	semi-manufactures with aluminium plant, now AO 'Kamensk-Ural'skii Metallurgicheskii z-d'	1944	F2 B3
270	Voroshilovgradskii Patronnyi	Voroshilovgrad		ARMS	NKV (1945)	established 1795	1945	D39 (26/11/45)
270		Leningrad, now St Petersburg		SHIP	NKSP (1939)	shipyard	1939	E1
272		Leningrad, now St Petersburg		AERO	NKAP (1941), GKVT (1958)	aircraft factory, evacuated 1941 to Kazan', reopened as filial z-da 115; missiles from 1961	1941-59	A7 D43 (N3-4/97, p. 30) C17 F1
272		Kazan'		AERO	NKAP (1941)	evacuated from Leningrad 1941; trainers	1941	C17
273		Leningrad, now St Petersburg		AERO	NKAP (1944)		1944	B3
274		Leningrad, now St Petersburg		AERO	MAP (1946)	acquired Daimler-Benz engineers 1946	1946	C36 (pp. 90-1)
275		Leningrad, now St Petersburg	OKB	AERO	GKVT (1958)	radio nav aids	1958-9	A7
276	Krasnaya Glinka	Kuibyshev, now Samara	OKB	AERO	MAP (1946), GKVT (1958)	turbojets, later turboprops; now 'Samarskoe Gos. NPP "Trud"'	1946-94	A7 C41 D10 (N9/92, p. 34)
278		Leningrad, now St Petersburg		OTHER			1942	D39 (13/1/42)
279		Moscow (Balashikha)	OKB	AERO	NKAP (1941), MAP (1948), GKVT (1958)	aircraft components, evacuated Izhevsk 1941, later reopened and hydraulic equipment by 1958	1941-59	A7 C8 A6 A5
279		Izhevsk		AERO	NKAP (1944)	instruments	1941-4	C8 B3
280	opytnyi	Ramenskoe	OKB-149	AERO	GKVT (1958)	aircraft instruments, formed 1939; now AO 'Ramenskii Priborostroitel'nyi z-d' (?)	1958-9	A7 C5 (p. 295)
283	Leninets	Leningrad, now St Petersburg	OKB	AERO	MAP (1946-8)	radar; acquired resources from Wernig Werke 1946	1946-8	D26 (N9/98, p. 14) C36 (pp. 90-1) A6
286		Kamensk-Ural'sk		AERO	NKAP (1944)	aviation products	1944	F2 B3 C16 (p. 31)
287		Leningrad, now St Petersburg	OKB	AERO	MAP (1946)	acquired German resources 1946	1946	C36 (pp. 90-1)
288		Kimry (Savelovo)	OKB	AERO	NKAP (1941)	formerly z-d 30 of machine-tool industry, renumbered and converted to aircraft 1941; evacuated to z-d 166, Omsk, 1941	1941	C23
288		Dubna		AERO		aircraft; now 'Dubnenskii Mashinostroitel'nyi z-d'		D1 (N5/96)
290		Lyubertsy	OKB	AERO	NKAP (1940), MAP (1946)	helicopters; evacuated Bilimbai 1941; site reopened 1954 as z-d 918	1940-54	C41
291		Moscow		AERO	NKAP (1944)	aviation products	1944	B3
292		Saratov		AERO	NKOP (1938), NKAP (1941), MAP (1946), GKVT (1958)	former farm machinery plant, converted 2/38 to fighters, helicopters, airliners; filial z-da 115; now AO 'Saratovskii Aviatsonnyi z-d'	1938-94	F2 A7 C8 C41
293		Moscow (Khimki)	OKB-2, OKB-4	AERO	NKAP (1939), MAP (1946-8)	experimental factory built c. 1939, housing several OKBs; evacuated Bilimbai 10/41; by 1945 reopened in Khimki as filial NII-1; rocket aircraft, later guided missiles and ramjets	1939-94	C9 (pp. 21, 247) C41 D5 (N10/94) D26 (N11/93, N10/95) F2

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
295		Kuibyshev, now Samara		AERO	NKAP (1941)	absorbed before opening by evacuated z-d 18	1941	C41
296		Khar'kov		AERO	NKAP (1941)	aircraft components, evacuated 1941	c. 1941	F2
296		Berds (Novosibirsk obl.)		AERO	NKAP (1944)	aviation products	1944	F2 B3
297		Marii (ASSR)		ELEC		optical equipment		F2
298	Prozhektorni	Moscow		ELEC	NKEP (1941)	optical equipment, evacuated Marii 1941	c. 1941	F2
298	z-d elektropriborov	Marii (ASSR)		ELEC	NKEP (1941)	evacuated from Moscow 1941	c. 1941	F2
300	Leninskaya kuznitsa	Kiev		SHIP	NKSP (1941)	evacuated 1941 to z-d 340; site rebuilt and reopened as z-d 302 after liberation	1941	C33 (p. 164) E1 C32 (pp. 228, 233, 243)
300		Moscow	OKB	AERO	NKAP (1943), MAP (1946-8), GKVT (1958)	aeroengines, opened 1/43; housed Mikulin OKB; acquired resources from Mitteldeutschemotorenwerke 1946; now AO 'Moskovskii Aviamotorni Nauchno-tekhnicheskii kompleks (AMNTK) "Soyuz"	1943-94	F2 A7 C41 D26 (N2-3/92, pp. 13 14) C36 (pp. 90-1) H3 A6
301		Moscow (Khimki)	OKB	AERO	NKOP (1937), NKAP (1941), MAP (1946-8), GKVT (1958)	fighters and trainers, converted 6/37; evacuated 10/41 to z-d 153 Novosibirsk; site used for repairs and assembly; Lavochkin OKB returned 10/45; acquired resources from Arado 1946; later missiles and space products, now 'NPO im. S.A.Lavochkina'	1937-59	F2 A7 C41 C36 (pp. 90-1) C16 H3 (p. 174) A6
302	Leninskaya kuznitsa	Kiev		SHIP	NKSP (1944), MSP (1945)	shipyard, opened on site of former z-d 300, rebuilt on basis of re-evacuated z-d 340	1944-5	E1 C32 (p. 243)
304	Kuntsevskii radiolokatsionnyi	Moscow (Kuntsevo)		ELEC		built TsRN for B-200 rocket	1952	D35 (N2/97, p. 29)
305		Moscow		AERO	NKAP (1944)	aircraft parts, built 1937, evacuated 10/41 to Kuibyshev	1937-44	B3 F4
306		Saratov	OKB	AERO, SHIP (?)	NKAP (1939), MAP (1946-8), GKVT (1958)	transferred from NKsredmash to NKAP in 1939; built magnetos and spark-plugs; reported to be building naval vessels 1941; acquired resources from Bosch 1946	1944-58	F2 A7 B3 C36 (pp. 90-1) F1 F4 C32 (p. 233) A6
307		Rzhev		AERO	NKAP (1941)	engine washer plant: evacuated to Saratov 10/41 and absorbed by z-d 306	1941	F4
309				MUNS	NKB (1941)		c. 1941	F2
310		Kandalaksha		SHIP	NKSP (1941)	evacuated 1941 to z-d 342	1941	E1 C32 (p. 228)
