

TsKB (Central Design Bureaux)									
1. No.	2. Name	3. Subsidiary units	4. Location	5. Branch	6. Ministry	7. Other details	8. Designer	9. Date	10. Source
1	TsKB		Nikolaev	SHIP	NKTP (1934), NKOP (1936), NKSP (1939)	warship design (eg Kirov class); from 1932 at z-d 200 'im. 61 Kommunara'; later transferred to NKAP	Maslov	1932-40s	D29 (N9-10/95, p. 113) C83 (p. xvi) C32 (p. 39)
1	TsKB, NKSP		Moscow (Tushino)	SHIP	NKSP (1939), NKAP (1941)	formed 3/39 to develop hovercraft at z-d 445; evacuated to Alapaevsk 1941 where the design bureau switched to assault gliders for NKAP	Levkov	1939-41	D29 (N3-4/99)
3	TsKB		Grivno st. (Kursk rlyw)	MUNS		cartridge production technology	Koshkin c.1960	1958-60	A7 C55 (p. 161)
4	TsKB, also called TsKBS-4		Leningrad, now St Petersburg	SHIP	NKSP (1943), MSP (1946)	originally KB-4, Baltiskii z-d, prewar battleship KB; evacuated Kazan' 1941; reformed 9/43 into TsKB standartizatsii NKSP, ie TsKBS-4 for vessel equipment standards; Sudostroenie 10/96 p.90 suggested created 1946 and now TsNII Lot		1941-96	A7 D45 (N10/96, p. 90) C83 (p. xvi) C63 (vol. 4, p. 456)
5	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1965)	based at z-d 5; missile ships and torpedo boats and from 1998 also mine counter-measures ships; merged with TsKB-19 c.1973 now TsMKB 'Almaz'	Yukhnin, Arsenev, Bunkinym, Shlyakhtenko	1958-97	A7 D29 (N11/94, p. 74) D35 (vol. 3/97, p. 14) C83 (p. xvi)
7	TsKB		Leningrad, now St Petersburg	SHIP	MV (1949)	formed 21/11/49 from OKB-7 at z-d 7; naval guns, anti-aircraft artillery and missile systems later space satellites; from 1967 KB 'Arsenal' im. MV Frunze	Tyurin 1953-81, Pamyakov 1981-3, Valov 1983-95, Poletaev 1995-	1949-96	D25 (6/7/96) D51 (N7/93, p. 14) D35 (vol. 2/97, p. 42) C45 (N5/95, p. 1-76) C70
12	TsKB		Moscow	SHIP		naval patrol boats		1958-9	A7
14	TsKB		Tula	ARMS	VSNTKh (1929), NKTP (1934), NKOP (1936), NKV (1939), MV (1945), MOP (1965)	opened 1929 as KB of Tula oruzheinyi z-d; NKV 1941; small arms, anti-aircraft and anti-tank systems and aircraft armament; now Tula KB priborostroeniya	Berezin, Tokarev, Shipunov c1996	1929-96	A7 D29 (N3/95, p. 10) D46 (N11/96, p. 124) D20 (15/3/41) D25 (10/9/94) H1 (vol. 3) A9
14	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1965)	fishery vessels: created from part of TsKB Baltudproekt in 1955; now TsKB 'Vostock'		1955-96	A7 D45 (N10/96, p. 90)
15	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1965)	formed 1947 for ice-breakers and vessels with special-purpose armament; now St P. TsKB 'Aisberg'	Negranov	1947-98	A7 G1 C63 (vol. 5, p. 56)
16	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1948), MSP (1965)	former TsKB-L reorganised in 1948 as TsKB-16; heavy cruisers and missile submarines from 1953 and c.1965 nuclear submarines; absorbed TsKB-143 1954-5 renamed TsPB 'Volna' in 1966, joining SKB-143 in St.P. morskoe byuro mashinostroeniya Malakhit 1974	Isanin 1950s, Kiselev c.1957, Shchik c.1959, Kuteinikov c.1998	1948-98	A7 D29 (N5-6/98, pp. 72-3, N9-10/98) D45 (N2-3/94, p. 39, N5-6/94, p. 65, N5-6/95, p. 62) C9 (vol. 1, p. 365) D35 (vol. 2/97, p. 6) C83 (p. xvi) C63 (vol. 5, pp. 39, 81, 285)
17	TsKB		Moscow	ELEC	NKAP (1944), MAP (1945)	formed 10/44 for radar; renamed NII-17 in 10/7/46	Sorin	1944-6	D43 (N3/96) D1 (N3/97)
17	TsKB		Leningrad, now St Petersburg	SHIP	NKOP (1938), NKSP (1939), MSP (1945), MSP (1965)	former TsKBS-1; transferred from NKOP to NKSP in 1939; major surface vessels including aircraft carriers; evacuated Kazan' in 1941; returned to Leningrad c.1944; at some stage called PKB Nevskii full name now St P. Nevskoe proektno-KB	Ashik & Savichev c.1956	1938-95	A7 D35 (vol. 1/97, p. 7) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 4, p. 187)
17	TsKB-17 filial		Leningrad, now St Petersburg	SHIP	MSP (1946)	formed at z-d 190 in 4/46; later became TsKB-16		1946	C63 (vol. 5, p. 41)