311		Moscow	NII	MUNS	NKB (1941)		c. 1941	D39 (2/12/42)
311		Moscow	NII	ELEC	GKVT (1958)	transistorised instruments	1958-9	A7
314		Mednogorsk		ARMS	NKV (1941)		c. 1941	F2
315		Moscow	OKB	AERO	NKAP (1942), MAP (1946-8)	aeroengine accessories from 1942; acquired resources from Bosch 1946, and OKB by 1948; later, rocket motor components	1942-8	C36 (pp. 90-1) F4 A6
319				MUNS	NKB (1941)		c. 1941	F2
320		Chuvash obl.		MUNS	NKB (1941)		c. 1941	F2
322				MUNS	NKB (1941)		c. 1941	F2
324				MUNS	NKB (1941)		c. 1941	F2
324		Kirovo-Chepetsk (Kirov obl.)		AERO	NKAP (1941)	opened 1941; avionics factory	1941	F4
325				MUNS	NKB (1941)	major munitions combine	1941	F2 C33 (p. 168)
326	im. Frunze	Gor'kii, now Nizhni Novgorod	NII-11	AERO	NKAP (1939)	experimental avionics plant opened 1939	1939	F2 F4
327		Leningrad, now St Petersburg		ELEC	NKAP (1941)	experimental avionics plant formed 1939 with NII-33; evacuated 1941 to ?; by 1958 NII-33 was in Moscow	1939-41	F2 F4
328		Vladimir		AERO	NKAP (1939)	avionics, numbered from 1939; evacuated 1941 and absorbed by z-d 287	1939-41	F4
328		Nikolaev		AERO		aircraft repairs	1998	D53 (vol. 33, p. 103)
329		Komsomol'sk na Amure		AERO	NKAP (1939)	avionics plant	1939	F4
329		Moscow	OKB	AERO	MAP (1951), GKVT (1958)	renumbered from z-d 3 when Mil helicopters moved here 1951; now AO 'Moskovskii Vertoletnyi z-d im. M.L. Milya'	1951-70	A7 D7 (N9-10/97, p. 32)
330				ARMS	NKOP (1936)	optical equipment, under construction 1936	1936	F2
330		Ryazan'		ELEC	NKEP (1941)	numbered from 1939; communications equipment for aircraft and tanks	1939	D39 (8/6/42) F2 F4
331		Murom		ELEC	NKAP (1941)	numbered from 1939; radios	1939	F4
332		Khar'kov		ELEC	NKAP (1941)	numbered from 1939; radios	1939	F4
333		Komsomol'sk na Amure		ELEC	NKAP (1941)	numbered from 1939; radios	1939	F4
334		Irkutsk		AERO	NKAP (1939)	aeroengine plant; building started 1939	1939	F4
337		Boi'shoi Tokmak		SHIP	NKSP (1939)	shipyard on Molochnaya river	1939	E1
337		Kuibyshev, now Samara		AERO, later SHIP	NKAP (1939), NKSP (1941)	aeroengines, built 1939 but absorbed 10/41 by evacuated z-d 24, together with part of z-d 181 of NKSP	1939-41	F2 F4 E1 C32 (p. 227)
339		Moscow	OKB	AERO	NKAP (1942), MAP (1996)	first Soviet radar plant, opened 1942 on site of evacuated z-d 230; now NPK 'Fazotron'	1942-96	D1 (N4/97)
340	im. Gor'kogo	Zelenodol'sk		SHIP	NKSP (1941), MSP (1945)	ship repair yard, formerly 'Krasnyi Metallist'; numbered from 9/39; absorbed parts of evacuated z-dy 189, 194, 196, and 300 in 1941; now 'SSZ im. A.M. Gor'kogo'	1941-95	F2 H1 (vol. 3) E1 C32 (p. 227)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
341	Rybinskii katernyi z-d im. Volodarskogo	Rybinsk		SHIP	NKSP (1941), MSP (1945)	shipyard, opened 7/30, numbered from 9/39; evacuated 1941 to z-dy 344 and 639; reopened c. 1943 for small naval vessels; now AO 'Vympef'	1941-5	F2 E1 C32 (pp. 228, 238-9)
342		Mordovshchiki (renamed Navashino 1958)		SHIP	NKSP (1941), MSP (1945)	barges, numbered from 9/39; absorbed evacuated z-d 310 in 1941; now 'Navashinskii sudostroitel'nyi z-d "Oka"	1941-96	F2 E1 C32 (pp. 228, 239-40)
343		Gorokhovetsk (Vladimir obl.)		SHIP	NKSP (1941), MSP (1945)	small naval vessels, numbered from 9/39	1941-6	F2 E1 C32 (pp. 17, 225, 240-1)
344	Permskii sudostroitel'nyi	Molotov, now Perm'		SHIP	NKSP (1941), MSP (1945)	shipyard, formerly of NKRechFlot, opened 1931, numbered from 8/41; absorbed part of evacuated z-dy 189, 194, 196, 341, 532, and 638 in 1941, and part of z-d 638 in 1942; built armoured launches; now 'Permskii Sudostroitel'nyi z-d "Kama"	1941-96	F2 E1 C32 (pp. 11, 227-8, 240-1)
345	Yaroslavskaya molotno-sudostroitel'naya verf'	Yaroslavl'		SHIP	NKSP (1941), MSP (1945)	small naval vessels, opened 1920, numbered from 9/39; absorbed some equipment from z-d 5 in 1941; evacuated to z-dy 239 and 640 in 1941, rebuilt 1942-3	1941-6	F2 E1 C32 (pp. 17, 225, 228, 241-2)
346				FUEL	NKNeft (1941)		c. 1941	F2
347	im. Molotova	Petropavlovsk (Kazakhstan)		SHIP	NKSP (1939)	mines and torpedoes; building started 1939 for filial of z-d 231; absorbed evacuated z-dy 189 and 194 in 1941	1939-41	F2 E1 C32 (p. 227)
349		Leningrad obl.		ARMS	MV (1946)	formed 1919 later GOZ-95; part was evacuated to Kazan 1941; acquired German specialists 1946; now LOMO St Petersburg	1919-97	C36 (pp. 90-1) F4
350				ARMS	NKV (1941)	optical equipment	c. 1941	F2
353		Khar'kov obl.		ARMS	NKV (1946)	1946 acquired German armaments specialists	1946	C36 (pp. 90-1)
354				ARMS	NKV (1941)	optical glass	c. 1941	F2
355		Moscow obl.		ARMS	NKV (1946)	optical equipment; acquired German specialists 1946	1946	C36 (pp. 90-1)
356				ARMS	NKV (1941)		c. 1941	F2
357		Omsk		ARMS	NKV (1941)	optical equipment during war; later, AA artillery (?)	1941	F2 D46 (N11/96, p. 129)
358		Vladimir		AERO	NKAP (1939)	avionics, numbered from 1939; evacuated in 1941 and absorbed by z-d 287	1939-41	F4
358				MUNS	NKB (1941)		c. 1941	F2
359				MUNS	NKB (1941)		c. 1941	F2
363	Ust'-Izhorskaya verf'	Ust'-Izhora (Leningrad obl.)		SHIP	NKSP (1941)	evacuated 1941 to z-dy 402, 639, and 631; reopened after the war as 'Ust'-Izhorskaya sudostroitel'naya verf' Izhorskovo z-da'	1941	F2 E1 C32 (pp. 91, 194, 214, 228)
366		Tula		ARMS	NKV (1941)	machine-gun shop of Tula Arsenal, designated z-d 366 in 7/39; evacuated 1941, reopened 1942 for small arms	1939-86	D17
367	Molot	Vyatskie Polyany (Kirov obl.)		ARMS	NKV (1941)	opened 1941 acquiring small-arms factory evacuated from Zagorsk; now AO 'Vyatsko-Polyanskii Mashinostraotel'nyi z-d "Molot"	1941-97	D13 (N3/97, pp. 150-1)
368	im. Kirova	Khabarovsk		SHIP	NKSP (1941)	shipyard; built monitors in the war	1941-3	E1 C32 (pp. 231, 247)
369	Sretenskaya sudostroitel'naya verf'	Sretensk		SHIP	NKSP (1941)	absorbed part of evacuated z-d 638 in 1942; now AO 'Sretenskii sudostroitel'nyi z-d'	1942	E1 C32 (p. 228)
370	Petrozavod	Leningrad, now St Petersburg	KB	SHIP	NKSP (1941)	evacuated to z-dy 402, 646, and 661 in 1941	1941	F2 E1 C32 (pp. 90, 211, 228)
371	Metallicheskii z-d im. Stalina	Leningrad, now St Petersburg		OTHER				D45 (N5-6/95, p. 43)
372		Penza		AERO	NKAP (1944)	semi-manufactured goods	1944	B3
374		Kazan'		AERO	NKAP (1941)	filial of this plant on same site became z-d 708 of NKSP in 1942	1941	C32 (p. 226) F4
375		Petrozavodsk		SHIP	NKSP (1941)	evacuated to z-d 239 in 1941	1941	C32 (p. 228) E1
376				MUNS	NKKhimprom			D39 (15/7/44)
377		Nonokievsk (Vladivostok obl.)		AERO	NKAP (1939)	avionics repair plant opened 1939	1939	F4
379		Leningrad, now St Petersburg	OKB	AERO	NKAP (1939)	experimental and series avionics, autopilots, acquired 1939 by NKAP, evacuated 1941 to Kazan; OKB liquidated early 1942	1939-41	D43 (N1-2/97, pp. 2-9) D31 (N1/96) F4
379		Kamensk-Ural'sk	OKB	AERO	GKVT (1958)	aircraft instruments	1958-9	A7
380		Leningrad, now St Petersburg	NII	AERO	NKAP (1940), GKVT (1958)	converted to Il-2 aircraft 1940 but none built before evacuated to z-d 183 Nizhnii Tagil' 1941; plant later reopened, by 1958 telemetry equipment	1941-59	A7 C8 (vol. 2, p. 209) D21 (N6/90, p. 209)
381		Leningrad, now St Petersburg		AERO	NKAP (1940)	converted 1940 to aircraft, evacuated 5/41 Nizhnii Tagil'	1940-1	C8 (vol. 2, p. 209)
381		Nizhnii Tagil'		AERO	NKAP (1941)	evacuated from Leningrad 5/41, transferred to Moscow 2/43	1941-3	D26 (N9/90, p. 28) F4
381		Moscow (Khodynka)		AERO	NKAP (1943), MAP (1946)	transferred from Nizhnii Tagil' 2/43; fighters; acquired equipment from Heinkel (Rostock) 1946; absorbed by z-d 30 c. 1950	c. 1960	D26 (N9/90, p. 28) B7 C33 (p. 236) F4
382		Tartu (Estonia)		AERO	NKAP (1940)	avionics plant opened 1940; evacuated 1941 to Sverdlovsk and Vladimir	1940-1	F4

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
382	Tochizmeritel'	Moscow	OKB	AERO	NKAP (1941), MAP (1948), GKVT (1958)	aircraft instruments opened late 1941; on 1948 list as radar OKB; by 1958 transistor plant	1941-59	A7 C8 F4
383		Leningrad, now St Petersburg		AERO	NKAP (1940)	former SNK building plant converted 1941 to NKAP propeller and ski factory; evacuated 10/41 to Yoshkar-Ola	1940-1	F4
383		Moscow	OKB	AERO	NKAP (1944), MAP (1948), GKVT (1958)	noted 1944 as propeller factory; by 1958 OKB-383 for rocket items	1944-59	A7 B3 A6
384		Ufa		AERO	NKAP (1940)	formerly 'Ufinskii Motorny z-d' car engine plant, acquired 1940 by NKAP for M-105 aeroengines; absorbed evacuated z-dy 234 and 451, then itself absorbed by evacuated z-d 26	1940-1	B7 D21 (N6/90, p. 209) F4
385		Zlatoust'	SKB	ARMS	NKV (1939), GKVT (1958)	construction started 1939; small arms, later missiles; now PO 'Zlatoustnyi Mashinostroitel'nyi z-d'	1941-59	F2 A7 D29 (N1/96) F1 F4
386		Leningrad, now St Petersburg		AERO	NKAP (1940)	converted to aviation 1940, evacuated 1941	1940-1	F2 F4
387		Leningrad, now St Petersburg		AERO	NKAP (1940)	formerly z-d 4 'Karakozov' of Osoaviakhim, 1931 to 9/40, when converted to aircraft; evacuated Kazan' 1941	1940-1	F2 C41 D4 (N7-8/96, p. 76)
387		Kazan'		AERO	NKAP (1941), MAP (1946)	evacuated from Leningrad and absorbed z-d 169; Po-2 and from 1947 helicopters; now AO 'Kazanskii Vertoletnyi z-d' (KVZ)	1941-96	C41 D29 C5 (p. 308) D4 (N7-8/96, p. 76)
391				MUNS	NKB (1941)		c. 1941	F2
392				MUNS	NKB (1941)		c. 1941	F2
393		Khar'kov		ARMS	NKV (1941)	optical equipment	c. 1941	F2
393		Moscow obl.		ARMS	NKV (1946)	acquired German specialists 1946	1946	C36 (pp. 90-1)
394				ELEC	NKEP (1941)	communications equipment	c. 1941	F2
395				MUNS	NKKhimProm (1941)		c. 1941	F2
396		Kalinin		AERO	NKAP (1939)	civil glass factory acquired by NKAP in 1939	1939	F4
397				MUNS	NKKhimProm (1941)		c. 1941	F2
398				MUNS	NKB (1941)		c. 1941	F2
400		Khar'kov		AERO	NKAP (1940)	acquired by NKAP 1940 to build Pe-2s but evacuated 1941 before production started	1940-1	D10 (N5-6/98)
400		Moscow (Vnukovo)		AERO	NKAP (1939)	aircraft components and repairs; probably a GVF repair plant until 1962	1939	C7
401		Saratov	NII	ELEC	GKVT (1958)	thermionic valves	1958-9	A7
401		Novosibirsk		AERO	GKVT (1962)	former GVF repair plant numbered c. 1962	1971-3	D16