18	TsKB		Leningrad, now St Petersburg	SHIP	NKOP (1939), NKSP (1940), MSP (1945), MSP (1965)	former TsKBS-2 renamed TsKB-18 when transferred from NKOP to NKSP in 1939; the only prewar submarines design bureau; linked with z. 196; evacuated to Gor'kii 1941; post war on missile carrying nuclear powered submarines now TsKB morskoi tekhniki 'Rubin'	Pustyltsev, Kaverin, Deribin, Spassky 1974-	1939-95	A7 D29 (N1-2/95, p. 46, N11/95, p. 121, N11-2/98) D45 (N5-6/94, p. 59) C83 (p. xvi) C32 (p. 24, 27) C66 C63 (vol. 4, p. 273)
19	TsKB		Sosnovka (Kirov obl.)	SHIP	NKSP (1944)	established 1944 to design small warships shortly afterwards transferred to Leningrad		1944	D45 (N10/96, p. 90)
19	TsKB		Leningrad, now St Petersburg	SHIP	NKOP (1939), NKSP (1940), MSP (1945), MSP (1965)	ships equipment later patrol boats; reformed 1944 Sosnovka then transferred to Leningrad; merged with TsKB-5 c.1973 to be AO SF 'Almaz'	Kostetskii 1950s	1939-59	A7 D45 (N10/96, p. 90) C83 (p. xvi) C32 (p. 24) C63 (vol. 4, p. 275)
20	TsKB		Moscow	SHIP	MSP (1946), MSP (1965)	created 1946 to design patrol boats but from 1955 specialised in ships' propellers and other propulsion systems; now Moscow TsKB 'Vint'		1946-96	A7 D45 (N11-12/96, p. 3) C63 (vol. 5, p. 97)
20	TsKB			ARMS	MV (1946)	references to this TsKB as belonging to MV in 1946 and later becoming involved with missile work		1946-7	C33 (p. 234) A9
21	TsKB		Nikolaev	SHIP	MSP (1965)	dry cargo ships; created 1956 from part of TsKB Baltudproekt now Nikolaev TsKB Chemomorsudproekt		1956-96	A7 D45 (N10/96, p. 90)

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22	TsKB		Leningrad, now St Petersburg	MUNS	NKB (1942)	references to this TsKB of the NKB (MB) in 1933,1942 and 1944: detonators		1933-44	D39 (22/1/42, 27/1/44) D35 (vol. 7 /99, p. 2) G13
29	TsKB, NKVD		Moscow	AERO	NKVD (1938)	former SpetsTekhOtdyel (STO) then Osobe Technicheskoe Byuro (OTB) at TsKB-29 where NKVD 1/33 ran 5 airframe & 2 equipment/armament design teams on specific projects ; built prototypes in Bolshevo and, from 1939, at z. 156; evacuated 1941 to z. 166 Omsk	see KB-100, KB-102, KB-103, KB-110	1938-41	C8 (vol. 1, p. 423) D26 (N6/88, N11/93 and N3/94) D25 (9/12/95)
32	TsKB		Leningrad, now St Petersburg	SHIP	VSNKh (1925), NKTP (1933), NKOP (1936), NKSP (1939)	auxiliary vessels: created 9/25 as TsB morskogo sudostroeniya (TsBMS): 1928 became Sudoproekt and 1936 Leningradskii proektnyi institut then TsKB 32; evacuated in 1941 first to Nikolaevsk; merged with TsKB-50 in 9/41 but moved to Kazan' as TsKB-32;	Koperzhinskii	1925-41	D45 (N7/95, pp. 3-6, N11-2/96, p. 88) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 4, p. 273)
32	TsKB		Kazan'	SHIP	NKSP (1941)	TsKB-32 having first been evacuated to Nikolaevsk in 1941 and merged with TsKB-50 9/41 became TsKB-32 again on moving on to Kazan'; source C63 states it was evacuated to Gor'kii after absorbing TsKB-50		1941-5	D45 (N7/95, pp. 3-6, N11-2/96, p. 88) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 4, p. 451)
32	TsKB		Leningrad, now St Petersburg		MSP (1945), MSP (1965)	returned to Leningrad spring 1945; tankers etc; in 1966 became Baltsudoproekt and now St P.TsKB 'Baltsudoproekt'	Koperzhinskii	1945-96	A7 D45 (N7/95, pp. 3-6, N11-2/96, p. 88) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 5, p. 95)
32	TsKB-32 filial				NKSP (1942)	filial formed 1942 at z-d 190 (evacuated?); designing cutters in 1946		1942-6	C63 (vol. 4, p. 483, vol. 5, p. 61)
34	TsKB		Leningrad, now St Petersburg	SHIP later Aero	MSP (1945), MOBM (1965)	Morskoe artilleriiskoe TsKB: naval gun and rocket armament: created 1945 renamed KBSM 2/60 on absorbing OKB-172 and switching to missile launchers/silos; also called KB sredstv mekhanizatsii; now St P.KB spetsial'nogo mashinostroeniya (TsKBSM or KBSM)	Ulkin, Rudyak	1945-93	A7 C34 (p. 1) C83 (vol. 3/97, p. 8) G1 D44 (31/10/91) D61 (N2/93, p. 301) G13
						reference to an OKB-2, TsKB-34, in 1963 on submarine missile systems		1963	D46 (N2/96)
36	TsKB			SHIP	NKSP (1939)	formed 1939 shipbuilding and sea mines; note also SKB-36, same organisation?; suggestion it was liquidated 1941 but a 1943 reference in Pravda to its supplying new types of naval munitions; merged with remains of TsKB-39, NKSP, to become NII-400 in 2/44		1939-46	D39 (24/3/43) C83 (p. xvi) C32 (p. 38) C68
39	TsKB		Moscow (Khodynka)	AERO	NKTP (1933)	see TsKB, GUAP	Ilyushin 1933-5	1933-5	C8 E2
39	TsKB			SHIP	NKSP (1939)	formed 1939 shipbuilding and torpedoes; abolished 1941 and split up into OKB-182 and OKB-175 and later formed part of NII-400		1939-41	C83 (p. xvi) C32 (p. 38) C68
50	TsKB		Leningrad, now St Petersburg	SHIP	NKSP (1939), MSP (1945), MSP (1965)	former Rechtsudoproekt: auxiliary vessels: created 1939 from TsKB-363 plus another; evacuated 1941 Nikolaevsk and absorbed by TsKB-32 in 1942 & moved to Kazan' (source C63 has Gor'kii) ; restored in Leningrad from KB z da 189 ; now St P. GP Zapadnoe PKB	Mangaev dir., Mustafin des.	1939-95	A7 D29 (N11-2/95, p. 16) D32 (N5/93, pp. 49, 58-63) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 4, p. 273-4, vol. 5, p. 67)) C63 (vol. 4, p. 451)
51	TsKB		Gor'kii, now Nizhni Novgorod	SHIP	NKSP (1942), MSP (1965)	shipbuilding, river vessels: former Gor'kii rechsudoproekt; later became TsKB 'Vympel', MSP	Balueva	1939-59	A7 C32 (pp. 24, 274) C63 (vol. 4, p. 516)
52	TsKB		Leningrad, now St Petersburg	SHIP	NKSP (1940)	KB of Elektromotrest - electrical equipment for ships; evacuated to Gor'kii in 1941; later electronics		1940-1	C83 (p. xvi) C32 (pp. 24, 27)
53	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1946), MSP (1965)	formed 4/46 at z-d 190 from the filial of TsKB-17 based there; destroyers; became Severnoe PKB in 1966 now St P.'Severnoe' PKB	Nikilin, Yunovidov, Sobolev, Yukhnin	1946-96	A7 D29 (N9/95, N3-4/96, p. 36) D46 (9/98, p. 12) D45 (N1/94, p. 78, N11 2/96, pp. 5, 88) C83 (p. xvi) C32 (p. 40) C63 (vol. 5, p. 41)
54	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1946)	formed 1932 but designated TsKB-54 in 1946; naval radio equipment, hydroacoustic systems; now St P.KB 'Soyuzmorproekt'		1946-59	A7 D45 (N2/97, p. 53-55)
55	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1965)	degaussing equipment; renamed TsNII sudovoi elektrotekhniki i tekhnologii in 1965 (TsNII SET)		1958-65	A7 D45 (N1/97)
57	TsKB		Leningrad, now St Petersburg	SHIP		vessel refitting		1958-9	A7
111	TsKB			ELEC		post war GK radioelektroniki: aircraft radios ('Kripton' for Tu-95RTs)		c.1962	D51 (N4/97, p. 19)

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112	TsKB		Gor'kii, now Nizhnii Novgorod	SHIP	MSP (1965)	submarines: originally SKB-112 but created TsKB-112 in 1953; renamed SKB 'Sudoproekt' in 1966 and TsKB 'Lazurit' in 1974	Deribin, Vorobev	1953-97	A7 D29 (N7-8/94, p. 19) D32 (N5/97, p. 59) C83 (p. xvi) D62 (N11/91, pp. 28-32)
143	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1948)	formed 3/48 for submarine designs as either SKB-143 or TsKB-143, sources differ: 1954-5 absorbed by TsKB-16 to form TsPB 'Voina' and from 1974 part of SPMBM 'Malakhii'	Peregudov	1948-54	C40 (p. 8) C83 (p. xvi)
145	TsKB		Leningrad, now St Petersburg	SHIP	MSP (1965)	mine armament; 1969 merged with NII-400 to form TsNII Hidropribor	Zhvanskii	1953-69	A7 D32 (N2/94, pp. 21-2) C56
302	TsKB		Kiev	SHIP	MSP (1954)	formed 1954 from KB z-da 302: mid-size fishing boats; later called TsKB 'Leninskaya kuznitsa'		1954-69	C63 (vol. 5, pp. 110, 395)
326	TsKB		Gor'kii, now Nizhnii Novgorod	ATOM	MPSS (1946)	in 1946 MPSS and became involved in nuclear programme: communications equipment		1946	C33 (p. 217) D25 (19/11/94)
340	TsKB		Zelenodol'sk	SHIP	NKSP (c.1942), MSP (1945)	former MVD OKB-340: antisubmarine and assault vessels: now Zelendof'sk proektoe KB (PKB)		1958-95	A7 C32 (p. 30)
363	TsKB		Leningrad, now St Petersburg	SHIP	NKSP (1941), MSP (1945)	minesweepers; merged with another enterprise to become TsKB-50 before 1941; reformed later as KB z-da 363 becoming TsKB-363 at the end of 1949	Sokolov, Blinov	1941-59	A7 D32 (N5/93, p. 49) C63 (vol. 5, pp. 67-8, 70)