402	Severnyi zavod	Molotovsk (now Severodvinsk)		SHIP	NKSP (1939), MSP (1946), GKVT (1958)	shipyard, opened 1939 for large warships; absorbed parts of evacuated z-dy 189, 194, 196, 363, and 370 in 1941; nuclear submarines after the war; now PO 'Severnoe Mashinostroitel'noe predpriyatie'	1939-96	A7 D29 (N10/96) D25 (29/6/91) C6 E1 C32 (pp. 17, 227, 247-50)
402		Moscow (Bykovo)		AERO		former GVF repair plant numbered c. 1962	1973	D16
403				FUEL	NKNeft (1941)		c. 1941	F2
404		Sverdlovsk, now Ekaterinburg		AERO		former GVF repair plant opened 1939, numbered c. 1962; now AO 'PRAD'	1939-97	D29 (N6-7/97, p. 52) D16
405				FUEL	NKNeft (1941)		c. 1941	F2
405		Alma Ata		AERO		former GVF repair plant numbered c.1962	1970	D16
406				FUEL	NKNeft (1941)		c. 1941	F2
407		Minsk		AERO		former GVF repair plant opened 1953, numbered 1962; now GP 'Minskii Aviaremontnyi z-d' (MARZ)	1953-97	D29 (N3-4/97) D16 C42 D7 (N5-6/98, p. 54)
408				FUEL	NKNeft (1941)		c. 1941	F2
408				AERO		former GVF repair plant numbered c.1962	1971-2	D16
409		Dnepropetrovsk		AERO		former GVF repair plant numbered c.1962	1971	D16
410		Uzbekistan		FUEL	NKNeft (1941)		c. 1941	F2
410		Kiev		AERO		former GVF repair plant numbered c.1962; now 'Kievskii Aviaremontnyi z-d 410'	1971-97	D16 D7 (N10-11/97)
411				FUEL	NKNeft (1941)		c. 1941	F2
411		Mineral'nye Vody		AERO		former GVF repair plant numbered c.1962	1971	D16
412		Rostov na Donu		AERO		former GVF repair plant numbered c.1962	1941-71	F4 D16
413				FUEL	NKNeft (1941)		c. 1941	F2
416				FUEL	NKNeft (1941)		c. 1941	F2
416		Komsomol'sk na Amure		AERO		former GVF repair plant numbered c.1962	1997	F4
419				FUEL	NKNeft (1941)		c. 1941	F2
420				FUEL	NKNeft (1941)		c. 1941	F2
421		Khar'kov		AERO		former GVF repair plant numbered c.1962	1970-3	D16
423	im. Stalina			FUEL	NKNeft (1941)		c. 1941	F2
424				FUEL	NKNeft (1941)		c. 1941	F2

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
424		Dolgoprudnyi (Vodniki, Moscow obl.)	OKB	AERO	MAP (1957)	opened 1957 on site of z-d 207; aeronautical equipment and airships	1957-94	C41
425	im. Dzerzhinskogo			FUEL	NKNeft (1941)		c. 1941	F2
426				FUEL	NKNeft (1941)		c. 1941	F2
427	im. Leitenanta Shmidta	Baku		FUEL	NKNeft (1941)		c. 1941	F2
429				FUEL	NKNeft (1941)		c. 1941	F2
430				FUEL	NKNeft (1941)		c. 1941	F2
431				FUEL	NKNeft (1941)		c. 1941	F2
432				FUEL	NKNeft (1941)		c. 1941	F2
433				FUEL	NKNeft (1941)		c. 1941	F2
434				FUEL	NKNeft (1941)		c. 1941	F2
435				FUEL	NKNeft (1941)		c. 1941	F2
438				FUEL	NKNeft (1941)		c. 1941	F2
440				FUEL	NKNeft (1941)		c. 1941	F2
441				FUEL	NKNeft (1941)		c. 1941	F2
443				FUEL	NKNeft (1941)		c. 1941	F2
444	im. Nosenko	Nikolaev		SHIP	NKSP (1945)	largest Soviet shipyard, also called 'Nikolaevskaya Yuzhnaya' and 'Chernomorskaya'; reopened after the war on site of former z-d 198	1941-94	D17 G1 D12 (p. 62) C32 (p. 69)
445		Moscow		SHIP	NKSP (1941)	naval equipment, partially evacuated 1941 to z-d 639	1941	E1 C32 (p. 236)
445	im. 61 Kommunara	Nikolaev		SHIP	NKSP (1945)	opened after the war on site of former z-d 200; also called 'Nikolaevskaya Severnaya'	1935-97	D17 D46 G1
446		Nikolaev		SHIP	GKVT (1958)	marine electrical equipment	1958-9	A7
447		Erevan		AERO	NKAP (1945)	aircraft repairs, trainers	1945	C8 C17
448		Tbilisi		AERO	NKAP (1941)	aeroengines, absorbed by evacuated z-d 31	1941	F2 C41
448		Leningrad, now St Petersburg	OKB	AERO	MAP (1946)	fuel instruments, bombs; acquired resources from Siemens-Halske 1946	1946-8	C36 (pp. 90-1)
450		Khar'kov		AERO	NKAP (1941)	intended for aircraft, evacuated before opened	1941	C8 D8 (N3/97, p. 26)
450		Voronezh		AERO	MAP (1948)	repairs	c. 1948	C13
451		Moscow	OKB	AERO	MAP (1946-8)	aeroengine parts, later special-purpose aviation products; acquired resources from Leman 1946	1946-8	A6 C36 (pp. 90-1) D21 (N6/90, p. 209)
452		Dnepropetrovsk		AERO	NKAP (1941)	aeroengines, under construction 6/41	1941	D15 (N30/91, p. 10)
452		Vladimir		AERO	NKAP (1941), GKVT (1958)	aircraft instruments, evacuated 1941, later reopened; by 1958, special-purpose aviation products	1941-59	A7 C8
453		Minsk		AERO	MAP (1946)	acquired resources from Heinkel 1946	1946	C36 (pp. 90-1) D15 (N30/91, p. 10)
454		Kuibyshev, now Samara		MUNS		bombs	1944	B3
454		Moscow		AERO	NKAP (c. 1941)	aircraft armaments, originally z-d 32	c. 1941	F2 F4
455	im. Artema	Kiev		AERO	NKAP (1941)	aircraft, destroyed 1941 while under construction	1941	F4
455		Kostino		AERO	GKVT (1958)	special-purpose aviation products incl. bomb racks, turrets, later missiles	1958-9	A7 D29 (N1/97, pp. 86-8)
455		Korolev (formerly Kaliningrad, formerly Podlipki)		AERO	NKAP (1942)	bomb racks and turrets, opened 1942; in 1956 built air-to-air RS-1-U missiles; now part of Gos. NPO 'Zvezda-Strela'	1942-97	D29 (N1-2/97, p. 86)
456		Dolgoprudnyi (Vodniki, Moscow obl.)		AERO	NKAP (1941)	former '2-oi Parashyutnyi z-d' of Osoaviakhim, transferred to NKAP and numbered from 2/41; evacuated 1941	1941	F4
456		Moscow (Khimki)	OKB, opytnyi razdel	AERO	MAP (1946-8), GKVT (1958)	rocket motors, opened 1946 on site of evacuated z-d 84; acquired resources from Henschel 1946; now NPO 'Energomash im. Ak.V.P.Glushko' (?)	1946-59	A6 A7 C36 (pp. 90-1) D1 (N9/97, p. 89) D10 (N4/93)