370	TsKB		Leningrad, now St Petersburg	SHIP		1963 reference to designing river tugs	Basil'ev	1963	C63 (vol. 5, pp. 259-60)
393	TsKB			ELEC	MEP (1948)	SAM homing heads	Nikolaev	1948	D5 (N10/94)
393	TsKB z-da 393		Krasnogorsk	ARMS	MV (1948)	formed 1948 in z-d 393 to develop new optical technologies: in 1957 formed department for electron microscopes and in 1969 for trajectory measuring instruments		1948	H5
457	TsKB z-da 457		Leningrad, now St Petersburg	SHIP		noted as as having split off from PO 'Znamya Oktyabrya' former z-d 457 in 1992		1992	G16
589	TsKB		Moscow	ARMS	MOP (1965)	TsKB and opytnyi zavod for optical-mechanical sights; later azimuth astro-correction systems; later TsKB Geofizika now NPO Geofizika (Guidance Systems)	Kuzmin, Khorol	1958-95	A7 C5 D46 (N5-6/99, p. 59)
678	TsKB		Leningrad, now St Petersburg	ELEC		z-d 678 and TsKB for radio equipment in physical research		1958-9	A7
709	TsKB		Moscow	SHIP	NKSP (c.1945)	mine and torpedo central design bureau: noted in 1958-9 official records as SKB-709		c.1945	C32 (p. 227)
820	TsKB		Kaliningrad, now Korolev	SHIP	MSP (1950)	shipbuilding design office for Type 50 etc frigates; formed 1950: filial at Leningrad; also referred to as SKB-820		1950	D45 (N11-2/96, p. 88) C83 (xvi)
	AGOS		Moscow	AERO	VSNTKh (1925)	Aviatsiya gidroaviatsiya i opytnoe stroitel'stvo formed in TsAGI 1925 with z-d 156 as its experimental plant, ZOK: 9/31 AGOS merged with TsKB, VAO, to become TsKB, TsAGI: re-emerged 1933 as KOSOS	Tupolev 1925-31	1925-31	C8 (pp. 416-7) E2
	Astrakhanskii TsKB		Astrakhan	SHIP	MRF? (1972)	noted in 1972 as designing oil barges		1972	C63 (vol. 5, p. 483)
	GTsKB-1			OTHER	MSKhM (c.1946)	Minselkhoz mash in 1940s		c.1946	C33 (p. 234)
	KOSOS		Moscow	AERO	VSNTKh (1932)	KOSOS, Konstruktorskii otdel opytnogo samoleststroenie, was formed in 1932 from TsKB, TsAGI retaining z-d 156 and heavy bomber design but z-d 39 now designated ZOK as it was the centre of most of the design work		1932-?	C8 (vol. 1, pp. 417-8) E2
	Leningradskii proektnyi institut		Leningrad, now St Petersburg	SHIP	NKOP (1936)	created 9/25 as TsB morskogo sudostroeniya (TsBMS); 1928 became Sudoproekt and 1936 Leningradskii proektnyi institut and then TsKB-32: evacuated in 1941 first to Nikolaevsk; merged with TsKB-50 in 9/41 but moved to Kazan' as TsKB-32		1936	C63 (vol. 4, p. 49) C32 (pp. 24, 27)
	Leningradskii Rechsudoproekt		Leningrad, now St Petersburg	SHIP	VSNTKh (1930)	created 1930 in addition to Gor'kii enterprise to develop riverboat yards and by 1935 was no longer a branch but leading organisation with filial in Kiev; became TsKB-50 in 1939		1930-9	C63 (vol. 4, p. 49, 274)
	LTPKB MMF		Leningrad, now St Petersburg	SHIP	MMF (1965)	noted as involved with survey ships		1965-80	C63 (vol. 5, p. 401)
	Morsk Art. TsKB			ARMS	NKV (1945), MV (1945)	naval artillery TsKB; also known as MATsKB	Rudyak	1945-55	D20 (18/9/45) D35 (vol. 1/98, p. 15)
	Morsudoproekt			SHIP	NKMF (1939)	created 4/39 for newly formed NKMF on base of Tekhbyuro NKVT		1939	C63 (vol. 4, p. 274)

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	PKB Glavrechflota Ukrainy		Kiev?	SHIP	MRF (1982)	riverboats		1982	C63 (vol. 5, p. 489)
	Primorskoe TsKB			SHIP	MSP (1970)	noted as developing ELINT vessels		1970	C63 (vol. 5, p. 393)
	Rechsudoproekt		Gor'kii, now Nizhnii Novgorod	SHIP	VSNKh (1930)	originally department of TsBMS in Gor'kii which became independent 1930; developed riverboat yards with a branch in Leningrad; became TsKB-51 in 1939		1927-39	C63 (vol. 4, pp. 49, 274)
	Sudoproekt or TsKB Sudoproekt		Leningrad, now St Petersburg	SHIP	VSNKh (1925)	created 9/25 as TsB morskogo sudostroeniya (TsBMS); 1928 became Sudoproekt and 1936 Leningradskii proektnyi institut and then TsKB-32; evacuated in 1941 first to Nikolaevsk; merged with TsKB-50 in 9/41 but moved to Kazan' as TsKB-32;		1925-41	C63 (vol. 4, p. 49) C32 (pp. 24, 27)
	Tekhbyuro			SHIP	NKVT (1938)	Tekhbyuro of NKVT; in 1939 it was split up into Morsudoproekt, NKMF and TsTKB, NKRF		1938-9	C63 (vol. 4, p. 274)