457		Zaporozh'e		AERO	NKAP (1941)	aeroengine parts and undercarriages; evacuated 1941	1940-1	C8 C1 C24
458		Leningrad, now St Petersburg	OKB	AERO	NKAP (1941), MAP (1948)	aircraft, evacuated 1941; later reopened on site of evacuated z-d 23 and housed Chetverikov OKB	1941-8	F4 B7 C33 (p. 236) A6 A5
458		Rostov na Donu		AERO	NKAP (1941)	former 'GAZ im Uritskogo', converted to trainers; evacuated Baku 1941	1941	C24
458		Baku		AERO	NKAP (1944)	evacuated from Rostov na Donu; aircraft and repairs; later amalgamated with other local plants	1941-4	B3 C24
458		Podberezh'e (now Dubna)	OKB	AERO	MAP (1946-8)	acquired equipment and engineers from Germany 1946 and renamed 'Gos. Opytnyi z-d (GOZ) no.1' for jet and rocket aircraft; in 1954 returned to series production	1946-53	A6 C36 (pp. 90-1)
459		Mogilev		AERO	NKAP (1941)		c. 1941	D15 (N30/91, p. 10)
460				MUNS	NKB (1941)		c. 1941	F2
461		Syzran		MUNS		bombs	1944	B3
463		Ryazan'	OKB	AERO	GKVT (1958)	radar equipment	1958	A7

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
464		Dolgoprudnyi (Vodniki, Moscow obl.)		AERO	NKAP (1941)	woodworking, gliders and aircraft; evacuated 1941	1940-1	C8 C17
464		Alapaevsk		AERO	NKAP (1943)	aircraft	1943	C8
464			OKB	AERO	MAP (1948)	aircraft	1948	A6 A5
465		Kaunas		AERO	NKAP (1940)	former GVF repair plant transferred to NKAP and numbered 1940; evacuated 1941, reopened as repair plant 1944 (?)	1940-1	C8 (vol. 2, p. 200)
465		Moscow (Kuntsevo)	NII-20	ELEC	GKVT (1958)	radio, later radar equipment	1958-9	F2 A7 C8
466	Krasnyi Oktyabr'	Leningrad, now St Petersburg		AERO	NKAP (1941), MAP (1946)	converted to aeroengines and numbered from 2/41; evacuated Gor'kii 7/41, returned 1945; now AO 'Krasnyi Oktyabr'	1941-5	F2 F4 C16 D7 (N11-12/96, p. 21)
466	Krasnyi Oktyabr'	Gor'kii, now Nizhnii Novgorod		AERO	NKAP (1944)	aeroengine plant, evacuated from Leningrad 7/41, returned 1945	1944	B3
467		Pavlov na Oke	OKB-27, OKB-467	AERO	NKAP (1944), MAP (1948), GKVT (1958)	propellers 1944; by 1958 hydraulic suppressors and control systems.	1944-59	F2 A7 B3 F1 A6
468		Beskudnikovo st.	OKB	AERO	MAP (1948), GKVT (1958)	airfield equipment and parachutes	1948-59	A7 A6 A5
469		Gor'kii, now Nizhnii Novgorod		AERO	NKAP (1944)	radiators and aircraft components, evacuated briefly 1942 (?)	1941-4	C41 B3 F1
470		Leningrad, now St Petersburg	OKB	AERO	NKAP (1940), MAP (1946-8), GKVT (1958)	aircraft instruments, evacuated Molotov 1941; returned and converted to nav aids, weapons systems, aircraft simulators; OKB formed 1946; now NPO 'Elektroavtomatika'	1940-95	F2 F4 F7 C5 (p. 288) A6
470		Molotov, now Perm'		AERO	NKAP (1944)	aircraft instruments, evacuated from Leningrad 1941	1944	B3
471		Shumerlya		AERO	NKAP (1944)	aircraft and assault gliders	1941-5	C8 B3
472		Kozlovka		AERO	NKAP (1941)	assault gliders	1941	F2 D17
472		Kuznetsk		AERO	NKAP (1944)	radiators	1944	B3
473	im. Antonova	Kiev	OKB	AERO	NKOP (1943), MAP (1946)	opened 11/43 on site of evacuated z-d 43; acquired resources from Junkers (Ascherleben) 1946; fighters and later transports; now 'Kievskii Gosudarstvennyi Aviatsonnyi z-d'	1941-94	F2 C8 C41
474		Riga		AERO	NKAP (1941)	fomer GVF prototype plant, evacuated 1941	1941	C1 F1
475		Smolensk		AERO	GKVT (1958), MAP (1946)	opened 3/44 on site of evacuated z-d 35; repairs, later gliders, trainers, and transports; now AO 'Smolenskii Aviatsonnyi z-d'	1944-94	A7 C8 C41 H1 (vol. 3)
476			OKB	AERO	MAP (1948)	aeroengines	1948	A6
476		Moscow		ARMS	GKVT (1958)	small-arms, filial of z-d 266	1958-9	A7
477		Krasnoyarsk	OKB	AERO	NKAP (1943)	former repair plant of Glavsevmorput; experimental factory from 5/43	1943-6	C23
478		Zaporozh'e	OKB	AERO	NKAP (1943), MAP (1946)	evacuated z-d 26 re-established as z-d 478 in 10/43; acquired resources fom Argus 1946; now AO 'Motor Sich'	1943-94	F2 C41
480		Moscow		AERO	NKAP (1942)	rocket aircraft; became z-d 155 OKB-MIG 3/42	1942	F1
480		Khar'kov		AERO	NKAP (1944)	aviation products	1944	B3
481		Syzran		AERO	NKAP (1944)	bombs	1944	F2 B3
482		Vladykino	OKB	AERO	NKAP (1941), MAP (1946)	high-altitude aircraft (research OKB, experimental factory and repair plant housed on site of z-d 133); OKB evacuated to Kazan' 1941, returned 1942, absorbed by OKB-240 on 20/2/1946	1941-6	F2 D26 (N5/96, N8/96) D10 (no. 19)
483		Kiev	OKB	AERO	NKAP (1941), MAP (1946), GKVT (1958)	opened 2/41 (OKB Tairova), evacuated Kuibyshev 1941; site was reopened for aircraft repairs, but original factory returned by 1958 with OKB for radar equipment and bombsights	1941-59	A7 B3 D11 (N1/96)
485		Kiev		AERO	NKAP (1944)	aircraft repairs	1944	B3
486		Leningrad, now St Petersburg		AERO	NKAP (1941)	aviation products, evacuated Bilimbai 1941	1941	F4
487		Zaporozh'e		AERO	NKAP (1944)	aviation products	1944	F2 B3
488		Rostokino (Moscow obl.)		AERO	NKVD (1940)	sharaga for aviation products, opened 1940 as overspill for z-d 156, closed 1951; in 1944 filial opened in Poltava to rebuild damaged US bombers for Soviet use	1940-51	F2 C25 F4