	TsAKB or TsArt.KB or TsKAB		Kaliningrad	ARMS	NKV (1942), MV (1945)	artillery TsKB formed 1942 Avlatsiya i Vremya said moved to Kaliningrad (Moscow) on site of evacuated z-d 8 in 1942; Chernok states moved to Kaliningrad 1945 becoming TsNIartilleriiskogo vooruzheniya (TsNIAV)	Grabin 1942-5	1941-5	D11 (N5/98, p. 17) D39 (15/8/44) D25 (17/6/95) D19 (N5/93, p. 110) C9 (vol. 2, pp. 268-9) G25
	TsBMS		Leningrad, now St Petersburg	SHIP	VSNKh (1925)	created 9/25 as TsB morskogo sudostroeniya (TsBMS); 1928 became TsKB Sudoproekt and 1936 Leningrad proektnyi institut and then TsKB-32; evacuated in 1941 first to Nikolaevsk; merged with TsKB-50 in 9/41but moved to Kazan' as TsKB-32;	Maslov 1925-	1925-8	C63 (vol. 4, p. 49) C32 (pp. 24, 27)
	TsB NSEB		Moscow	ELEC		Ts.Byuro normalizatsii i standartizatsii elektrovakuumnykh priborov; thermionic valves		1958-9	A7
	TsB NTI		Moscow	OTHER		Ts.Byuro nauchno-tekhnicheskoi informatsii		1958-9	A7
	Tsentr. Avto-Traktorny byuro pri GVPU		Moscow	ARMOUR	VSNKh (1930)	tanks and tractors		1930	A2
	Tsentr. Ispyt. Laboratoriya Vokhimitrest		Moscow	MUNS	VSNKh (1930)	smokeless and slow-burning gunpowder		1930	A2
	Tsentr'al'naya Akkumulatormaya Laboratoriya			OTHER	NKOP (1936)	central laboratories for the Accumulator Trust		1936	A4
	Tsentr'al'naya laboratoriya artillerii			ARMS	NKOP (1936)	Spelsmashtrest		1936	A4
	Tsentr'al'noe NI laboratoriya no. 2			OTHER	NKOP (1936)	Glavorgkhimprom		1936	A4
	TsKB			MUNS	NKOP (1936)	GUP barrels and explosives enterprise		1936	A4
	TsKB		Moscow (Khodynka)	AERO	VSNKh (1923)	aircraft TsKB formed 1923 in GAZ-3 (z-d 23) as part of TsAGI with 2 sections OSS (landplanes) and OMOS (seaplanes); the organisation was renamed TsKB, Aviatrest, in 5/26 with OPO-1 (ex-OSS) at z-d 1 and OPO-3 (ex-OMOS) at z-d 23	OSS, Polikarpov; OMOS Grigorovich 1925-9 then Richard	1923-6	C8
	TsKB		Moscow (Khodynka)	AERO	VSNKh (1926)	TsKB reorganised outside TsAGI 5/26 now TsKB Aviatrest with 4 sections: OPO-1, landplanes at z-d 1 until 1927 then at z-d 22; OPO-2 aeroengines at z-d 24 until re-formed into TsIAM 1931; OPO-3 seaplanes at z-d 23 until 1927 then at z-d 22;	OPO-1 Polikarpov, OPO-2 Shvetsov	1926-30	C8 (vol. 4, pp. 415-6) E2
						OPO-4 also seaplanes formed from 'Group R' which was for foreign designers under Richard; OPOs-3 and 4 merged 1929 to become OKB-MOS	OPO-3 Grigorovich OPO-4 Richard		

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	TsKB		Moscow (Khodynka)	AERO	VSNKh (1930)	formed at z-d 39 2/30 now TsKB VAO: aircraft prototypes; absorbed opytnyi z-d 25 in 9/30 and design sections of z-dy 22 & 28 as well as KB 'VT'; from 9/31 merged with AGOS to become TsKB TsAGI by then had 10 OPOs		1930-31	C8 (vol. 4, pp. 415-7) E2
	TsKB		Moscow (Khodynka)	AERO	VSNKh (1931)	TsKB, TsAGI formed 9/31 by merging AGOS and TsKB and relocated from z-d 39 to z-d 156 but in the major reorganization of 13/1/33 TsAGI lost control of TsKB which was now rebased at z-d 39 and re-designated TsKB, GUAP (TsKB-39) with Il'yushin in charge.		1931-3	C8 D11 (N5/98) E2
	TsKB		Moscow (Khodynka)	AERO	NKTP (1933)	TsAGI, GUAP formed at z-d 39 2/33 also called TsKB-39; aircraft prototypes; several brigades including no.1 Kocherigin, no.2 Polikarpov (became an OKB 9/33 and transferred to z-d 21 in 1936), no.3 Chizhevsky (BOK from 1934), no.4 Mal'tsev; no.5 Beriev	Il'yushin 1933-5	1933-5	C8 (vol. 1, pp. 418, 421-2), E2
						no.6 Kreison; from 1934 there was a dispersal of aviation design brigades to form design bureaus at factories and TsKB, GUAP became Il'yushin OKB z-da 39 in late 1935			
	TsKB 'Aisberg'		Leningrad, now St Petersburg	SHIP	MSP (1989)	current name of the St P. TsKB-15 on Vasilevsky Island; produced P1886 submarine tenders		1995	H1 (vol. 3)
	TsKB 'Almaz'		Moscow	AERO	MRT (1967)	KB-1 was renamed TsKB(MKB) 'Strela' in 1950 and in 1967 this became TsKB 'Almaz' of MRP for anti-aircraft and - missile defence complexes; not to be confused with the TsMKB 'Almaz' of AO SF 'Almaz', MSP	Chisov 1954-?, Rapletin ?- 1967, Bunkin 1967-	1967-98	D26 (N11/93) D29 (N9-10/95, p. 36) D4 (vol. 2, p. 20) G1
	TsKB 'Arsenal'		Kiev	AERO	MAP? (1954), MAP? (1965)	formed 1954; optical and electro-optical devices for air- and spacecraft	Busanov dep.cd	1998	H9 (p. 34)
	TsKB AtlantNIRO			SHIP	MRKh (1968)	experimental KB noted as involved in design of mid-weight trawler catamarans		1968	C63 (vol. 5, p. 465)
	TsKB 'Balt sudoproekt'		Leningrad, now St Petersburg	SHIP	MSP (1966)	former TsKB-32 renamed 1966 and now has the full name St P. TsKB 'Balt sudoproekt'; reference to this TsKB being incorporated in the late 1990s into TsNII im. Ak. Krylova		1966-98	D29 (N9-10/98) D45 (N7/95, pp. 3-6, N11-2/96, p. 88) C83 (p. xvi) C32 (pp. 24, 27) C63 (vol. 5, p. 413)
	TsKB 'Izumrud'		Kherson	SHIP		1965-7 reference to development of floating docks for VMF		1965-7	C63 (vol. 5, pp. 213, 268)
	TsKB 'Monolit'			SHIP	MSP (1965)	noted as developing survey ships		1965-80	C63 (vol. 5, p. 401)
	TsKB 'Morsudproekt'			SHIP	NKSP (c.1943)	wartime reference to this TsKB designing tugs		c.1943	C63 (vol. 5, p. 102)
	TsKB 'Chernomors rels'			SHIP	MSP (1970)	noted as developing ELINT vessels		1970	C63 (vol. 5, pp. 393, 413)
	TsKB 'Chernomorsudproekt'		Nikolaev	SHIP	MSP (1956), MSP (1965)	dry cargo ships; created as TsKB-21 in 1956 from part of TsKB Balt sudoproekt now Nikolaev TsKB 'Chernomorsudproekt'		1956-96	A7 D45 (N10/96, p. 90)
	TsKB 'Geofizika'		Moscow	OTHER	MOP (1965)	electro-optical instruments and also guidance systems for spacecraft; later NPO 'Geofizika'	Khrustalev	1998	G1
	TsKB 'Glavlesmasha'			SHIP		small shipbuilding KB to cater for minority interests, not naval, river or fishing vessels		1930s	C63 (vol. 4, pp. 50, 428)
	TsKB GMP			OTHER		TsKB of Hydrometeorological Instrument Engineering		c.1985	G1
	TsKB KB-4			ARMS	MV (1956)	formed 1956 at z-d 393 for new optical-mechanical equipment eg aerial photography; became KB-10 in 1962 when expanded		1956-62	G1 H5
	TsKB 'Koral'			SHIP	MSP? (1970s)	transports		1970s	C63 (vol. 5, p. 402)
	TsKB 'Lazurit'		Gor'kii, now Nizhny Novgorod	SHIP	MSP (1954), MSP (1965)	submarines; originally KB of z-d 112 but created TsKB-112 in 1953 and SKB 'Sudoproekt' in 1966; became TsKB 'Lazurit' in 1974	Vorobev	1974-97	A7 D29 (N7-8/94, p. 19) D32 (N5/97, p. 59) C83 (p. xvi) D62 (N11/91, pp. 28-32) C63 (vol. 5, p. 285)
	TsKB 'Leninskaya kuznitsa'		Kiev	SHIP	MSP (1966)	former TsKB-302; noted in 1966-9 as developing ELINT ships		1966-9	C63 (vol. 5, p. 395)
	TsKB 'Luch'		Moscow	ELEC	MOP (1965)	laser development; later became 'Astrofiziki' NPO	ND Ustinov	c.1965-98	D35 (vol. 4/98, p. 30) G1

1. No.	2. Name	3. Subsidiary units	4. Location	5. Branch	6. Ministry	7. Other details	8. Designer	9. Date	10. Source
	TsKBMB (also called TsKBEM)		Kaliningrad, now Korolev	AERO	MV (1946), MOBM (1966)	opened 1946 as dept.3 of SKB-88, NII-88, till separated 8/56 as OKB-1, NII-88; strategic and space missiles; OKB of Korolev; from 1966 TsKB eksperimental'nogo mashinostroeniya; now Raketno-Kosmicheskaya Korporatsiya 'Energia' im. Koroleva	Korolev 1946-66, Mishin 1966-69, Glushko -89, Semenov 1989-	1946-95	D1 (N5-6/96, pp. 39-40, 102-3) D26 (N9/93 and N11/93) D39 (-5, 30/8-6/9/96) D40 (22/9/92, 1/4/97) H1 (vol. 6)
	TsKBMB filial-1		Fili	AERO	MOBM (1966)	former filial no.1 of OKB-52 renamed 1966 transferred to Energia NPO in 1976 later becoming Salyut KB which in 1994 became part of Khronichev GKNPTs		1966-94	G1
	TsKBMB filial-2		Moscow	AERO	MOBM (1966)	former filial 2 OKB-52 renamed in 1965-6; from 18/12/91 became GNIP OKB 'Vypel'	Baryshev, Dragun	1965-95	H1 (vol. 6)
	TsKBMB filial-3		Kuibyshev, now Samara	AERO	MOBM (1967)	filial no.3 OKB-1 became Kuibyshev filial of TsKBEM in 1967 and renamed TsSKB in 1974		1967-74	G1
	TsKB 'Meridian'			SHIP		factory originated 1883 as electromechanical workshop; now makes marine equipment and from 1958 command management and other systems	Kopanev dir. 1998	1958-98	D29 (N3-4/98, p. 94)