489		Dnepropetrovsk		AERO	NKAP (1944)	aviation products	1944	B3
491		Kimry (Savelovo)		AERO	GKVT (1958)	special-purpose aviation products; acquired resources from Mitteldeutschmotorenwerke 1946	1953-9	A7 D43 (N1/95)
492		Moscow		AERO	GKVT (1958)	special-purpose aviation products	1958-9	A7
493		Kaliningrad obl.		AERO	GKVT (1958)	special-purpose aviation products	1958-9	A7
494		Chuvash obl.		AERO	NKAP (1944)	assault gliders and bombers	1941-5	F2 C8
496		Leningrad, now St Petersburg		OTHER			c. 1941	F2
497		Sevastopol'		SHIP	MSP (1957)	shipyard	1957	D35 (N3/97, p. 8)
498				ELEC	NKEP (1941)		c. 1941	F2
499			OKB	AERO	MAP (1948)	Tsybin OKB here in late 1940s	1948-55	D26 (N9/93, p. 6) A6 A5
500		Moscow (Tushino)	OKB	AERO	NKAP (1942), MAP (1946), GKVT (1958)	aeroengines, opened 2/42 (formerly z-d 82, evacuated to z-d 16, returning to new site and number); now 'Gos. Moskovskoe Mashinostroitel'noe Proizvodstvennoe predpriyatie im. V.V.Chernysheva'	1942-97	F2 A7 C41 H3 (p. 250)
504		Moscow	NII	MUNS	GKVT (1958)	proximity fuses	1958-9	A7
505				SHIP	NKSP (1941)		1941	C32 (p. 117)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
509				SHIP	NKSP (1941)		1941	C32 (p. 205)
512				MUNS	NKB (1941)	fuses and explosives	c. 1941	F2 C33 (p. 234)
513				MUNS	NKB (1941)		c. 1941	F2
515				OTHER	NKTsvetM (1941)		c. 1941	F2
516				OTHER	NKTsvetM (1941)		c. 1941	F2
517		Moscow		SHIP	GKVT (1958)	marine lighting equipment	1958-9	A7
518		Revdinsk (Sverdlovsk obl.)		OTHER	NKTsvetM (1941)		c. 1941	F2
519				OTHER	NKTsvetM (1941)		c. 1941	F2
520				OTHER	NKTsvetM (1941)		c. 1941	F2
521		Pervoural'sk (Sverdlovsk obl.)		MUNS	NKB (1941)		c. 1941	F2
522		Leningrad, now St Petersburg		MUNS	NKB (1941)		c. 1941	F2
523		Moscow	KTByuro, renamed GNII 'Grafit'	AERO		graphite missile parts, opened 1946 with German equipment	1946	D38 (N19/95, p. 34)
524		Izhevsk		ARMS	NKV (1941)	infantry armament	c. 1941	F2
525				ARMS	NKV (1941)	artillery	c. 1941	F2
526				ARMS	NKV (1941)		c. 1941	F2
528				ELEC	NKEP (1941)	radio equipment	c. 1941	F2
529				ARMS	NKV (1941)		c. 1941	F2
530				MUNS	NKB (1941)		c. 1941	F2
532	Butoma	Kerch'		SHIP	NKSP (1941)	shipyard, also known as "Kamysh-Barun"; evacuated 1941 to z-dy 344 and 639; still operational 1995	1941-95	C32 (pp. 221, 228) G1 E1
533				SHIP	NKSP (1941)		1941	C32 (p. 75)
534		Moscow		SHIP	GKVT (1958)	marine equipment	1958-9	A7
535		Tula		ARMS	NKV (1940)	guns, evacuated Cheliabinsk 1941; reopened after war for aircraft guns; now AO 'Tulatochmash'	1940-97	F2 C31 (80, p. 347) D51 (N4/97, p. 18)
536				ARMS	NKV (1941)	infantry armament	c. 1941	F2
537		Kirov		ARMS	NKV (1941)	acquired equipment evacuated from z-d 60	1941-6	C33 (p. 141)
538				ARMS	NKV (1941)		c. 1941	F2
539				ARMS	NKV (1941)		c. 1941	F2
540		Irkutsk		ARMS	NKV (1941)	acquired equipment evacuated from z-d 60	1941-6	C33 (p. 141)
541		Chelyabinsk		ARMS	NKV (1941)	acquired equipment evacuated from z-d 60	1941-6	C33 (p. 141)
542				ARMS	NKV (1941)		c. 1941	F2
543		Kazan'		ARMS	NKV (1941)	acquired equipment evacuated from z-d 60	1941-6	C33 (p. 141)
545		Chkalov, now Orenburg		ARMS	NKV (1941)	acquired equipment evacuated from z-d 60	1941-6	C33 (p. 141)
548	Baku			AERO				G3
549				ARMS	NKV (1941)		c. 1941	F2
550		Sarov, later Arzamas-16		MUNS	NKB (1940)		1940-90s	F2 D33 (N10/93, p. 132)
555		Vilnyus	OKB	ELEC	NKEP (1941)	radio equipment	c. 1941	F2
556				MUNS	NKB (1941)		c. 1941	F2
557				MUNS	NKB (1941)		c. 1941	F2
558				MUNS	NKB (1941)		c. 1941	F2
559		Sverdlovsk obl.		MUNS	NKB (1941)		c. 1941	F2
562				MUNS	NKB (1941)		c. 1941	F2
564				MUNS	NKB (1941)		c. 1941	F2
568		Moscow	SKB	ELEC	GKVT (1958)	radiotelemetry equipment	1958-9	A7
568				MUNS	NKB (1941)		c. 1941	F2
569				MUNS	NKB (1941-5)		1941-5	D47 (23/6/98)
570				MUNS	NKB (1941)		c. 1941	F2
571		Moscow	NII	MUNS	NKB (1941), GKVT (1958)	fuses, later radar fuses	1941-59	F2 A7 C33 (p. 234)
573		Kiev	OKB	AERO	MAP (1965)	prototype aircraft, separated from z-d 473 in 1965; now 'ANTK im. O.K.Antonova'	1965	D11 (N1/96)
573				MUNS	NKB (1941)		c. 1941	F2
574		Leningrad, now St Petersburg	OKB	ELEC	GKVT (1958)	radio components	1958-9	A7
577				MUNS	NKB (1941)	gunpowder	c. 1941	F2
582		Moscow (Balashikha)	NII	MUNS	NKB (1941), GKVT (1958)	ammunition engineering	1941-59	F2 A7
584				ELEC	NKEP (1941)	batteries	c. 1941	F2
586		Kolomna		ARMS	NKV (1942)	AA artillery, opened on site of evacuated z-d 38; converted to railway goods 1946	1942-6	C39

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
586	Yuzhmash	Dnepropetrovsk	SKB, OKB	AERO	GKVT (1958)	former motor factory, converted to missiles 2/52 (Minvooruzheniya), by 1958 experimental missile factory; also series production of ICBMs; now 'Yuzhnyi Mashinostroitel'nyi z-d'	1952-9	A7 C9 (p. 305) C33 (p. 240) D25 (26/4/95)
589		Moscow	TsKB	ARMS	GKVT (1958)	optical instruments, later gunsights	1958-9	F2 A7
590		Novosibirsk		ELEC	NKEP (1941)	aviation electronics	1941	F2
591		Moscow	NII	ELEC	GKVT (1958)	thermionic valves	1958-9	A7