	TsKB Minrechflot a		Gor'kii, now Nizhnii Novgorod	SHIP	MRF (1962)	1962 reference to designing passenger carrying catamarans for Riverfleet and again in 1973 but referred to this time as Gor'kovskogo TsKB	Shol'nikov	1962	C63 (vol. 5, p. 252, 490)
	TsKB (MKB) 'Strela'		Moscow	SHIP	MV (1953), MRT (1967)	KB-1 was renamed TsKB(MKB) 'Strela' in c.1953 (also referred to as SKB 'Strela') and in 1967 this became TsKB 'Almaz' of MRP for anti-aircraft and missile defence complexes; not to be confused with AO SF 'Almaz' of MSP		1953-95	D26 (N11/93) D29 (N9-10/95, p. 36) D4 (vol. 2, p. 20)
	TsKBMT 'Rubin'		Leningrad, now St Petersburg	SHIP	NKOP (1939), NKSP (1940), MSP (1945), MSP (1965)	former TsKB-18 transferred from NKOP to NKSP in 1939; the only prewar submarines design bureau; linked with z. 196; evacuated to Gor'kii 1941; post war concentrated on missile carrying nuclear powered submarines; now TsKB morskoi tekhniki 'Rubin'	Puslyntsev, Kaverin, Deribin, Spassky 1974-	1939-95	A7 D29 (N1-2/95, p. 46, N11/95, p. 121, N11-2/98) D45 (N5-6/94, p. 59) C83 (p. xvi) C32 (p. 24, 27)
	TsKB 'Neptun'		Moscow	SHIP	MSP (1976)	air cushion vehicles since c.1976	Sokolov	1976-96	D29 (N3-4/96, p. 41)
	TsKBPK				NKSP (1940)	TsKB po proektirovaniyu korablei I sudov 1940 reference		1940	C63 (vol. 4, p. 276)
	TsKB Minrybkhhoz		Kaliningrad	SHIP	MRKh (1968)	noted as developing mid-weight trawler catamarans		1968	C63 (vol. 5, p. 405)
	TsKB 'Morpromsud'			SHIP	MMF (1970)	cargoships		1970s	C63 (v5, p. 460)
	TsKB MS		Taganrog	AERO	VSNKh (1934)	source C43 suggests that in 10/34 TsKB brigada 6 was renamed TsKB MS other sources suggest OKB MOS (cf)		1934	C43
	TsKB 'Proress'			SHIP	MMF (1970)	cargoships; not to be confused with TsSKB 'Progress'	Rybalko	1970s	C63 (vol. 5, p. 463)
	TsKB 'Redan'		Leningrad, now St Petersburg	SHIP	MSP (1989)	formed 1898 as St P.Motor Boat Building Yard; later Zolotarev Verf' and TsKB 'Redan'; now Redan JSC		1898-1998	D29 (N7-8/98, pp. 86-7)
	TsKB RM		Moscow	ELEC	MRT? (1989)	TsKB for special radio materials	Sidorov	1998	D29 (N11-12/96, pp. 78-9)
	Ts KB Rybsudoproekt			SHIP	VOR (1936)	TsKB for fishing fleet formed in V.Ob'edineniya Rybsudstroj c. 1936		1936	C63 (vol. 4, pp. 49-50)
	TsKB 'Svyaz'		Moscow	ELEC	MS (1989)	current name for the Ts KB for communications		1995	H1 (vol. 4, pp. 462-3)
	TsKB 'Titani'		Stalingrad, now Volgograd		MOP (1989)	current name of the Stalingrad (later Volgograd) TsKB; self propelled coastal and other artillery and missile systems		1995	H1 (vol. 3, pp. 569-70))
	TsKB 'Transmash'		Sverdlovsk, now Ekaterinburg	ARMOUR	MOP (1965)	formed 1962 (under this name?) for armoured vehicles and self-propelled artillery chassis when a large design unit was transferred from Uralmashzavod; abbreviated to TsKBTM cf.!	Tomashov	1962-94	D29 (N9-10/94, pp. 112-3) C74 (p. 4)
	TsKB 'Vint'		Moscow	SHIP	MSP (1946), MSP (1965)	created 1946 as TsKB-20 to design patrol boats but from 1955 specialised in ships' propellers and other propulsion systems; now Moscow TsKB 'Vint'		1946-96	A7 D45 (N11-12/96, p. 3)
	TsKB 'Volgobaltsudoproekt'			SHIP	MMF (1968)	transports and cargoships		1968	C63 (vol. 5, p. 415)
	TsKB 'Vostok'		Leningrad, now St Petersburg	SHIP	MSP (1965)	fishing vessels and in 1980s ELINT ships; originally TsKB-14 which was created from part of TsKB Baltsudoproekt in 1955; now TsKB 'Vostok'	Sytov	1955-96	A7 D45 (N10/96, p. 90) C63 (vol. 5, p. 394)

1. No.	2. Name	3. Subsidiary units	4. Location	5. Branch	6. Ministry	7. Other details	8. Designer	9. Date	10. Source
	TsKB 'Vypel'		Gor'kii, now Nizhnii Novgorod	SHIP	MSP (1989)	current name of the Nizhnii Novgorod TsKB-51; produced P1799 degaussing ships		1995	H1 (vol. 3) C83 (p. xvi)
1	TsKBS		Leningrad, now St Petersburg	SHIP	NKOP (1936)	submarines: formed early 1931 out of BSPS of "Severnaya sudostroitel'naya ver'"; 1939: in TsKBS the S stands for "Spetsial'nogo sudostroeniya"; became first TsKB spetsudostroeniya and then TsKB-17		1931-6	A4 C67 D46 (N7/99, p. 3) C63 (vol. 4, pp. 49, 187, 273)