592		Sverdlovsk, now Ekaterinburg	NII	AERO	GKVT (1958)	missile target acquisition equipment	1958-9	A7
596		Moscow obl.		ELEC	NKEP (1946)	acquired German electronics specialists 1946	1946	C36 (pp. 90-1)
597		Moscow	SKB	ELEC	GKVT (1958)	radios and TVs	1958-9	A7
600		Urumchi (China)		AERO	NKAP (1940)	aircraft: opened 9/40, closed 8/41	1940-1	C8 C24
601				ARMS	NKV (1941)		c. 1941	F2
602				MUNS	NKB (1941)		c. 1941	F2
605				MUNS	NKB (1941)		c. 1941	F2
606				MUNS	NKB (1941)		c. 1941	F2
607		Sverdlovsk obl.		MUNS	NKB (1941)		c. 1941	F2
610		Azerbaidzhan		MUNS	NKB (1941)		c. 1941	F2
611				MUNS	NKB (1941)		c. 1941	F2
613		Novosibirsk	NII	MUNS, later ELEC	NKB (1941), GKVT (1958)	by 1958, thermionic valves	1941-59	F2 A7
614		Saratov		AERO	NKAP (1944)	subcontractor of z-d 51	1945	B3
614				ARMS	NKV (1941)	in wartime infantry armament, later developed AA armament	1941-c. 1950	F2 D46 (N11/96, p. 125)
615				ELEC	NKEP (1941)		c. 1941	F2
617		Tbilisi		AERO	NKAP (1944)	aviation products	1944	B3
617				ELEC	NKEP (1941)		c. 1941	F2
619		Leningrad, now St Petersburg	NII	ELEC	GKVT (1958)	radio rangefinding equipment	1958-9	A7
622		Izhevsk		OTHER		opened 1942 with evacuated equipment from Tula and Podol'sk	1942	F2 D25 (9/9/92)
623				OTHER	NKRezinProm (1941)		c. 1941	F2
624				ELEC	NKEP (1941)	transformers	c. 1941	F2
626				ELEC	NKEP (1941)		c. 1941	F2
627				ELEC	NKEP (1941)		c. 1941	F2
628				ELEC	NKEP (1941)		c. 1941	F2
632				ELEC	NKEP (1941)	thermionic valves	c. 1941	F2
634	Elektrochpribor	Omsk		ELEC	NKEP (1941)		c. 1941	F2
635				MUNS	NKB (1941)		c. 1941	F2
637				MUNS	NKB (1941)		c. 1941	F2
638	im. Stalina	Astrakhan'		SHIP	NKSP (1941)	shipyard, formerly of NKRechFlot, numbered 8/41; absorbed parts of evacuated z-dy 189, 194, 200, 201, and 638 in 1941; itself evacuated 1942 to z-dy 199, 344, 369, 639, and 640	1941-2	F2 E1 C32 (pp. 11, 225, 227-8)
639		Tyumen	OKB	SHIP	NKSP (1941)	shipyard, formerly of NKRechFlot, numbered 8/41; torpedo boats, 1941-9, river barges after the war; absorbed parts of evacuated z-dy 194, 196, 445, and 532 in 1941 and of z-d 638 in 1942; now AO 'Tyumenskii sudostroitel'nyi z-d'	1941-9	D29 (N1-2/96) E1 C32 (pp. 11, 227-8, 236)
640		Sosnovka		SHIP	NKSP (1941)	shipyard, formerly of NKRYbProm, numbered 8/41; small naval vessels; absorbed parts of evacuated z-dy 5, 189, and 345 in 1941, and of z-d 638 in 1942	1941-2	F2 E1 C32 (pp. 11, 227, 236-8)
642	Mostyazhart	Moscow	NII	AERO	GKVT (1958)	special-purpose aviation products: ground support equipment for missiles; later 'Moskovskii Mashinostroitel'nyi z-d "Vympel"	1958-9	A7 G3
645	im. 25 Oktyabrya	Gor'kii, now Nizhnii Novgorod		SHIP	NKSP (1941), GKVT (1958)	ship repair yard, later marine electrical instruments; absorbed part of evacuated z-d 194 in 1941	1941-59	F2 A7 E1 C32 (p. 227)
646	im. K.Marksa	Gor'kii, now Nizhnii Novgorod		SHIP	NKSP (1941)	absorbed part of evacuated z-d 370 in 1941	1941	F2 E1 C32 (p. 228)
647				ELEC	NKEP (1941)		c. 1941	F2
648		Babushkin	NII	ELEC	GKVT (1958)	by 1958 missile target acquisition equipment	1941-59	F2 A7
653				ELEC	NKEP (1941)		c. 1941	F2
654	Elektroapparatnyi	Cheboksary		ELEC	NKEP (1941)		c. 1941	F2
655				ELEC	NKEP (1941)		c. 1941	F2
658	im. Kalinina			ELEC	NKEP (1941)		c. 1941	F2 D25 (17/1/98)
659	Uralktroapparat	Sverdlovsk, now Ekaterinburg		ELEC	NKEP (1941)	acquired German electronics specialists 1946; now 'Uralktrotyazhmash'	1946	C36 (pp. 90-1)
660				ELEC	NKEP (1941)		c. 1941	F2
661		Balakovo		SHIP	NKSP (1941)	shipyard, formerly of NKRYbProm, numbered 8/41; small naval vessels; absorbed parts of evacuated z-dy 363 and 370 in 1941	1941-4	E1 C32 (pp. 11, 228, 242-3)
668		Tula		ELEC	GKVT (1958)	radar equipment	1958-9	A7
675				ELEC	NKEP (1941)		c. 1941	F2

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
678		Leningrad, now St Petersburg	TsKB	ELEC	GKVT (1958)	radio equipment for physics research	1958-9	A7
681				ELEC	NKEP (1941)		c. 1941	F2
682				ELEC	NKEP (1941)		c. 1941	F2
686		Moscow obl.		ELEC	NKEP (1941)	acquired German electronics specialists 1946	1941-59	C36 (pp. 90-1) D25 (17/1/98)
690		Tomsk		ELEC	NKEP (1941)	radio and electrical equipment	1944	B3
691				ELEC	NKEP (1941)		c. 1941	F2
692	Elektropribor	Khar'kov		ELEC		now NPO 'Khartron'		D50 (N5/97, p. 51)
693				ELEC	NKEP (1941)		c. 1941	F2
694				ELEC	NKEP (1941)		c. 1941	F2
695		Moscow	NII	ELEC	NKEP (1941), GKVT (1958)	radios in wartime: by 1958 military communication equipment	1941-59	F2 A7
696				ELEC	NKEP (1941)		c. 1941	F2
698				ELEC	NKEP (1941)		c. 1941	F2
699				ELEC	NKEP (1941)		c. 1941	F2
700				ELEC	NKEP (1941)		c. 1941	F2
701	Podol'skii Mekhanicheskii	Podol'sk		ELEC	MRT (1952)	experimental antenna for B-200 rocket	1952	D35 (N2/97, p. 29)
702		Novosibirsk		AERO	NKAP (1944)	aviation products	1944	B3
703		Petrovsk		AERO	NKAP (1944)	part-finished aviation products	1944	B3
703		Moscow	OKB	SHIP	NKSP (1941), GKVT (1958)	naval instruments, later radar equipment; opened 5/42 on site of evacuated z-d 252	1941-59	A7 C33 (p. 253) E1 C32 (pp. 15, 226-7)