2	TsKBS		Leningrad, now St Petersburg	SHIP	NKOP (1936)	surface vessels: formed 1931 at Baltiiskii z-d from its Tekh. Byuro No.4; on transferring to NKSP in 1939 was redesignated TsKB-18		1931-9	A4 C63 (vol. 4, pp. 49, 273)
3	TsKBS		Leningrad, now St Petersburg	SHIP	NKOP (1936)	torpedoes		1936	A4
4	TsKBS		Leningrad, now St Petersburg	SHIP	NKSP (1943)	KB-4 Baltiiskii z-d became TsKBS-4 in 9/43; S for Standartizatsii	Chiliki	1943	C32 (pp. 19, 24) D46 (N7/98, p. 15) C63 (vol. 5, p. 101)
	TsKB-SPK im. RE Alekseeva		Gor'kii, now Nizhnii Novgorod	SHIP		ship-building, in particular hydrofoils and ekranoplans: full name is AO 'TsKB po sudam na podvodnykh krylyakh im. RE Alekseeva'; linked with opytnyi z-d 'Volga'	AE Alekseev, Sokolov, Vassilevsky	1963-95	D26 (N7/98, p. 2) D29 (N3/95, N11-2/95, p. 18) D35 (vol. 1/97, pp. 30-4)
	TsKB-SPK filial-1		Chkalovsk (Gor'kii obl.)	SHIP		on the Gor'kii Sea and river Troitsa; site used for testing ekranoplans		1963-74	D35 (vol. 1/97, pp. 32-3)
	TsKB-SPK filial-2		Chechen' Island (Caspian Sea)	SHIP		on the Caspian Sea; site used for testing ekranoplans		1963-74	D35 (vol. 1/97, pp. 32-3)
75	TsKBSV			ARMS		1935 and 1938 reference; same organisation as TsKBSV?	Deglyarev, Volkov	1935-8	G13
	TsKBSV			ARMOUR	NKOP (1936)	TsKB strelkovogo vooruzheniya of Spetsmashrest		1936	A4
	TsKBTM					TsKB lyazhelogo mashinostroeniya former SKB z-da Pod'emnik: not to be confused with TsKB Transmash which also uses this acronym		1960s	C75 (p. 4)
	TsKB 'Tyaz. Mash.'		Sverdlovsk ?, now Ekaterinburg	ARMOUR	MOP (1970)	reference to this organization designing medium tanks 1970-1		1970-1	C19 (pp. 348-9)
	TsKIB SOO		Tula	ARMS	MOP (1989)	Ts. konstruktorskoye byuro sportivnogo i okhlotnich'ego oruzhiya; small arms and sporting guns; merged with KBP 27/4/92	Knebelman, Bakalov	1963-92	D29 (N11-12/97, p. 98, N5-6/96) G13
	TsMKB 'Almaz'		Leningrad, now St Petersburg	SHIP	MSP (1965)	former TsKB-5 based at z-d 5; missile ships and torpedo boats and from 1998 also mine counter-measures ships; merged with TsKB-19 c.1973 and now has the full name of the Almaz Central Naval Design Bureau-AO SF Almaz	Yukhnin, Arsenev, Bunkinyam, Shlyakhtenko c.1997	1958-97	A7 D29 (N11/94, p. 74) D35 (vol. 3/97, p. 14) C83 (p. xvi)
	TsPB 'Volna'		Leningrad, now St Petersburg	SHIP	MSP (1948), MSP (1965)	torpedo carrying nuclear powered submarines: established 3/48 as TsKB-143; absorbed by TsKB-16 in 1954-5 and became TsPB 'Volna' in 1966; together with SKB-143 joined St P. morskoe byuro mashinostroeniya 'Malakhil' in 1974	Isanin 1950s, Kiselev c.1957, Shchik c.1959, Kuteinikov c.1998	1966-98	A7 D29 (N5-6/98, pp. 72-3, N9-10/98) D45 (N2-3/94, p. 39, N5-6/94, p. 65, N5-6/95, p. 62) C9 (vol. 1, p. 365) D35 (vol. 2/97, p. 6) C83 (p. xvii) C63 (vol. 5, p. 285)
1	TsPKB			SHIP	MMF (1963)	reference to design work on tankers 1963-5		1963-5	C63 (vol. 5, p. 207)
2	TsPKB			SHIP	MMF (1963)	reference to design work on landing craft 1963-5		1963-5	C63 (vol. 5, p. 202)
	TsPTKB VRPO 'Zapryba'			SHIP		cargoships		1970s	C63 (vol. 5, p. 464)
	TsPTKB VRPO 'Zapryba' filial		Tallin	SHIP		cargoships		1970s	C63 (vol. 5, p. 464)
	TsSKB 'Progress'		Kuibyshev, now Samara	AERO	MOBM (1974)	created 1974 from filial no.3 of OKB-1 to design ICBMs for z-d 1 first as TsSKB and later as TsSKB 'Progress State Research and Production Rocket Space Centre' based at z-d 1; from 4/96 merged with former z-d 1 to become Samara 'Progress' GNPRTs	Anshakov, Petrenko, Kozlov	1974-98	D1 (N1-2/97, pp. 24-6) G1
127	TsTB		Kiev	SHIP		shipbuilding technology; based at z-d 127		1958-9	A7
	TsTKB		Leningrad, now St Petersburg	SHIP	NKRF (1939)	Tsentralnoye tekhnologicheskoye KB formed 4/39 for newly created NKRF; also 1943-53 references; filial formed in 1953 at Gor'kii, Kiev and Novosibirsk also at Astrakhan a little later; after formation of MRF it was called TsTKB Minrechflota		1939-54	C63 (vol. 4, p. 274, 510, vol. 5, p. 22, 482-3)