706		Moscow	NII-944	SHIP	NKSP (1942)	gyroscopic instruments, opened 5/42 on site of z-d 251; see however z-d 706 (Leningrad)	1942	F2 E1 C32 (pp. 226-7)
706		Leningrad, now St Petersburg		SHIP	GKVT (1958)	gyroscopic instruments; see however z-d 706 (Moscow)	1958-9	A7
707		Sverdlovsk, now Ekaterinburg		SHIP	NKSP (1941)	tank parts, later naval instruments; established 1941 on site of evacuated filial of z-d 209	1941	F2 E1 C32 (p. 226)
708		Kazan'		SHIP	NKSP (1941), NKAP (1942)	naval and aircraft instruments; formerly filial of z-d 374 on same site	1941-2	F2 E1 C32 (p. 226)
709		Moscow		SHIP	NKSP (1942)	established 5/42 on site of evacuated z-d 239; absorbed part of evacuated z-d 103	1942	F2 D45 (N5/95, p. 51) E1 C32 (pp. 226-7)
711		Grivno st. (Klimovsk?)		MUNS	GKVT (1958)	small arms ammunition	1958-9	A7
718	im. Engel'sa			ARMS	NKMV (1942)	Katyusha rocket mortars	c. 1942	F2
720	Krasnaya presnya im. MK	Moscow		ARMS	NKMV (1942)	Katyusha rocket mortars	c. 1942	F2
726				ARMS	NKMV (1942)		c. 1942	F2
733	Kompressor	Moscow	SKB	ARMS	NKMV (1942)	formerly refrigerator plant, converted to 'Katyusha' rocket launchers 1941 and site of Barmin SKB	c. 1942	F2 C32 (p. 733)
740				ARMS	NKMV (1942)		c. 1942	F2
744				ARMS	NKMV (1942)		c. 1942	F2
746				ARMS	NKMV (1942)		c. 1942	F2
748				ARMS	NKMV (1942)		c. 1942	F2
749				ARMS	NKMV (1942)		c. 1942	F2
750				ARMS	NKMV (1942)		c. 1942	F2
755				ARMS	NKMV (1942)		c. 1942	F2
756				MUNS	NKKhimProm (1941)		c. 1941	F2
757	Okhtinskii kombinat	Leningrad, now St Petersburg		MUNS	NKKhimProm (1941)		c. 1941	F2
760				ARMS	NKMV (1942)		c. 1942	F2
761				ARMS	NKMV (1942)		c. 1942	F2
763				ARMS	NKMV (1942)		c. 1942	F2
768				ARMS	NKMV (1942)		c. 1942	F2
771				ARMS	NKMV (1942)		c. 1942	F2
778		Aleksin (Tula obl.)		OTHER	GKVT (1958)	specialised packing plant; see however z-d 778 (Leningrad)	1958-9	A7
778	Opytnyi z-d	Leningrad, now St Petersburg	NII	ELEC	GKVT (1958)	phototelegraphy; see however z-d 778 (Aleksin)	1958-9	A7
780				ARMS	NKMV (1942)		c. 1942	F2
781		Leningrad, now St Petersburg		SHIP	GKVT (1958)	naval equipment	1958-9	A7
782		Zaporozhi'e		SHIP	NKSP	shipyard	1941 (?)	E1
784		Kiev obl.		ARMS	NKV (1946)	acquired German specialists 1946	1946	C36 (pp. 90-1)
784				ARMS	NKMV (1942)		c. 1942	F2
798				ARMS	NKMV (1942)		c. 1942	F2
800		Leningrad, now St Petersburg		ARMOUR		light T-26 (1933-40)	1933-40	D35 (N1/98, p. 36)

1 No.	2 Name	3 Location	4 Subsidiary units	5 Branch	6 Ministry	7 Other details	8 Date	9 Sources
800	Zvezda im. Voroshilova	Leningrad, now St Petersburg		SHIP		marine diesel engines, on site of former z-d 174 that was evacuated to Omsk 1941	c. 1946	F2
804				ELEC	NKEP (1941)		c. 1941	F2
807				ARMS	NKMV (1942)		c. 1942	F2
808				ARMS	NKMV (1942)		c. 1942	F2
810				ARMS	NKMV (1942)	Katyusha rocket mortars	c. 1942	F2
815				ARMS	NKMV (1942)	Katyusha rocket mortars	c. 1942	F2
820	Yantar'	Kaliningrad (Koenigsberg)		SHIP	NKSP (1945)	shipyard, opened 1945; successor to the Schichau shipyard; now AO 'Pribaltiiskii Sudostroitel'nyi z-d "Yantar"'	1996	D29 (N9/96) C29 (p. 62)
822		Syert raion (Sverdlovsk obl.)		ARMS	NKMV (1942)		c. 1942	F2
828				ARMS	NKMV (1942)		c. 1942	F2
831		Feodosiya		SHIP	MSP (1949)	M-123bis-type torpedo boats, 1949-55	1949-55	D29 (N1-2/96, p. 117)
832		Feodosiya		SHIP	GKVT (1958)	torpedo control instruments	1958-9	A7
834				ARMS	NKMV (1942)		c. 1942	F2
835				ARMS	NKMV (1942)		c. 1942	F2
836				ARMS	NKMV (1942)		c. 1942	F2
838				ARMS	NKMV (1942)		c. 1942	F2
843				ARMS	NKMV (1942)		c. 1942	F2
845		Moscow		AERO	NKAP (1944)	aircraft instruments	1944	B3
845				ARMS	NKMV (1942)		c. 1942	F2
846				ARMS	NKMV (1942)		c. 1942	F2
853				ARMS	NKMV (1942)		c. 1942	F2
856				ARMS	NKMV (1942)		c. 1942	F2
864		Minsk	KB	AERO	GKVT (1958)	air defence systems	1958-9	A7
878	opytnyi z-d	Saratov	OKB-213	AERO	GKVT (1958)	aircraft instruments	1958-9	A7
885		Moscow	NII	AERO	NKAP (1944)	long-range missile control systems	1958-9	A7
890		Tallinn (Estonia)		SHIP		shipbuilding, still in use		D45 (N5/95, p. 61)
893		Yagra Island		SHIP	MSP (1954)	ship and repair yard, opened 1954; joined PO 'Sever' 1970; in 1992 renamed 'Gos. Mashinostroitel'noe Predpriyatie 'Zvezdochka'	1954-98	D29 (N5-6/96, p. 78)
900		Leningrad, now St Petersburg	OKB	ELEC	GKVT (1958)	radar equipment	1958-9	A7
918		Lyubertsy	OKB	AERO	GKVT (1958)	escape and protective clothing; now AO 'NPP "Zvezda"'	1958-93	A7 D26 (N11/93)
923		Moscow	OKB	AERO	GKVT (1958)	autopilots	1958-9	A7
928		Murmansk-150		SHIP	MSP (1958)	nuclear submarine refuelling plant, opened 1959; in 1967 became 'voennaya chast' no. 929-III'	1958-98	F4
931		Skhodnya		ELEC	GKVT (1958)	thermionic valves	1958-9	A7
934		Moscow	KB-1	ELEC	GKVT (1958)	special-purpose aviation products and development of air defence systems	1958-9	A7
938		Ukhtomskaya st. (Lyubertsy)	OKB	AERO	GKVT (1958)	helicopters, now AO 'Kamov'	1958-9	A7
946				ARMS		AA artillery		D46 (N11/96, p. 125)
1001	im. Voroshilova	Krasnoyarsk-26 now Zheleznogorsk		ARMS		artillery, later missiles		D25 (27/10/94) D2 (no. 1648, p. 63)
1127		Batumi		SHIP	NKSP (1943)		1943	C32 (p. 138)